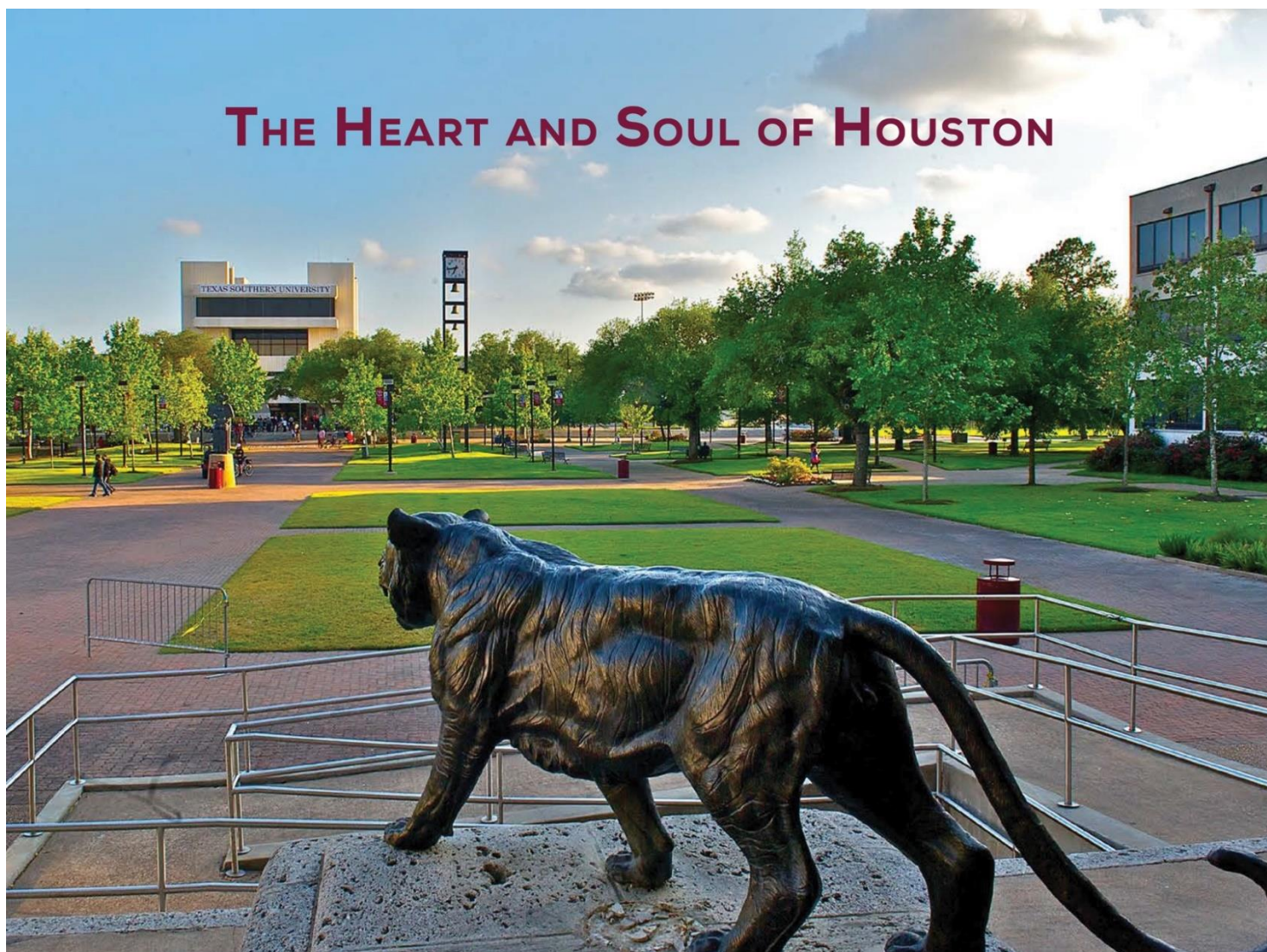


# THE HEART AND SOUL OF HOUSTON



## COURSE CATALOG

2019 - 2020

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Undergraduate Catalog 2019 - 2020

TEXAS SOUTHERN UNIVERSITY



TEXAS SOUTHERN UNIVERSITY

Texas Southern University | 3100 Cleburne Street | Houston, Texas 77004 | [www.tsu.edu](http://www.tsu.edu)



# **TEXAS SOUTHERN UNIVERSITY**

3100 Cleburne Street

Houston, TX 77004

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## PROVISIONS OF THIS CATALOG

The provisions of this catalog do not constitute a contract, expressed or implied, between any applicant, student, or faculty member and Texas Southern University. Texas Southern University reserves the right to withdraw courses at any time and to change fees, calendars, curricula, graduation procedures, or other requirements affecting students. Changes will become effective whenever the proper authorities at the University so determine and will apply to both prospective students and those currently enrolled. Provisions set forth in publications of individual schools and colleges shall supersede those herein.

Although every effort is made to assure that information is accurate, Texas Southern University does not assume responsibility for any misrepresentation that might arise through error in the preparation of this or any other of its catalogs or through failure to give notice of changes in its requirements, policies, tuition and fees, course offerings and other matters affecting students or applicants. To be assured of accuracy of information, students must regularly consult the University's website, individual college requirements, up to date publications and their academic advisors.

## GUIDE TO COURSE OFFERINGS

PREFIX	ACADEMIC DISCIPLINE	PREFIX	ACADEMIC DISCIPLINE
ACCT	Accounting	HSCS	Human Servs & Consumer Sci
AFLN	African Language	HSEH	Health Science - Envrn. Hlth.
AFS	African Studies	HSHA	Health Science - Health Admin.
AFSC	Air Force Science	HSHI	Health Science and Health Info
AJ	Admin of Justice	HSRT	Health Science - Resp Therp.
ART	Art	INS	Insurance
AVST	Aviation Science & Technology	ITEC	Industrial Technology
BADM	Business Administration	JOUR	Journalism
BIOL	Biology	KIN	Kinesiology
CFDV	Child & Family Development	MATH	Mathematics
CHEM	Chemistry	MFG	Manufacturing
CHNS	Chinese	MGMT	Management
CIVT	Civil Engineering Tech	MGSC	Management Science
CLSC	Clinical Laboratory Sciences	MIS	Management Information Systems
CM	Communication	MKTG	Marketing
CMET	Computer Engineering Tech	MSCI	Military Science
COE	Cooperative Education	MTMS	Maritime Trans Mgmt Security
CONS	Construction	MUSA	Applied Music
COUN	Counseling	MUSI	Music
CS	Computer Science	NAVA	Naval Sciences
CT	Clothing / Textiles	PA	Public Affairs
DRAM	Drama	PAD	Public Administration
DRFT	Drafting / Design Technology	PADM	Pharmacy Administration
ECON	Economics	PAS	Pharmacology Applied Science
EDAS	Education Admin. & Supervision	PE	Physical Education
EDCI	Education Curriculum & Instr.	PHAR	Pharmacy
EDFD	Education Foundations	PHCH	Pharmaceutical Chemistry
EDHI	Higher Educations	PHIL	Philosophy
ELET	Electronics Engr Technology	PHS	Pharmaceutical Sciences
EMGT	Emergency management	PHYS	Physics
ENG	English	POLS	Political Science
ENGT	Engineering Technology	PSY	Psychology
ENTP	Entrepreneurship	RDG	Reading Education
ERM	Entertainment Record Indus Mgmt	READ	Reading-No Degree-Development
FCS	Family Consumer Sciences	REC	Recreation
FIN	Finance	RTF	Radio/TV/Film
FN	Foods & Nutrition	SC	Speech Communication
FORS	Forensic Science	SOC	Sociology
FR	French	SOCW	Social Work
GEOG	Geography	SP	Speech
GEOL	Geology	SPAN	Spanish
HED	Health Education	SPED	Special Education
HIST	History	SPMT	Sports Management
HMSC	Homeland Security	THEA	Theatre
HSCR	Health Science - Core		



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## SUMMARY OF UNDERGRADUATE DEGREES OFFERED

COLLEGE OR SCHOOL	DEPARTMENT	UNDERGRADUATE DEGREES OFFERED	
Jesse H. Jones School of Business	Accounting	Bachelor of Business Administration (B.B.A.) in Accounting	
	Accounting and Finance	Bachelor of Business Administration (B.B.A.) in Finance	
	Business Administration		Bachelor of Business Administration (B.B.A.) in Management
			Bachelor of Business Administration (B.B.A.) in Management Information Systems
			Bachelor of Business Administration (B.B.A.) in Marketing
School of Communication	Communication	Bachelor of Arts (B.A.) in Entertainment and the Recording Industry	
		Bachelor of Arts (B.A.) in Speech Communication	
	Journalism	Bachelor of Arts (B.A.) in Journalism	
	Radio, TV and Film	Bachelor of Arts (B.A.) in Radio, TV and Film	
College of Education	Curriculum and Instruction	Bachelor of Science (B.S.) in Interdisciplinary Studies	
	Health, Kinesiology and Sport Studies	Bachelor of Science (B.S.) in Health Studies	
		Bachelor of Science (B.S.) in Kinesiology	
		Bachelor of Science (B.S.) in Athletic Training	
College of Liberal Arts and Behavioral Sciences	English	Bachelor of Arts (B.A.) in English	
	Foreign Languages	Bachelor of Arts (B.A.) in Spanish	
	History and Geography	Bachelor of Arts (B.A.) in General Studies	
		Bachelor of Arts (B.A.) in History	
	Human Services and Consumer Sciences	Bachelor of Science (B.S.) in Human Services and Consumer Sciences - Dietetics	
		Bachelor of Science (B.S.) in Human Services and Consumer Sciences – Child and Family Development	
		Bachelor of Science (B.S.) in Human Services and Consumer Sciences – Family and Consumer Science	
		Bachelor of Science (B.S.) in Human Services and Consumer Sciences – Food and Nutrition	
	Music	Bachelor of Arts (B.A.) in Music	
	Psychology	Bachelor of Arts (B.A.) in Psychology	
	Social Work	Bachelor of Arts (B.A.) in Social Work	
	Sociology	Bachelor of Arts (B.A.) in Sociology	
	Visual and Performing Arts	Bachelor of Arts (B.A.) in Art	
Bachelor of Arts (B.A.) in Theatre			
Barbara Jordan- Mickey Leland School of Public Affairs	Political Science	Bachelor of Arts (B.A.) in Political Science	
		Bachelor of Science (B.S.) in Public Affairs	
		Bachelor of Science (B.S.) in Emergency Management and Homeland Security	
	Administration of Justice	Bachelor of Science (B.S.) in Administration of Justice	
College of Pharmacy and Health Sciences	Pharmacy Administration and Administrative Health Sciences	Bachelor of Science (B.S.) in Health Administration	
		Bachelor of Science (B.S.) in Health Information Management	
	Pharmaceutical and Environmental Health Sciences	Bachelor of Science (B.S.) in Environmental Health	
	Pharmacy Practice and Clinical Health Sciences	Bachelor of Science (B.S.) in Respiratory Therapy	
Bachelor of Science (B.S.) in Clinical Laboratory Science			

COLLEGE OR SCHOOL	DEPARTMENT	UNDERGRADUATE DEGREES OFFERED
College of Science, Engineering and Technology	Aviation Science and Technology	Bachelor of Science (B.S.) in Aviation Science Management
		Bachelor of Science (B.S.) in Aviation Science Management (Professional Pilot Concentration)
	Biology	Bachelor of Science (B.S.) in Biology
	Chemistry	Bachelor of Science (B.S.) in Chemistry
	Computer Science	Bachelor of Science (B.S.) in Computer Science
	Engineering	Bachelor of Science (B.S.) in Civil Engineering
		Bachelor of Science (B.S.) in Electrical and Computer
		Bachelor of Science (B.S.) in Civil Engineering Technology
		Bachelor of Science (B.S.) in Computer Engineering Technology
		Bachelor of Science (B.S.) in Electronics Engineering Technology
	Industrial Technology	Bachelor of Science (B.S.) in Industrial Technology (Construction Technology)
		Bachelor of Science (B.S.) in Industrial Technology (Design Technology)
	Mathematics	Bachelor of Science (B.S.) in Mathematics
	Physics	Bachelor of Science (B.S.) in Physics (Engineering-Physics Concentration)
	Texas Physics Consortium	Bachelor of Science (B.S.) in Physics (Premedical-Physics Concentration)
Transportation Studies	Bachelor of Science (B.S.) in Maritime Transportation Management and Security	

**NOTE: Many of the degrees offered have multiple tracks leading toward their completion. Consult contents of this bulletin related to the various departments and the respective degrees offered for detailed information on these tracks. Texas Southern University does not offer an undergraduate degree in nursing; however, students interested in pursuing this degree elsewhere may earn lower level credits needed for this degree at the University. The Department of Biology administers a pre-nursing program, and students choosing to pursue this course of study should consult that department's section of this bulletin for more information.**

## ABOUT THIS BULLETIN

The statements set forth in this bulletin are for informational purposes only and should not be construed as the basis of a contract between a student and Texas Southern University. Provisions set forth in publications of individual schools and colleges shall supersede those herein.

Although the provisions of this bulletin will ordinarily be applied as stated, Texas Southern University reserves the right to change any provision listed in this bulletin, including but not limited to academic requirements for graduation, without actual notice to individual students. However, every effort will be made to keep students advised of any such changes. Information concerning changes in policies, procedures, and requirements will be available in the Office of the University Registrar and the offices of the various academic advisors, the academic departments, and the major schools and colleges. **It is especially important that each student note that it is his or her responsibility to be aware of current graduation requirements for a particular degree program.**

This undergraduate bulletin contains information on academic and non-academic policies, procedures, and requirements with which each student must become familiar. Students should consult the Table of Contents for guidance. Provisions in this bulletin will not be valid after August 2020.



## ABOUT THE UNIVERSITY

### MISSION

Texas Southern University is a student-centered comprehensive doctoral university committed to ensuring equality, offering innovative programs that are responsive to its urban setting, and transforming diverse students into lifelong learners, engaged citizens, and creative leaders in their local, national, and global communities.

In order to achieve this mission, Texas Southern University provides:

- quality instruction in a culture of innovative teaching and learning;
- basic and applied research and scholarship that is responsive to community issues;
- opportunities for public service that benefit the community and the world.

### VISION

Texas Southern University will become one of the nation's preeminent comprehensive metropolitan universities. We will be recognized by the excellence of our programs, the quality of our instruction, our innovative research and creative activities, and our commitment to be a contributing partner to our community, state, nation, and world.

#### Core Values

- Urban Serving Institution
- Student-Centered Institution
- Excellence
- Fairness
- Collegiality and Collaboration
- Innovation
- Inclusiveness
- Leadership and Responsibility

### ORGANIZATION FOR INSTRUCTION

The University is organized for academic instruction as ten colleges and schools. The names of these instructional units appear below:

**The Jesse H. Jones School of Business**

**The College of Education**

**The Thurgood Marshall School of Law**

**The School of Communication**

**The College of Liberal Arts and Behavioral Sciences**

**The Barbara Jordan - Mickey Leland School of Public Affairs**

**The College of Pharmacy and Health Sciences**

**The College of Science, Engineering and Technology**

**The Graduate School**

**The Thomas F. Freeman Honors College**

### CAMPUSES

Texas Southern University is located in Houston, TX, the fourth largest city in the US and one of the fastest-growing and forward-moving cities in the world. Nestled upon a sprawling 150-acre campus, Texas Southern University is located in the heart of the city in Houston's historic Third Ward, giving its students and faculty easy access to the Museum District, neighboring educational institutions, the Texas Medical Center, City Hall, downtown Houston, and all of the city's major freeways.

## REGENTS OF ADMINISTRATION

### BOARD OF REGENTS

Glenn Lewis, Chairman	Fort Worth
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Kernard D. Jones, Student Regent	Houston

### OFFICE OF BOARD RELATIONS

Faith Ruiz	Executive Director
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### OFFICERS OF ADMINISTRATION

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Kendall T. Harris	Provost/Vice President for Academic Affairs
Hao Le	General Counsel
Raphael Moffett	Vice President for Student Services/Dean of Students
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Heidi Smith	Chief of Staff
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### OFFICERS OF ACADEMIC ADMINISTRATION

Rasoul Saneifard	Interim Associate Provost/Associate Vice President for Faculty Affairs
Chantell Link	Assistant Provost, Academics
Gregory Maddox	Dean of the Graduate School
Claudius Claiborne	Interim Dean, Jesse H. Jones School of Business
Rockell Brown-Burton	Interim Dean, School of Communication
Lillian Poats	Dean, College of Education
Gary Bledsoe	Acting Dean, Thurgood Marshall School of Law
Needha Boutte-Queen	Interim Dean, College of Liberal Arts & Behavioral Sciences
Theophilus Herrington	Interim Dean, Barbara Jordan-Mickey Leland School of Public Affairs
Shirlette Milton	Interim Dean, College of Pharmacy and Health Sciences
Azime Saydam	Interim Dean, College of Science, Engineering and Technology
Dianne Jemison-Pollard	Dean, Thomas F. Freeman Honors College

## **POLICIES AND ACCREDITATION**

### **NOTICE OF NONDISCRIMINATORY POLICIES**

Texas Southern University is in compliance with Title VII of the Civil Rights Act of 1964 and does not discriminate on the basis of race, creed, color, or national origin. It is also in compliance with the provisions of Title IX of the Educational Amendments of 1972 which prohibit discrimination on the basis of sex. Further, the University is in compliance with the Americans with Disabilities Act (ADA) of 1990 and Amendments Act (ADAAA) and with Section 504 of the Rehabilitation Act of 1973 as amended.

It is the policy of the University that sexual harassment as defined in the EEOC Guidelines will not be tolerated among members of the Texas Southern University community. Any complaint of sexual harassment should be reported immediately to the appropriate person designated by the Provost/Vice President for Academic Affairs and Vice President for Research.

### **NOTICE OF LICENSED AND CONCEALED WEAPONS ON CAMPUS POLICY**

In accordance with Texas law, the open carry of firearms on the campus of Texas Southern University is strictly prohibited. Pursuant to Section 411.203(b) of the Texas Governmental Code, commencing on August 1, 2016, a license holder may carry a concealed handgun on or about the University's campus, except in areas selected by the University as gun free zones. The prohibited areas are marked by signage in both English and Spanish, apprising all persons with the statutory notice that the specific location is a gun free zone.

University policy prohibits the possession, carrying, storing or use of firearms, ammunition, illegal knives, clubs, explosive devices or materials, fireworks of any design, "paintball" guns, BB or air pistols/rifles, and facsimile weapons by persons, other than law enforcement officers, not authorized under the state of Texas concealed handgun law. Persons found in violation of this policy will be removed from campus and may be subject to arrest and criminal prosecution. Students and employees will also be subject to disciplinary action, which may include expulsion and termination of employment.

## **UNIVERSITY COMMITMENT AND STUDENT RESPONSIBILITIES**

### **Student Responsibilities**

Texas Southern University provides a student-centered learning environment in which students are afforded opportunities to practice self-discipline, to assume responsibilities as maturing adults, and to enjoy certain freedoms. When students elect to enroll at the University, they also accept and agree to abide by the rules, regulations, and policies by which the University is governed. Inasmuch as enrollment is voluntary, acceptance is voluntary. On this basis, students cannot, without great personal liability to their continued association with the University, obstruct, hamper, disrupt, or otherwise interfere with the institution's attainment of its lawful mission. The institution, therefore, has both the right and the obligation to promulgate rules and regulations designed to promote attainment of its purpose.

## ACCREDITED PROGRAMS

Texas Southern University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award baccalaureate, masters, and doctoral degrees. Contact the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions concerning the accreditation of Texas Southern University.

In the College of Liberal Arts and Behavioral Sciences, the Social Work Program is accredited by the Council of Social Work Education, and the Dietetics Program is accredited by the American Dietetic Association.

The College of Education holds NCATE accreditation through the Council for Accreditation of Educator Preparation programs. It is also accredited by the Texas Education Agency, the Texas Workforce Commission, and the Texas Association of Colleges. It also holds membership in the Council for the Accreditation of Educator Preparation Programs and the Association of Colleges for Teacher Education.

The Jesse H. Jones School of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB International).

The College of Pharmacy and Health Sciences is accredited by the American Council of Pharmaceutical Education and is a member of the American Association of Colleges of Pharmacy.

In the Barbara Jordan-Mickey Leland School of Public Affairs, the Master of Public Administration program is accredited by the Network of Schools of Public Policy, Affairs and Administration (NASPAA) and holds membership in NASPAA; The Master's of Urban Planning and Environmental Policy program is accredited by the Planning Accreditation Board (PAB) and holds membership in the Association of Collegiate Schools of Planning (ACSP).

Four of the programs in the College of Science, Engineering and Technology hold special certification and/or accreditation: the chemistry program is certified by the American Chemical Society; the electronics engineering technology program is accredited by the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (ETAC of ABET); and the industrial technology and airway science management programs are accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).

The Thurgood Marshall School of Law is accredited by the American Bar Association and is a member of The Association of American Law Schools, and the American Association of Law Libraries.



## ADMISSION REQUIREMENTS, ENROLLMENT INFORMATION, AND ACADEMIC REGULATIONS

### Undergraduate Admissions Requirements

**Texas Southern University is an accredited higher education institution that provides equal educational opportunity.** Entering freshman applicants must have earned a minimum cumulative 2.5 GPA on a 4.0 scale in high school. All entering freshman applicants must submit either ACT or SAT scores. All admitted students must meet the admission requirements outlined below, with a minimum combined SAT critical reading/math test scores of 900 or an ACT composite test score of 17 for unconditional admission to the University.

**Candidates for undergraduate admission must identify the appropriate category below and follow the indicated steps:**

- **(I) Freshman Admission - Citizens of the United States with diplomas from accredited high schools, GED equivalents, or equivalent examinations from foreign countries that attest to the fact that they have attained the high school standard and who have never before enrolled for college credits must:**
  - A. Submit an application to Texas Southern University, Office of Undergraduate Admissions, 3100 Cleburne Street, Houston, Texas 77004-9987, or electronically at [www.applytexas.org](http://www.applytexas.org).
  - B. Submit the required non-refundable \$42 application fee or approved fee waiver.
  - C. Submit an official transcript from an accredited high school that (1) includes the date of graduation, (2) the student's grade point average and class ranking, and (3) for Texas high school graduates, indication of successful completion of Texas Assessment of Knowledge and Skills (TAKS). Effective for fall 2015, the TAKS examination will be replaced by the State of Texas Assessments of Academic Readiness (STAAR) examination.
  - D. Submit either ACT or SAT scores.
  - E. Home-schooled students and students who have earned a GED will be individually reviewed for admission and must meet the minimum 17 ACT composite score or 900 SAT score (critical reading and math sections). Texas residents must also submit the Texas Private High School Certification completed by the certifying home-school official for admission.
  - F. Students seeking dual credit(s) must request an official transcript be sent to the Office of Undergraduate Admissions from the institution where the dual credit(s) was earned, in addition to the official high school transcript.
  - G. Students seeking credit based on Advanced Placement (AP) scores or International Baccalaureate (IB) scores must request from the testing agency an official score report be sent to the Office of Undergraduate Admissions prior to the start of enrollment of the requested enrollment semester.
  - H. All freshmen applicants who do not meet the University's admission requirement may be individually reviewed by the University Admissions Committee. Applicants considered for individual review may be required to submit additional documents (e.g., essays, personal statements, interview) to gain admission to the University.
  
- **(II) Transfer Admission - Citizens of the United States who have attended another college or university prior to seeking admission to Texas Southern University must:**
  - A. Submit an application to Texas Southern University, Office of Undergraduate Admissions, 3100 Cleburne Street, Houston, Texas 77004-9987, or electronically at [www.applytexas.org](http://www.applytexas.org).
  - B. Submit the required non-refundable \$42 application fee or approved fee waiver.
  - C. Submit an official transcript from each college or university previously attended. Transcripts should be sent from the issuing institution(s); however, they may be hand-carried and delivered in an envelope bearing the unbroken seal of the issuing institution(s).
  - D. Submit placement test scores or evidence of test exemption eligibility.
  - E. All transfer applicants who do not meet the University's admission requirement may be individually reviewed by the University Admissions Committee. Applicants considered for individual review may be required to submit additional documents (e.g., high school transcript, ACT/SAT test scores, interview) to gain admission to the University.

- **(III) Permanent Residents Freshman Admission – Permanent residents of the United States who have diplomas from accredited high schools, GED equivalents, or equivalent examinations from foreign countries that attest to the fact that they have attained the high school standard and who have never previously enrolled for college credits must:**
  - A. Follow the same steps given above for citizens of the United States with diplomas from accredited high schools or GED equivalents.
  - B. In addition, students must provide proof of permanent resident status and complete **Documentation of Proof of Citizenship/Naturalization Form** from the Office of Undergraduate Admissions.
  - C. Submit all specifically needed documents to the Office of Undergraduate Admissions, Texas Southern University 3100 Cleburne Street, Houston, Texas 77004-9987.
- **(IV) Permanent Residents Transfer Admission - Permanent residents of the United States who wish to transfer from other accredited colleges and universities must:**
  - A. Follow the same steps given above for citizens of the United States.
  - B. In addition, student must provide proof of permanent resident status and complete **Documentation of Proof of Citizenship/Naturalization Form** from the Office of Undergraduate Admissions.
  - C. Evaluation of foreign transcripts. All foreign transcripts must be evaluated by one of the University’s approved evaluation Agencies and the evaluation be submitted to the Office of International Student Admissions.
- **(V) International Freshman Admission - Students who have diplomas from foreign high schools, GED equivalents, or equivalent examinations from foreign countries that attest to the fact that they have attained the high school standard and who have never previously enrolled for college credits must:**
  - A. Complete application online and submit all required documentation along with the required \$78 non-refundable application fee.
  - B. Send proof of graduation from high school either in conjunction with the application or separately to the Office of International Student Admissions.
  - C. Provide a certificate of finance/affidavit of support either in conjunction with the application or sent separately to the Office of International Student Admissions.
  - D. Provide official proof of completion of the TOEFL examination, if applicable, to the Office of International Student Admissions. Applicants must have an earned a minimum TOEFL score of 61, IELTS score of 5.0, or other approved language proficiency exam to qualify for admission.
  - E. Submit ACT or SAT college entrance exam scores to the Office of International Student Admissions.
  - F. Request that the current or previously attended language program, if applicable, submit SEVIS information to the Office of International Student Admissions.
- **(VI) International Transfer Admission - Students who wish to transfer from other accredited colleges or universities must:**
  - A. Complete application online and submit all required documentation along with the required \$78 non-refundable application fee.
  - B. Request that official transcripts from all colleges and universities attended be sent directly to the Office of International Student Affairs. All foreign transcripts must be evaluated by one of the University’s approved evaluation agencies and the evaluation be submitted to the Office of International Student Admissions.
  - C. Provide a certificate of finance/affidavit of support either in conjunction with the application or sent separately to the Office of International Student Admissions.
  - D. Provide official proof of completion of the TOEFL examination, if applicable, to the Office of International Student Admissions. Applicants must have an earned a minimum TOEFL score of 61, IELTS score of 5.0, or other approved language proficiency exam to qualify for admission.
  - E. Request that the current or previously attended college or university submit SEVIS information to the Office of

International Student Admissions.

**NOTE: The authenticity of transcripts is critical to the admissions process. It is the responsibility of all international students to have international transcripts translated by an approved accredited agency.**

- **(VII) Post Baccalaureate Admission – Students who have earned a bachelor’s degree from another college or university prior to seeking admission to Texas Southern University must:**

- A. Submit an application to Texas Southern University, Office of Undergraduate Admissions, 3100 Cleburne Street, Houston, Texas 77004-9987, or electronically at [www.applytexas.org](http://www.applytexas.org).
- B. Submit the required non-refundable application fee or approved fee waiver.
- C. Request an official transcript from each college or university previously attended. Transcripts should be sent from the issuing institution(s); however, they may be hand-carried and delivered in an envelope bearing the unbroken seal of the issuing institution(s). All foreign transcripts must be evaluated by one of the University’s approved evaluation agencies and the evaluation be submitted to the Office of International Student Admissions.
- D. International applicants must also request that the previous college or university submit SEVIS information and provide a certificate of finance/affidavit of support to the Office of International Student Admissions.

- **(VIII) Transient Admission - Students who wish to attend the University for a specific period of time without applying for regular admission must:**

- A. Submit an application to Texas Southern University, Office of Undergraduate Admissions, 3100 Cleburne Street, Houston, Texas 77004-9987, or electronically at [www.em.tsu.edu](http://www.em.tsu.edu).
- B. Submit the required non-refundable \$42 application fee.
- C. Request that an official transcript or letter of good standing from the college or university in attendance be sent to the Office of Undergraduate Admissions at the address above or by email at [admissions@tsu.edu](mailto:admissions@tsu.edu).
- D. International applicants must also request that the current college or university submit SEVIS information to the Office of International Student Admissions.
- E. Transient admission can only be granted for one academic semester. Requests for transient admission beyond one academic semester may be considered but the applicant must reapply for transient admission for the subsequent semester(s) and provide additional documentation from the college or university in attendance regarding their academic standing with the institution.

- **(IX) Readmission of Former Students - Students who have not attended the University for more than one year and now wish to return must:**

- A. Submit an application for readmission to Texas Southern University, Office of Undergraduate Admissions, 3100 Cleburne Street, Houston, Texas 77004-9987, or electronically at [www.tsu.edu/admissions](http://www.tsu.edu/admissions).
- B. Identify the category above that best fits your circumstances and complete the remaining listed steps.
- C. Students on academic probation or suspension must request permission from their academic dean’s office to gain readmission to the University.
- D. International applicants must also request that the previous college or university submit SEVIS information and provide a certificate of finance/affidavit of support to the Office of International Student Admissions.

**In admitting first-time freshmen, the University abides by the uniform admission policy as defined in accordance with Texas Education Code Chapter 51, Subchapter S. Students’ high school grade point average, class ranking, and ACT/SAT test scores shall all factor into consideration for admission.**

**Students who are admitted by the University, but fail to enroll for a given semester, may request that their application be deferred and updated for a future semester. The application and associated fee will be honored for one (1) year from the original semester in which the application was made.**

Effective October 1, 2013, all students under the age of 22 attending the university for the first time or returning to the university following a break in enrollment of at least one fall or spring semester, will be required to have the bacterial meningitis vaccination or an approved exemption prior to attending classes. To meet the immunization requirement, the student must provide proof of vaccination of bacterial meningitis during the five year period preceding and at least 10 days prior to the first day of classes. Students are also encouraged to consult with a physician about the need for the immunization against bacterial meningitis to prevent the disease.

## ENROLLMENT INFORMATION/ADVISING

Academic advising is an integral and necessary part of the higher education process. Faculty advisors in the academic departments have the responsibility of advising those students who have met all admission requirements and have declared majors based on (1) the most current information available to them about departmental, college, and university requirements, and (2) students' interests, needs, and abilities. All students who have not declared majors are advised in the College of Liberal Arts & Behavioral Sciences on the third floor of the Public Affairs Building. Undecided students are those who are registered in Academic Foundation courses and have not decided on their majors. In general, students are not encouraged to declare majors until their individual TSI (Texas Success Initiative) or equivalent responsibility has been met. **Students who receive financial assistance are STRONGLY CAUTIONED that they must each have a declared major by the time that they have successfully completed 45 semester credit hours in order to remain eligible for this assistance.**

Specific responsibilities of advisors include

Helping students to define and develop realistic goals.

- Matching students to available resources.
- Assisting students to plan programs of study consistent with their abilities.
- Helping students monitor their progress toward graduation

**Although academic advisors will assist students in every way possible, students are expected to accept full responsibility for their academic programs of study, including the satisfactory completion of all requirements.**

### Registration Policies and Procedures

All students must register prior to the first class day of each semester or term. Each student is assigned a faculty advisor, who assists in planning a program of study. Students are registered for and entitled to attend classes only when they have completed the prescribed procedures, including the payment of fees, which is a part of registration. **A student is not registered with the University, and therefore not entitled to University privileges, until fees are paid. All unpaid course selections will be purged from the database of student records after the twentieth class day during a regular semester and after the fourth class day during a summer term.**

**Students planning to return to the campus after an absence of one year or after earning credits at another institution are required to notify the Admissions Office and have transcripts mailed from the schools attended.**

**Registration is not complete, and students with unpaid fees are not entitled to University privileges. Students are required to have sufficient funds to cover all required tuition, fees, and deposits.**

### Auditing

With the consent of both the chair of the administering department and the course instructor, a student may audit a course. Auditors shall be registered, shall receive no credit for audited courses, and shall pay the same fees as a student enrolled for credit.



## **Credit by Examination**

A student may receive credit by examination for courses listed in this bulletin by showing proficiency gained in advanced high school courses, independent research, non-credit adult courses or professional development programs. Credit by examination shall not be given for a previously attempted or surpassed course, or for hours beyond published limits. The Pass (P) grade given is not calculated into the GPA. Students of any age currently or previously enrolled in Texas Southern University can demonstrate college-level achievement and receive credit for what they may have learned through advanced-high school courses, independent research, non- credit adult courses or professional development. To the extent that a student is successful in passing the prescribed examinations, he or she may use the maximum allowable credits received to shorten the length of time required to attain a degree. The student must submit the Credit by Examination form, such as the CLEP, to the academic department, the academic dean of the school or college involved, and the Provost for approval. Once approved for credit by examination, the student must pay applicable testing, administration, and per credit hour fees, earn a passing score on the national and/or departmental examination, and the approved application will be submitted to the Registrar's Office by the Office of the Provost.

Credit may be earned through the successful completion of one or more of the following examinations: College Entrance Examination Board (CEEB) specified achievement tests; CEEB Advanced Placement Examinations that are part of the Advanced Placement Examinations (AP); CEEB College Level Examination Program (CLEP); International Baccalaureate Examinations (IB); Modern Language Association Cooperative Foreign Language Examinations; departmental examinations prepared, administered and scored by Texas Southern University faculty members who teach the applicable course(s). In addition to any of the above, a department may require an essay and/or a laboratory and/or an oral examination. AP and IB examinations are normally taken while the student is in high school, preferably in the spring before expected college enrollment. Information on these examinations is available in high schools through the principals or the counselors. High school students may also take CLEP examinations. A listing of AP and IB credit-eligible scores is available at [www.tsu.edu/creditbyexam](http://www.tsu.edu/creditbyexam).

## **Concurrent Enrollment**

A student concurrently enrolled at Texas Southern University and another college or university may receive total credit for no more than the maximum allowable Texas Southern University load for any given semester or term. In each semester of concurrent enrollment, the student must verify with his or her advisor that the other institution's courses qualify for transfer, notify the Office of Financial Aid at both Texas Southern University and the other institution, and submit the signed agreement form to the Registrar's Office.

## **Discontinued Classes**

The University reserves the right, when necessary, to discontinue classes or to otherwise alter the schedule. If a class is discontinued, students will be notified at the first scheduled class meeting, whenever possible, so that they may register for alternate courses. Students who are enrolled in a discontinued class must officially drop the course; students who wish to enroll in another section or another course must immediately and officially carry out the drop and add process.

## **Official Enrollment in Class**

A student may not attend a class after the first week of classes unless he or she is properly registered for that course and section. Failure to follow proper registration procedures may jeopardize that student's good standing at the University and result in loss of funds and credit. Instructors' class rolls are prepared from the official enrollment records of the Registrar. A student whose name does not appear on the class rolls should contact the Registrar's Office to verify his or her proper registration.

## TRANSFER CREDIT

**Transfer of credit from another institution to Texas Southern University involves consideration of the institution's accreditation, the comparability of course work, and the applicability of that course work to a degree program at the University.** The Office of Undergraduate Admissions is responsible for reviewing each course taken at another college or university and making an initial determination of transferability. Colleges and universities from which credits are to be transferred must have been granted membership or candidacy status in a regional accrediting association of the Association of Colleges and Schools, which does NOT include accrediting commissions for vocational or occupational training.

**There are two transfer paths to consider. A student may transfer lower division (freshman and sophomore) level credits from a junior or community college.**

**The second transfer path allows a student from a four-year institution to transfer to TSU courses at the lower or upper division (freshman/sophomore or junior/senior) as designated by the sending institution's transcripts.**

**No limit is placed on the total amount of courses credit accepted in transfer from either junior- or senior level institutions; however, students are required to complete the last thirty hours in residence at TSU. Additionally, academic deans in each college and school will determine which transfer credits will apply to the student's degree.**

All academic courses, except developmental courses, whether passed, failed, or repeated, including those in which the student earned a grade below C, are used to compute the applicant's grade point average for admission purposes.

In order for the Office of Undergraduate Admissions to make a decision about the transferability of a course, the transfer student may need to provide materials such as school catalogs/bulletins, course descriptions, course outlines, class assignments, or textbooks to assure proper evaluation. The final determination of the applicability of credit transferred toward a degree sought at Texas Southern University is made by the chair of the student's major department and the dean of the school or college in which it is listed. The academic department of the student's major has the final authority for the transferability of courses to the University in adherence with university policy.

Courses accepted for transfer credit must be from a college or university accredited by one of the regional agencies for higher education and must be similar in character and content to courses offered at Texas Southern University.

Junior and community college courses may only transfer as lower-division (freshman or sophomore) credit. Undergraduate courses from senior colleges transfer at the same level, lower- or upper-division, as they were taken. Graduate-level coursework is not transferable as undergraduate credit.

**In the transfer of core curriculum credits and field of study curricula credits from other public institutions of higher education in Texas to Texas Southern University,** the University is subject to Texas Education Code Chapter 4, Subchapter B, and Rule 4.27. These sections specifically address the resolution of transfer disputes for lower division courses between two public institutions of higher education in Texas and are quoted directly as follows:

- a. The following procedures shall be followed by public institutions of higher education in the resolution of credit transfer disputes involving lower division courses:
  1. If an institution of higher education does not accept course credit earned by a student at another institution of higher education, the receiving institution shall give written notice to the student and to the sending institution that transfer of the course credit is denied, and shall include in that notice the reasons for denying the credit. Attached to the written notice shall be the procedures for resolution of transfer disputes for lower-division courses as outlined in this section, accompanied by clear

instructions outlining the procedure for appealing the decision to the Commissioner.

2. A student who receives notice as specified in paragraph (1) of this subsection may dispute the denial of credit by contacting a designated official at either the sending or the receiving institution.
  3. The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Board rules and guidelines.
  4. If the transfer dispute is not resolved to the satisfaction of the student or the sending institution within 45 days after the date the student received written notice of denial, the institution that denies the course credit for transfer shall notify the Commissioner of Higher Education of its denial and the reasons for the denial.
- 
- b. The Commissioner or Commissioner's designee shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions.
  - c. Each institution of higher education shall publish in its course catalogs the procedures specified in subsections (a), (b), (d), and (e) of this section.
  - d. The Board shall collect data on the types of transfer disputes that are reported and the disposition of each case that is considered by the Commissioner or the Commissioner's designee.

## ACADEMIC FRESH START

**Texas residents may request to have all academic coursework completed at any institution of higher education 10 or more years prior to submitting an application for admission or readmission be disregarded for admission purposes under the Academic Fresh Start Program (Texas Education Code section 51.931).** In electing to enroll under this provision, students will not receive any credit for courses taken ten (10) or more years ago prior to enrollment at Texas Southern University.

If a student earns a baccalaureate degree under this section and applies for admission to a graduate or professional program of study that is offered by a public institution of higher education in Texas, only the grade point average (GPA) that the student earned under this section is to be considered, along with any other criteria used for evaluating applicants for admission to these programs of study.

**Students who qualify for an academic fresh start may petition the University for such through the use of the steps outlined below:**

1. Submit an application for admission to Texas Southern University, Office of Undergraduate Admissions, 3100 Cleburne Street; Houston, Texas 77004-9987, or electronically at [www.applytexas.org](http://www.applytexas.org). Students seeking readmission to the university can complete the application for readmission online at [www.tsu.edu/admissions](http://www.tsu.edu/admissions). The applicant must indicate their desire to apply for admission under the Academic Fresh Start policy on the application for admission (or readmission).
2. The Office of Undergraduate Admissions will determine whether or not the applicant is eligible for an academic fresh start.
3. The Office of Undergraduate Admissions will notify the applicant, in writing, of his or her status within a reasonable period of time.
4. New applicants for admission or readmission may request consideration for the Academic Fresh Start Program only once at Texas Southern University.
5. The Director of Admissions has the final authority on determining whether an applicant meets the requirements for the Academic Fresh Start Program.

## EARLY ADMISSION OF HIGH SCHOOL STUDENTS

Texas Southern University's early admission policy is designed to give high school students who demonstrate outstanding academic performance the opportunity to enroll in regular college courses for credit toward graduation while they are still enrolled in high school. The student retains high school status and has the option of enrolling either during the summer session following the junior year in high school or in the fall of the senior year. The student must take high school courses concurrently while enrolled as a part-time student at TSU.

**Eligibility.** All Early Admission applicants must satisfy the following requirements:

1. Successful completion of the 11th grade.
2. Evidence of a level of academic achievement that promises successful completion of college work. Applicants must have passed all portions of the Exit-Level Texas Assessment of Knowledge and Skills (TAKS) or State of Texas Assessments of Academic Readiness (STAAR) examinations.
3. Recommendation from a high school guidance counselor or principal.
4. Either (1) a minimum GPA of 3.10 on a 4.0 scale, along with a minimum SAT combined score of 1000 or ACT composite score of 20; OR (2) a minimum GPA of 3.50 on a 4.0 scale, along with a minimum SAT combined score of 900 or ACT composite score of 18.



**Applications.** All documents pertaining to early admission must be submitted to the Office of Undergraduate Admission and must include the following:

1. Completed application form
2. Non-refundable \$42 application fee or approved fee waiver.
3. Official high school transcript showing successful completion of the TAKS or STAAR examination. Exemptions do not qualify for early admission.
4. Official SAT-I, PSAT or ACT scores report (Test scores posted on a high school transcript are considered official)

**Enrollment.** A student who is admitted under the Early Admission Program:

1. May enroll in up to six (6) semester credit hours per eligible semester for up to two (2) years while being concurrently enrolled in high school
2. Must follow University rules and regulations
3. Will be classified as an Early Admit student

**Financial Aid.** Inasmuch as early admission students are considered to be in college and high school at the same time, federal regulations prohibit eligibility for any form of federal financial aid (grants or loans).

**Change of Status.** A high school student admitted under the early admission policy who remains in good standing through high school graduation will automatically have his or her status upgraded to “unconditional undergraduate admission.” However, the student must provide an official copy of the final high school transcript with evidence of date of graduation

## ORIENTATION PROGRAM FOR NEW STUDENTS

All undergraduate students entering the University for the first time are required to take part in a series of mandatory orientation activities, which are conducted prior to the opening of their semester of residence. Orientation programs are planned for each of the two semesters on specific dates prior to registration.

## TEXAS SUCCESS INITIATIVE (TSI)

The Texas Success Initiative was developed by the 78th State Legislature on September 1, 2003 to guarantee student success at institutions of higher education. The TSI Assessment is a State of Texas mandated program. The TSI assessment is required for all First-time Freshmen and Non-Resident Transfer Students. The TSI Assessment test is a diagnostic assessment used to determine college readiness in the areas of reading, mathematics. This program also will help determine what type of course or intervention will best meet students’ needs to help them better prepared for college-level course.

TSI test scores are not used to determine admissions status; however, entering students must test before enrolling in college-level courses at any Texas higher education public institution. Students who have tested but have not attained the established minimum scores on one or more sections of the test are required by Texas Law to obtain TSI advisement and enroll in a formal program of skills development each semester until they are deemed TSI complete for all sections of the test.

The program involves two major components: (1) measuring students' academic skills in reading, writing and mathematics and (2) advising the student into the appropriate developmental course for any academic skill that needs improvement. In accordance with the Initiative, all applicants must have successfully completed the following number of high school credits:

- 4 in English
- 3 in mathematics
- 2 in natural science
- 2 in social science
- 6 selected from a group consisting of foreign languages, computer science (or keyboarding), speech, journalism, and fine arts

**Academic Advisement:** Academic advisement for all students, including those that have not met the TSI standard is handled within the respective school or college of the student's academic major.

### Texas Success Initiative (TSI) Exemption Rules

#### ACT & SAT Exemptions

#### SCORES CAN BE NO MORE THAN FIVE YEARS OLD

ACT Scores required for TSI Exemption	SAT Scores required for TSI Exemption
Composite: 23 or higher <b>and</b> Subtest: Math score of 19 or Higher is TSI Math Exempt.	Composite: 1070 or higher <b>and</b> Subtest Math score of 500 or higher is TSI Math Exempt.
Composite: 23 or higher <b>and</b> Subtest: English score of 19 or Higher is TSI Writing & Reading Exempt.	Composite: 1070 or higher <b>and</b> Subtest Critical Reading score of 500 or higher is TSI Writing & Reading Exempt.

#### TAKS Exemption

#### SCORES CAN BE NO MORE THAN FIVE YEARS OLD

Eleventh grade exit-level TAKS scores of 2200 or higher on math and/or 2200 or higher in English Language Arts with a writing composition rating of at least 3.

**[The English Language Arts and written composition sections must be met together -- if neither or only one area is met, student must take both the reading and writing sections of a TSI test.]**

#### STAAR Exemption

STAAR end-of-course (EOC) with a minimum score of Level 2 on the English III shall be exempt from the TSI Assessment required under this title for both reading and writing, and a minimum score of Level 2 on the Algebra II EOC shall be exempt from the TSI Assessment required under this title for the mathematics section.

### **Existing College Degree Exemption**

Students who have an associate or bachelor's degree earned from a regionally accredited college or university.

### **Military Exemptions**

#### **Military Service:**

- (a) Students who are serving in the state of Texas as active duty members of the Armed Forces of the United States. Official documentation of active duty status for the enrollment period is required. Students must file a Verification of Active Duty form each semester which can be obtained in the Base Education Office.
- (b) Students who are on active duty in the Texas National Guard.
- (c) Students who are members of a reserve component of the armed forces for at least 3 years preceding enrollment.
- (d) Students who on or after August 1, 1990, were honorably discharged, retired, or released from active duty as a member of the U.S. armed forces, Texas National Guard, or member of reserve component. A copy of the DD214 form showing this status is required.

### **Transfer Student Exemptions**

Students who are transferring to TSU from a private or out-of-state, regionally accredited, college or university may meet sections of the Texas Success Initiative based on a grade of C or better in courses that are equivalent to the following courses at Texas Southern University.

#### **Writing\*:**

ENG 131 or 132- Freshman English I & II

#### **Reading\*:**

ENG Literature 230, 231, 235 & 244 (World, American and African American)

HIST 231 or 232 - United States History

POLS 235 or 236 - American Government

PSY 131- General Psychology

#### **Mathematics\*:**

MATH 133- College Algebra or any higher level MATH

Students who believe they meet one of the exemptions, should be sure that the appropriate test scores/transcripts are submitted to the TSI Coordinator (by email: [neveusr@tsu.edu](mailto:neveusr@tsu.edu) or in person, call 713-313-6886 to schedule an appointment) as soon as possible.

#### **Additional TSI Notes:**

Students previously considered TASP or TSI exempt/complete from another Texas state institution will not have to meet TSI requirements; however, all course prerequisites must be met. (Official documents must be presented at the time of exemption) Some international courses may not meet these requirements. The Transfer Center will inform students of their transfer credits once transcripts have been evaluated.

## ACADEMIC REGULATIONS

### Course Scheduling Policy

The primary goal of the Academic Scheduling Process is to maximize the probability that all students receive their choice of courses required for graduation on a timely basis (within the prescribed number of semesters) by providing a conflict-free resource environment (staff, space, and courses) which minimizes operating and capital costs.

The length of the academic week and variations in time patterns used in constructing a schedule of classes play important roles in the effectiveness of the academic schedule. Time patterns are the configurations of days and hours to be used in setting up the schedule of classes. If a standard set of patterns is chosen, with compatible starting and ending times, schedules will fit together more easily. If patterns are dissimilar, more conflicts will occur within a given academic week. In addition, when courses are concentrated at one time, students have minimum course selectivity, no scheduling flexibility and will require maximum staff and space resources.

The probability of a student obtaining a conflict-free schedule can be greatly increased when the courses are distributed throughout the hours of the day and the days of the week. Thus, it is highly desirable to distribute course offerings evenly over an academic week, thus providing for the largest number of non-conflicting time patterns.

### General Policy Regarding the Academic Scheduling Process

- o The policy for class scheduling is established by the Office of the Provost and implemented by the Office of the University Registrar.
- o General objectives in building the Schedule of Classes include providing workable schedules for students by departments, ensuring access to courses by students, and making efficient use of educational buildings.

### Scheduling Strategies

- o Departments must strictly adhere to the approved standard set of time patterns.
- o All classes are to be scheduled to start at the hour or half-hour.
- o Departments must schedule all multiple lecture and laboratory sections so that student course enrollments will be distributed approximately equally between mornings and afternoons and between the different meeting patterns (TR vs. MWF).
- o Since the goal is to provide all students with the largest number of opportunities to register for as many courses as possible, departments should make efforts to schedule courses during non-peak hours. Peak hours are between 9:00 AM and 3:00 PM.
- o Because the standard meeting lengths are in 50- and 75-minute time blocks, non-standard sections should be offered in multiples of these times to avoid end times that preclude students from registering for courses that may follow the non-standard section.
- o All Colleges and Schools have the ability to schedule their own classrooms.

**Required Class Meeting Length (note this table is based on contact hours not semester credit hours):**

Contact time for courses	Meeting Sequences	Required Length of Each Class Meeting
For 4 hour classes	MTWR	50 min
For 4 hour classes	MW* or TR	1 hour 50 min
For 3 hour classes	MWF	50 min
For 3 hour classes	MW* or TR	1 hour 15 min
For 3 hour classes**	T or R	2 hours 50 min
For 2 hour classes	MW or MF or TR or WF	50 min
For 2 hour classes	T or R	1 hour 50 min
For 1 hour classes***	M or T or W or R or F	50 min

\* Courses may only be scheduled using these sequences after 3:00 pm.

\*\* Laboratory courses only

\*\*\*Before 9 AM or after 3 PM or at Noon (12PM) if the courses 300-level or higher. This will lessen the impact on student's schedules and room utilization.

- Graduate courses, taught during peak hours (9AM-3PM), are exempt from this policy provided they meet in a room with a capacity of 15 or less. Graduate courses taught at non-peak hours are exempt regardless of their room capacity.
- The scheduling policy is not in effect for summer terms.
- Courses with designated laboratory/demonstration time built into the course may treat the lecture and laboratory contact hours as separate or combined courses
- Deviations from Approved Patterns Courses that receive prior approval from the Registrar may deviate from the scheduled time patterns reflected. Approval will be granted on a case-by-case basis and will be approved only if a compelling argument can be made as to why the approved patterns will not meet the needs of the department.

**Approved Fall 2011**

**Load Limit**

The normal load is **15 to 18 semester credit hours**. A regular student may not carry more than **18 hours** of course work in any long term or semester without the approval of his or her dean and the head of the department in which the student is a major. The maximum load for any student in a regular semester is **21 hours**. Students who are working may be required by the dean to reduce their loads. A student enrolled in a **6-week summer term** may not normally carry more than **7 hours**. Under special conditions a student may, with permission of his or her dean, carry **8 hours in one 6-week term** provided he or she carries no more than **6 hours during the other term of that summer**. Under no circumstances may a student earn more than **14 semester hours from any source in the two terms of one summer**.

**Full-Time and Part-Time Status**

The full-time or part-time status of students is determined by the descriptors listed in the table below.

	Undergraduate Fall/Spring	Undergraduate 6-week Summer term
Full-time	12 or more credit hours	6
3/4 time	9-11	4-5
1/2 time	6-8	3
Less than 1/2 time	1-5	0-2
1/4 time	1-3	X

**Classification**

Undergraduate students' classification is determined as follows:

Classification	Freshman	Sophomore	Junior	Senior
Credit hours earned	0-29	30-59	60-89	90+

## Class Attendance Regulations

All students are required to be present for all class meetings of any course in which they are enrolled. Students are responsible for learning about, becoming knowledgeable of, and complying with the attendance policy stated in the catalog and/or faculty syllabus. Faculty members will provide details on the rules for attendance in their classes in their course syllabi. Faculty members will keep students' attendance records.

### Record keeping

A record of excused and unexcused absences will be maintained by faculty members. When requested by the student, teachers must inform the student who has been absent whether or not make-up work is allowed and whether or not absences jeopardize the student's standing in a class.

### Nonattendance

Students who register for courses for a particular semester must attend their classes starting on the first day of class. Students who have not attended classes up to the 12th day of classes will be reported to the Registrar's office for nonattendance. A student who is reported for non-attendance will be dropped from those classes which he or she has not attended.

Students who have supporting documentation offering explanation for their absence(s) must present their documentation to the instructor who reported them for nonattendance. The instructor may evaluate their supporting documentation and hear their case. If the request for consideration is denied, the student will have to re-register for the course as early as the next semester the class is available. If the instructor approves the student for reinstatement, the instructor will submit a written request for the student's reinstatement to the dean of the school or college. If the dean approves the request for reinstatement, he or she will submit a written request to the Registrar's Office for the student's reinstatement.

### Change of Major

A student in an undergraduate department of the University who can satisfy admission requirements of another undergraduate department within the same college or school may transfer to it with the approval of the department chairs concerned.

### Transferring from One Branch to Another

A student in an undergraduate college or school of the University who can satisfy admission requirements of another undergraduate branch may transfer to it with the approval of the department chairs and deans concerned.

### Changes in Class Schedule (Adds, Drops, and Withdrawals)

A student may make changes in class schedules with the approval of his faculty advisor and of the department in which the course is offered. **A service fee is charged for each change in program.**

Course changes must be made in person under the following conditions:

- a. **Adding courses.** In adding courses, the student must obtain the approval of his or her faculty advisor and the department in which the course is offered.
- b. **Dropping courses.** A student may, for good cause, drop a course with the approval of his or her faculty advisor and the department in which the course is offered under the following provisions:
  - During the first twelve days of any semester or the first four days of a summer term, a student may drop a course without having a grade recorded for the course.
  - After the twelfth or fourth class day, a student may drop a course without penalty prior to the published deadline. A grade of W will be recorded. State legislation enforces a limit of six (6) recorded drops, excluding withdrawals, over the college career of a student who enrolls in a Texas public institution of higher education as a first-time freshman beginning fall



2007 or later. Documentation of good cause must accompany any request for exception.

- After the published deadline, a student will be permitted to drop a course only upon approval of the student's dean and only for urgent and substantiated, nonacademic reasons acceptable to the dean.

## **Drop Policy: Documentation for the Unofficial Withdrawal of Students**

### **Academic Pursuit:**

A student is encouraged to attend classes regularly and has the responsibility for performance of the work of the course, including the taking of examinations at the time they are administered to the entire class.

### **Definition of Grade/Academic Progress Rosters:**

- The Twelfth Day Roster is the faculty report of students that are attending classes as of the state reporting date.
- The Mid-Term Roster is the faculty report of the student's academic progress up to the mid-point of the semester.
- The 60% Roster is the faculty report of students that have stopped attending classes by the 60% mark of the semester, which is usually the week after midterm or the 10<sup>th</sup> week of the fall/spring session. The Office of the Registrar generates the 60% Roster by asking faculty to submit the names of students who have stopped attending classes. This roster is then generated to withdraw students from classes, thereby helping them to avoid earning "Fs" solely for non-attendance.
- The Final Grade Roster is the faculty report of the student's academic progress for the term, inclusive of the final examination period.

### **Policy:**

1. Students are considered as non-attending when they have been recorded as ceasing to participate in academic-related activities, such as outlined in the University Catalog. Students may be reported as non-attending on any grade/academic progress report roster. Students failing to meet the attendance standards as outlined in the University Catalog will be administratively withdrawn (AW) from the course based on the last known date the student successfully completed an academic activity as documented in the course of record. The process is completed as follows:

- The Office of the Registrar will distribute the rosters to the respective instructors of record for the term.
  - o The instructors will record the students' status with the appropriate code or grade for the time frame.
  - o On the twelfth day roster, the instructor will indicate a non-attending (NAT) status for the student.
  - o The instructors will enter the last date of attendance (LDA) only for students that cease to be enrolled on the mid-term, 60% and final grade roster.
  - o Additionally, the instructor must enter a last date of attendance for any student receiving an "F" or "U" on the final grade roster.

### **Procedures for Implementing Grade/Academic Roster Drops**

1. The Office of the Registrar will provide the college or school of the respective course(s) the names of students reported with a last date of attendance after the submission of the twelfth, mid-term, 60% and final grade rosters.
2. The Office of the Registrar will simultaneously forward an email to the student informing him/her of any drops occurring prior to the final examination period, thereby notifying the student that he/she has been reported as non-attending. Students will be encouraged to contact their instructors within five (5) business days.
3. The associate/assistant dean of each college or school will verify the roster by working with the department chair and his/her faculty instructors on the students' attendance status. The department chair will communicate the findings to the associate/assistant dean. The associate/assistant dean will review the grade/academic progress rosters and make requests for reinstatements of students no later than five (5) business days after the generation of the list by the Office of the Registrar.

4. The Grade/Academic Progress rosters will be used as documentation for drops and withdrawals.
- a. The final grade report will include a record of the last date of attendance for any student receiving an “F” or “U” for the term. Prior to exiting the term, the instructor of record will be required to enter the date on the student’s record. The last date of attendance will serve as the record of the student earning the grade for the term. Students will receive an electronic grade report containing final grades via the TSU MyWeb account.

### **Determination of Reinstatements**

1. Once a student has been withdrawn or reported as attending and earning zero credit hours, the student will have an opportunity to offer supporting documentation that explains his/her reason(s) for non-attendance. This documentation must be presented to the instructor who reported the student for nonattendance within seven (7) working days or before the last day to drop or withdraw from classes – whichever date comes earlier.
2. The instructor may evaluate the student’s supporting documentation and hear the case. The decision to reinstate or uphold the withdrawal will be forwarded to the student in writing and to the associate/assistant dean, with a copy to the department chair. The associate/assistant dean will communicate with the Office of the Registrar.

### **Determination of “Unofficial Withdrawal”**

1. A student who is withdrawn for non-attendance from all courses is essentially considered an “Unofficial Withdrawal” and may owe a payment to the financial aid programs based on the length of time the student remained actively enrolled in the course. For additional information on the withdrawal calculation for Title IV aid, students may visit <http://em.tsu.edu/catalog/withdrawal.php>.
2. **The Office of Student Accounting** will perform the withdrawal calculation and any balance resulting from the return of funds will be due and immediately payable to the university. The Office of Student Accounting will forward written notification (email or paper) to the address on file for the student’s record and action.

### **Withdrawal**

To ensure his or her possible future standing with the University, a student has the right to withdraw officially. A student wishing to withdraw from the University for the remainder of a session should apply to the dean of his or her school or college for permission. Having secured the dean’s permission, the student may receive honorable dismissal through the Registrar’s Office after he or she has returned all library books, surrendered his or her activity books, and cleared himself or herself with all offices at the University. A student failing to do these things will not be eligible for restitution of any fees.

The term “honorable dismissal” will not be given unless the student’s standing as to conduct and character is such as to entitle him or her continuance in the University. The grade to be recommended for the student will be in keeping with the regulation for dropping courses.

## Reinstatement

Students who are administratively withdrawn from their classes because of nonpayment of tuition and fees may petition for reinstatement if and only if extraordinary circumstances prevail. Students may obtain the prescribed form in the Registrar's Office and must return the petition with evidence of suitable payment options. The Registrar's Office reviews all such petitions on a case-by-case basis. All approved petitions are subject to a late payment fee and a reinstatement fee.

## Course Numbering

Lower division undergraduate courses are numbered from 100 to 299, whereas upper-division undergraduate courses are numbered 300 to 499. Upper division courses that may be taken by graduate students for graduate credit upon prior approval of the student's advisor and Dean of the Graduate School are listed in the Graduate Bulletin. Courses numbered 500 and above, except in pharmacy, carry graduate credit and are open only to graduate students.

## Unit of Credit and Grade Point Average

- The unit of credit is the semester hour. A semester hour represents the equivalent of one recitation or lecture hour per week for one semester.
- The following grades and quality points per semester hour were used in evaluating the work of students in courses at the University in the past:

Grade	Meaning	Prior to Fall 1977	Beginning Fall 1977
A+, A	Excellent	3.00	4.00
B	Good	2.00	3.00
C	Average	1.00	2.00
D	Poor but Passing	0	1.00
I	Incomplete	0	0
F	Failure	0	0
W	Withdrawal	0	0
S	Satisfactory		0
U	Unsatisfactory		0
N	No Grade Submitted		0
P	Pass		0

- Beginning the Fall of 1991, the following grades and quality points were and are now used:

Grade	Meaning	Grade or Quality Points Per Credit
A+, A	Excellent	4.00
A-	Intermediate Grade	3.67
B+	Intermediate Grade	3.33
B	Good	3.00
B-	Intermediate Grade	2.67
C+	Intermediate Grade	2.33
C	Satisfactory	2.00
C-	Intermediate Grade	1.67
D+	Intermediate Grade	1.33
D	Marginal	1.00
D-	Intermediate Grade	0.67
F	Failure	0
I	Incomplete	0
P	Passing	0
R	In Progress	0
S	Satisfactory	0
U	Unsatisfactory	0
W	Withdrawal	0
WT	Withdrawal, Test Requirement NOT Fulfilled	0

4. The grade “R,” meaning “In Progress,” is given only when the work in a course extends beyond the semester or term. It implies satisfactory performance. The grade “R” will not alter the quality point average of the student inasmuch as hours attempted, hours earned, and quality points earned will not be entered in cumulative totals.
5. The grade of “I” is given only when a student’s work is satisfactory in quality, but because of reasons beyond his or her control, the work has not been completed. The missing work may be a major quiz, a final examination, a term paper, or other work. It is not given in lieu of an F. The instructor will stipulate, in writing, at the time the grade is given the conditions under which the “I” may be removed. This temporary grade of “I” is non-punitive and semester hours for the course are not considered in the computation of the quality-point average. Removal must be within one calendar year after the “I” is assigned, or the “I” grade shall become an “F.” The grade “I” is not assigned if the student must retake the course. In the event a student who earns a grade of “I” decides to retake the course, the student is required to pay for that course a second time.
6. The grade of “W” is given for a course officially dropped by the student after the twelfth class day of a regular semester or the fourth class day of a summer term and before mid-semester or midterm.
7. **In cases where students repeat courses, the last grade earned must be used in the determination of the student’s official grade point average at all stages and in the determination of eligibility for graduation.**
8. **The terms “grade point average (GPA)” and “quality point average” are used interchangeably. In all cases, these averages are calculated by dividing the total quality points earned (see chart above) by the total semester credit hours attempted.**

### **Grade Notification**

Final grades are electronically disclosed to students at the end of each term, no later than fourteen (14) days after all final examinations have been completed.

### **Academic Standing Policy**

The minimum grade point average (GPA) required by the University for awarding the baccalaureate degree is 2.00 for all credit work taken by the student as part of an approved program of study. The grade point average is computed by dividing the total number of quality points earned by the total number of GPA hours (See “Grading System,” University Catalog), except for credit hours in courses for which the student received a “W” or “I.” For any repeated course, the grade earned only in the last attempt is used in the grade point average calculation.

The academic standing is determined at the end of each semester based on the institutional cumulative grade point average at the end of that semester as well as the grade point average earned during the semester.

**Good Academic Standing:** A student who maintains an institutional cumulative grade point average of 2.00 or higher is in good academic standing. A student may still be considered in good academic standing if he/she has an institutional cumulative grade point average less than 2.00 but meets the condition described below.

**Academic Probation:** Students who start any semester in good academic standing but fail to maintain an institutional cumulative GPA of 2.00 or higher at the end of the semester will be placed on Academic Probation for the following semester. Students on Probation may be removed from Academic Probation at the end of the semester if they earn a cumulative GPA of 2.00 or higher. Students who fail to bring their cumulative GPA to 2.00 or higher at the end of the semester will be placed on Suspension. However, a student on Academic Probation will be considered in good academic standing and will not be suspended at the end of any semester during which a semester GPA of 2.25 or higher has been earned.

### **Students on Academic Probation:**

- May not register for more than 15 semester credit hours
- MUST seek advisement in the office of their major department
- Complete an Academic Agreement with their academic advisor.

**Suspension:** Students on Academic Probation at the beginning of the semester are suspended if they fail to bring their cumulative GPA to 2.00 or higher by the end of the semester unless they earn a semester GPA of 2.25 or higher. Additionally, any student enrolled in nine or more credit hours and who earns an “F” in all classes will be suspended from the University.

- A. The first academic suspension is for a period of **at least one long semester** (fall or spring).
- Students placed on academic suspension at the end of a fall semester are suspended for the following spring and are not eligible to re-enroll until the following summer.
  - Students placed on academic suspension at the end of a spring semester are suspended for the following fall and are not eligible to re-enroll until the following spring.
  - Students placed on academic suspension at the end of a summer session are suspended for the following fall and are not eligible to re-enroll until the following spring.
- B. Any suspension after the first one will be for a period of one year. At the end of the suspension period, students will need to apply for re-admission to the University provided they can show evidence of increased academic maturity as explained below.
- C. While being on suspension, the student must enroll in another institution of higher learning and show evidence of academic maturity at the end of the suspension period. Such evidence may be grades from courses taken at that institution. Military service and associated courses/training may also be used as evidence of maturity. The following are evidence of academic maturity based on the suspension period:
- **Academic maturity evidence for one semester suspension:** Completion of 12 credit hours or more in courses that are not repeats of courses previously taken at TSU and a GPA of 2.5 or higher at the end of the enrollment period.
  - **Academic maturity evidence for one year suspension:** Completion of 24 credit hours or more in courses that are not repeats of courses previously taken at TSU and a GPA of 2.5 or higher at the end of the enrollment period.

#### **Academic Suspension and Appeal:**

Faculty and staff are committed to helping students achieve their academic goals. Nevertheless, some students fail to maintain an adequate grade point average and are academically suspended. Students who believe that extenuating circumstances contributed to their suspension may appeal their case to the University’s Committee on Suspension and Readmission. To appeal, students must explain those circumstances in a letter submitted to the committee immediately after receiving notification of suspension. (See also “Grade Appeal, Retention Standards, and Academic Probation” in the Undergraduate Catalog.)

#### **Readmission from Academic Suspension:**

- A. Only the dean of the college or school may readmit students on academic suspension from Texas Southern University.
- B. Readmission from academic suspension is neither automatic nor guaranteed. Students seeking readmission must submit the following to the dean of the college or school in which they wish to earn their degrees:
1. A written petition justifying their readiness to resume their studies at the University.
  2. Transcripts showing at least a 2.50 grade point average on all college work completed elsewhere while on academic suspension from Texas Southern University.
  3. Transcripts of all other completed college work.
  4. Students seeking to change their majors from the college from which they were suspended to another college must submit a “change of major” request along with a petition for readmission from academic suspension to the college of the intended major.

Colleges or schools may have additional policies and procedures pertaining to readmission from academic suspension; therefore,

students seeking readmission should consult the appropriate college section in this catalog or request information from the office of the academic dean for specific college requirements.

When re-admitted, the student will enter the University with probationary status. Another suspension at the end of the semester of re-admission may be avoided by achieving the minimum cumulative grade point average according to the above standards.

**NOTE: Each college or school may adopt its own set of “Academic Progression Standards” to address the particular academic needs of its students. These standards, however, may be higher than the standards of the University, as set out above, but they may not be lower.**

### Semester Academic Honors

Academic honors are earned for performance **during each fall and spring semester of enrollment** in accord with requirements summarized below. **Academic honors are not bestowed during summer terms.** Distinctions earned as a result of academic performance become a part of students’ permanent records.

Academic Distinction	Required GPA for Semester	Conditions for Designation of Academic Distinction
President’s List	3.75 to 4.00	A minimum of 12 semester credits completed; a minimum cumulative GPA of 3.00 earned; no grades earned below “B”; and no grades of “I”, “W”, “P”, or “S” earned
Deans’ List	3.50 to 3.74	A minimum of 12 semester credits completed
Honor Roll	3.00 to 3.49	A minimum of 12 semester credits completed

### Correspondence Courses

Texas Southern University offers no correspondence courses. A student in residence at this institution will be permitted to receive credit for correspondence courses from other institutions only when written permission to take the courses has been granted in advance by the dean of the school or college in which the student is enrolled. Each request made by a student of the University for credit in courses taken by correspondence will be considered on its own merits by the registrar and the dean involved. Credit earned in a course completed by correspondence will be accepted only if the final examination is taken under the supervision of the Registrar of Texas Southern University.

Not more than twelve (12) semester hours of credit taken in correspondence work may be applied toward the requirements for an undergraduate degree. (No graduate credit will be given for work done by correspondence.) **Further, inasmuch as the last thirty (30) semester hours of credit for an undergraduate degree must be taken in residence, no credit earned by correspondence may be applied toward the requirements for an undergraduate degree after the student has earned ninety-four (94) semester hours of credit applicable toward the requirements for a degree. Any exceptions to this rule must be made by the appropriate undergraduate dean.**

### Scholastic Dishonesty

Students must maintain a high standard of honesty in their academic work. They should avoid all forms of academic dishonesty, especially the following:

- **Plagiarism.** The appropriation of passages, either word for word (or in substance) from the writing of another and the incorporation of these as one’s own written work offered for credit.
- **Collusion.** Working with another person in the preparation of notes, themes, reports, or other written work offered for credit unless such collaboration is specifically approved in advance by the instructor.
- **Cheating on an Examination or Quiz.** Giving or receiving, offering or soliciting information, or using prepared material in an examination or testing situation is expressly forbidden. On examinations and quizzes students are expected (a) to



remain in the examination room until the examination is finished, (b) to refrain from talking, and (c) to refrain from bringing notes and books into the examination room.

- **Impersonation.** Allowing another person to attend classes, take examinations or to do graded assignments for an enrolled student under his or her name is strictly forbidden.

**A violator of any of the above offenses will incur severe disciplinary action ranging from suspension to expulsion from the University. Specific guidelines will be administered by each dean.**

## **Academic Grievances**

**Purpose.** The following procedures are designed to provide a means for undergraduate students to petition for review of final course grades alleged to be incorrect. Before filing a formal appeal, students are urged to resolve grievances informally with the instructor of the course. Students filing a written appeal shall be expected to abide by the final decision of the committee, as provided for in these procedures. This decision precludes any further review under any other procedure within the University.

**Conditions.** A student may seek a review of a final grade if he or she feels that one of the following conditions applies:

- A grade was assigned on some basis other than performance in the course, or
- the standards applied to a grade were not the same as those applied to other students in the course, or
- the assigned grade represents a substantial and unannounced departure from the instructor's previously stated standards.

**Procedures.** A student who feels that his or her grade is incorrect should

- 1. Confer promptly with the instructor of the course.** If the instructor is unavailable and cannot be reached by the student after a reasonable effort, then the student shall consult with the chair of the department offering the course. If the student and instructor or department chair are unable to arrive at a mutually agreeable solution, the student may file an appeal within twenty (20) days after the first day of class of the next semester (not including summers) with a standing committee of three (3) tenured faculty members of the department offering the course. If the instructor of the course is a member of the committee, he or she shall be replaced by a tenured faculty member selected by the chair of the department.
- 2. File an appeal by submitting to the departmental committee a detailed statement regarding the alleged improper grade, as well as any relevant evidence.** The appeal shall be dismissed if
  - a. the student has submitted the same or substantially the same complaint to any other grade review procedure,
  - b. the appeal is **not timely, or**
  - c. the student has not conferred with the instructor or department chair before filing the appeal.
- 3. Allow the departmental committee to take action.** If the appeal is not dismissed, the committee shall submit a copy of the student's written appeal to the instructor with a request for a prompt written reply.

**4. Work toward a mutually agreeable solution in concert with the committee and the instructor.** If a mutually agreeable solution is not achieved, the committee shall advise both the student and the instructor that the matter has been sent to the dean of the academic unit offering the course. The dean of the academic unit shall convene a committee of three (3) tenured faculty members from departments outside of the department offering the course. This committee shall hold an informal, non-adversarial fact-finding meeting concerning the dispute. Both the student and the instructor shall be entitled to be present throughout this meeting and to present any evidence deemed relevant, except the student shall not be present during the discussion of any other student. Neither the student nor the instructor shall be accompanied by counsel, an advocate, or a representative. The meeting shall be closed to the public. After the fact-finding meeting, if the majority of the committee finds that the evidence supports the student's complaint, the committee shall take any action thought to rectify the situation, including, but not limited to:

- directing the instructor to re-grade the student's work,
- directing the instructor to administer a new final examination or paper in the course,
- directing the cancellation of the student's registration in the course, or
- if no reasonable alternative is available, directing the instructor to award a grade of "pass" in the course.

The committee is not authorized to award a letter grade or to reprimand, or otherwise, take disciplinary action against the instructor. **The decision of the committee is final** and shall be promptly reported in writing to the parties involved. The dean of the academic unit has the responsibility for implementing the decision of the committee. If the instructor of record is the department chair, the dean of the college/school must form a committee of a minimum of three (3) tenured faculty members from the college. If the instructor of record is the dean of the college/school, the provost or his/her designee will hear the grievance and render a decision, or will form a committee of a minimum of three (3) tenured faculty members from outside the college/school to review and address the grievance and make a recommendation to the provost. If the departmental committee's decision differs from that of the college/school committee, then the dean of the college/school shall render a final decision with the approval of the provost. In the event the grievance is not satisfactorily resolved at the departmental or college/school levels, the grievant may directly appeal the decision to the provost who has the authority to hear the grievance or refer it to a committee outside the college/school. Upon receipt of the recommendation of the committee, provost shall make a final decision and inform the parties involved, and corrective action shall be taken promptly.

## TSU GENERAL EDUCATION CORE CURRICULUM

### Texas Core Curriculum, Effective 2018

The core curriculum is central to the intellectual mission of Texas Southern University. It is designed to equip students in each major field or concentration with a broad knowledge base and a set of college-level competencies to support lifelong learning and the attainment of their academic and career goals.

Texas Southern University's undergraduate degree programs require comply with the mandates of the Texas Higher Education Coordinating Board, which requires all students to complete a General Education Core Curriculum. Texas Southern University requires students to complete 42 credit hours in the following foundational component areas:

- Communication
- Mathematics
- Life and physical sciences
- Language, philosophy, and culture
- Creative arts
- American history
- Government/political science
- Social and behavioral sciences

The goals of the core curriculum at Texas Southern University are to prepare students to examine their values; to become aware of the values, perspectives, and contributions of other individuals, groups and cultures; to integrate knowledge; and to understand the interrelations of the scholarly disciplines. Students will accomplish these goals through intensive reading and frequent writing, critical analysis, computational and hands-on experiences, active discussion and collaborative projects.

### TSU Core Curriculum Objectives

The objectives of the core curriculum are to guide students to develop the following essential competencies:

- **Critical Thinking Skills**, which include creative thinking; innovation; inquiry; and analysis, evaluation and synthesis of information.
- **Communication Skills**, which include effective development, interpretation and expression of ideas through written, oral and visual communication.
- **Empirical and Quantitative Skills**, which include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
- **Teamwork**, which includes the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.
- **Personal Responsibility**, which includes the ability to connect choices, actions and consequences to ethical decision-making.
- **Social Responsibility**, which includes intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.

**TSU Core  
Curriculum  
Effective, 2018**

Component Area	SCH Required	Courses	TCCNS Equivalent
Communication	6	· ENG 131 (3) and ENG 132 (3)	ENGL 1301 and ENGL 1302
Mathematics	3	· MATH 132, MATH 133, MATH 135, or MATH 136	MATH 1332, MATH 1314, MATH 1324, or MATH 2312 respectively
Life and Physical Sciences	6	<b>Six hours from the following courses (depending on MAJOR):</b> · CHEM 131 (3) · BIOL 143 (3) · CHEM 132 (3) · BIOL 135 (3) · GEOL 141 (3) · PHYS 101 (3) · PHYS 237 (3) · PHYS 238 (3) · PHYS 251 (3)	CHEM 1311 BIOL 1308  CHEM 1312 BIOL 2301 GEOL 1303 PHYS 1315 PHYS 1301 PHYS 1302 PHYS 2325
Language, Philosophy & Culture	3	<b>One from the following courses:</b> · ENG 230 (3) · ENG 231 (3) · ENG 235 (3) · ENG 244 (3)	ENGL 2332 ENGL 2333 ENGL 2326 ENGL 2328
Creative Arts	3	<b>One from the following courses:</b> · MUSI 136 (3) · MUSI 239 (3) · THEA 130 (3) · ART 135 (3) · ART 137 (3)	MUSI 1306 HUMA 1315 DRAM 1310 ARTS 1301 HUMA 2323
American History	6	· HIST 231 (3) and HIST 232 (3)	HIST 1301 and HIST 1302
Government/Political Science	6	· POLS 235 (3) and POLS 236 (3)	GOVT 2305 and GOVT 2306
Social and Behavioral Sciences	3	<b>One from the following courses:</b> · ECON 231 (3) · ECON 232 (3) · SOC 157 (3) · SOC 158 (3) · SOC 221 (3) · SOC 238(3) · GEOG 132 (3) · PSY 131 (3)	ECON 2301 ECON 2302 SOCI 1301 SOCI 1306 SOCI 2306 ANTH 2346 GEOG 1303 PSYC 2301

<b>Institutional Options</b>	<b>3</b>	<b>Speech Communication:</b> <ul style="list-style-type: none"> <li>· SC 135 (3) or SC 136 (3)</li> </ul>	SPCH 1321 or SPCH 1315
	<b>3</b>	<b>And either one Computer Science:</b> <ul style="list-style-type: none"> <li>· CS 116 (3) or</li> <li>· MIS 204 (3) (School of Business), or</li> <li>· EDCI 210 (3) (School of Education)</li> </ul> <b>Or, one additional course from the Math, Science, English, Fine Arts, or Social Science courses listed above.</b>	COSC 1301 BCIS 1305 COSC 1301
<b>Total</b>	<b>42</b>		

## GRADUATION REQUIREMENTS

### General Requirements for Undergraduate Degrees

It is the student's responsibility to plan his or her program with the assistance of a University advisor and to register for the proper courses so that all requirements will have been satisfied by the time for graduation.

All University advisors of undergraduate students are expected to review each advisee's registration respective to his or her curriculum of study. This review will ensure that courses are taken in proper sequence. All students who are to be classified as juniors must have successfully completed all traditional freshman and sophomore courses in their respective curricula, i.e., courses ordinarily in the 100 and 200 series that are normally taken by freshmen and sophomores.

### General Policies and Procedures for Graduation

1. Degrees will be conferred only on dates that are publicly announced.
2. Application for graduation must be filed within the time period listed in the University calendar. The application form is secured through the office of the student's major department.
3. All candidates for degrees are expected to attend the convocation at which their degrees are to be conferred unless excused by their respective deans.
4. To receive an undergraduate degree, a candidate must complete a major and a minor or a composite major.
5. Reasonable and logical substitutions for required courses may be made within a department or area. Substitutions must be authorized by the student's academic advisor and the head of the student's major department and approved by the dean of the college or school in which he or she is enrolled. Students must submit a petition for substitution with their graduation application or as deficiencies are exposed at least two weeks before their intended graduation date.
6. **Not more than thirty (30) semester hours of course credit offered toward a degree may be earned through extension with no more than twelve (12) of these credits earned through correspondence courses (provided these 12 credits have been approved by the appropriate dean). Overall, at least twenty-five percent (25%) of the semester credit hours needed for degree conferral must be earned at the University.**
7. **A graduation fee is required, and students must purchase academic regalia for participation in the graduation convocation through the University Bookstore.**

### Semester Hours and Quality Point Requirements for Graduation

1. A minimum of **120 credit hours** of college credit must be completed for an undergraduate degree.
2. A student must earn a quality point average or GPA of at least 2.00 for all college courses attempted.
3. A student must have grades of **"C" or better in all courses taken to fulfill the major requirements.**

### Graduating Under a Given Bulletin

A student may expect to earn a degree in accordance with the requirements of the curriculum outlined in the bulletin in force when he or she first entered the University, provided the courses are being offered. He or she must complete these requirements within six years. In addition, he or she may graduate under any subsequent bulletin published while he or she is a student. If a student elects to meet the requirements of a bulletin other than the one in force at the time of his or her initial enrollment, he or she must meet all requirements of the bulletin he or she selects. The University reserves the right to impose changes in academic requirements upon any student in residence.

### Residence Requirement

**A candidate for graduation must earn, in residence, the last thirty (30) semester hours that are offered for the degree. Some instructional units have additional residency requirements.** A transfer student from another institution must (1) spend at least two semesters in full-time residence work; (2) secure credit in residence for at least 12 semester hours of upper division courses in his or her major and six hours of upper division courses in his or her minor or 18 semester credit hours at the junior/senior level for a composite major.



## Application for Intent to Graduate

### Procedures for filing an application for intent to graduate:

1. The student must file an Intent to Graduate form with his/her major department the semester prior to his/her anticipated date of graduation.
2. During the semester prior to commencement selected by the student, the department will certify in writing to the academic dean and Office of the Registrar that the student has (a) completed all requirements, (b) that the student is enrolled in his/ her last hours of work or will register for his/her last hours of work next semester and (c) that all requirements will be met prior to commencement.
3. Once the student's Intent to Graduate has been verified, the student will be encouraged to apply for graduation in the next semester. The academic department will issue the "Intent to Graduate" application form to the student.

## Application for Graduation

A student expecting to graduate must file an application for graduation. The student should be within 30 hours of completion of the required hours for graduation and should file the application before the semester in which he or she intends to graduate. The filing deadline is printed each semester in the schedule of courses. Prior to applying for graduation, the student should review his or her academic records and his or her online degree audit, which matches completed coursework against listed degree requirements, with an academic advisor to verify he or she is eligible to apply for graduation. The student should then obtain an application with instructions for completion from his or her major department. Each applicant must submit a printed degree audit along with the completed application for graduation.

**Students should keep their graduation filing fee receipts. These receipts must be presented at the time caps and gowns are purchased at the University Bookstore.**

## Financial Clearance

Students who are indebted to the University will not be allowed to participate in commencement exercises. Such obligations include traffic and parking fines, library fines, housing fees, and any miscellaneous fees. Students who are not sure about the status of their indebtedness should check with the Bursar's Office prior to final examinations. If there is a dispute concerning payment of a bill, receipts should be presented to verify payment.

## Graduation Fees

Graduation fees are subject to change. They are due and payable at the time of one's application for graduation. Invitations are optional and may be ordered through the University Bookstore one month or more prior to commencement. These fees do not include the purchase of cap and gown or rental fee. Caps and gowns are also ordered through the University Bookstore.

	Doctoral	Law	Master's	Bachelor's	Pharmacy
Microfilm Service	\$40.00				
Postage & Handling	\$10.00				
Diploma Fee	\$50.00	\$50.00	\$50.00	\$50.00	\$50.00
Cap, Gown, Hood	Please contact the Bookstore for purchase and rental fees – 713-313-7030				

## Graduation with Honors

1. Special honors in three grades are awarded in recognition of superior scholarship in the work leading to the bachelor's degree. These honors are awarded at commencement and are shown on the diplomas of the recipients.
2. To be eligible for graduation honors, a student must have completed (exclusive of correspondence and extension work) at least 60 semester hours in the upper division of the University. The quality point average which shall be used for awarding graduation honors shall be the smaller of the following two quality point averages:
  - a. **The quality point average for all work taken in all colleges attended.**
  - b. **The quality point average for all work taken at Texas Southern University.**
3. The three grades of honors and the quality point averages for each are as follows:
  - a. **Summa Cum Laude** is awarded to the candidate for graduation whose quality point average is 3.75 or above.
  - b. **Magna Cum Laude** is awarded to the candidate for graduation whose quality point average is between 3.50 and 3.74 inclusive.
  - c. **Cum Laude** is awarded to the candidate for graduation whose quality point average is between 3.25 and 3.49 inclusive

## Commencement

Commencement exercises are held each year in May and December for students who qualify for graduation from Texas Southern University. All such students are expected to participate in one of these two exercises as appropriate. Juris Doctor and graduate students who are within six hours of completing their degree requirements and/or completion of required examination, and Doctor of Pharmacy students who are within two advanced pharmacy practice experiences (APPEs) and/or completion of required examination are eligible to participate in May commencement. Undergraduate students must be enrolled in the last hours (courses) required to earn the degree to participate during the May or December exercises. Undergraduate students completing all requirements in August of an academic year will participate in the December exercise.

Commencement is a solemn and special occasion in the lives of students, and they are expected to behave in a manner commensurate with the magnitude of the occasion. While attending commencement exercises, students and their guests are expected to maintain decorum that is reasonable and befitting of a public event of special significance. Because commencement exercises are formal events, graduates are expected to abide by the University's policy on appropriate attire that is announced in advance of the ceremonies, including no decorations on the mortarboard or bling on shoes, etc.

## DUAL DEGREE AND DOUBLE MAJOR POLICY

### Dual Degree Policy

Dual degrees can be applied for and earned by students interested in fulfilling requirements of two different majors in two different baccalaureate degree (e.g., B.A., B.S., B.B.A.) programs (e.g., a student fulfilling requirements for a B.S. in mathematics and a B.A. in psychology).

**Students should plan to graduate from the two degree programs simultaneously and must identify one of the two majors as the primary major, the choice of primary major will determine the students' academic home of record and graduation-related activities.** The University Core Curriculum Requirement and Other Requirement courses may apply towards the first and second majors. Approved students who complete requirements for two majors in two different degree programs may earn two (2) separate degrees from the University.

Students with two majors must follow any application procedures and meet admission requirements that have been established for both majors. In addition, students with two majors must pay applicable major-related fees\* for both fields and are encouraged to use the advising and student services provided by both majors. Decisions about admission to programs, honors, scholastic probation, and dismissal are independently determined by the two Schools or Colleges. A student who chooses to pursue two majors simultaneously is expected to take responsibility for his or her educational development.

Major	Core Curriculum Requirements	Major Curriculum Requirements	Minor Requirements (if required)	Other Requirements	Total Number of SCH
Primary Major	Required: 42 SCH	Minimum of 30 SCH as required by the primary major	As required by the department offering the minor**	As required by the primary major	Minimum of 120 SCH
Secondary Major	N/A	Minimum of 30 SCH as required by the secondary major	N/A	N/A	Minimum of 30 SCH

\* Students should be advised that Financial Aid will support only up to 180 credit hours of coursework.

\*\* Courses required by the secondary major may be used to satisfy the minor requirements if the courses are also required by the minor.

### Double Major Policy

Double majors can be applied for and earned by students interested in fulfilling requirements of two different majors (e.g., Journalism and Organizational Communication) that are either within the same discipline (e.g., communication) or of two different majors within the same baccalaureate degree (e.g., B.A., B.S., B.B.A.) program (e.g. a student fulfilling requirements for a B.S. in mathematics and a B.S. in elementary education).

**Students should plan to graduate from the two majors simultaneously and must identify one of the two majors as the primary major, the primary major will determine the students' academic home of record and graduation-related activities.** The University Core Curriculum Requirement and Other Requirement courses may apply towards the first and second majors. Approved students who complete requirements for two majors may earn one (1) degree from the University that lists both majors. Students with two majors must follow any application procedures and meet admission requirements that have been established for both majors. In addition, students with two majors must pay applicable major-related fees for both fields and are encouraged to use the advising and student services provided by both majors.

Decisions about admission to programs, honors, scholastic probation, and dismissal are independently determined by the two schools or colleges. A student who chooses to pursue two majors simultaneously is expected to take responsibility for his or her educational development.

Major	Core Curriculum Requirements	Major Curriculum Requirements	Minor Requirements	Other Requirements	Total Number of SCH
Primary Major	Required: 42 SCH	Minimum of 30 SCH as required by the primary major	As required by the department offering the minor **	As required by the primary major	Minimum of 120 SCH
Secondary Major	N/A	Minimum of 30 SCH as required by the secondary major	N/A	N/A	Minimum of 30 SCH

\* Students should be advised that Financial Aid will support only up to 180 credit hours of coursework.

\*\* Courses required by the secondary major may be used to satisfy the minor requirements if the courses are also required by the minor.

## POST-BACCALAUREATE DEGREE POLICY

### Post-Baccalaureate Degree Policy

A student who has received a bachelor's degree from Texas Southern University or another accredited college or university may enroll in a program leading to a second degree at the baccalaureate level provided (1) the field of study is different from the first degree earned and (2) the appropriate application for admission or re-admission is filed and approved. No honors are awarded for the second baccalaureate degree.

Students seeking a second baccalaureate degree after receiving the first degree must:

1. Be in residence for a minimum of two (2) semesters as a full-time student if the first or previous degree was not earned at Texas Southern University.
2. Complete no less than thirty (30) semester hours that satisfy the requirements for the field of study of the second degree. These hours should be beyond those applied to the first or previous degree and excluding transfer credits or substitutions and complying with requirements.
3. Achieve a cumulative minimum grade point average of 2.00 for all hours attempted for the degree.

Core Curriculum Requirements	Major Curriculum Requirements	Minor Requirements	Other Requirements
N/A	All courses required by the major field of study.(No less than 30 semester hours)	N/A	N/A

## GENERATION OF STUDENT TRANSCRIPTS

### What is an official transcript?

An official transcript is the University's certified document of your academic record. The official transcript includes all levels of study (undergraduate, graduate, and professional). Official transcripts are printed on security paper. Transcripts contain confidential information and are released only in accordance with the Family Educational Rights and Privacy Act of 1974 (FERPA). For your protection, we will not release an official transcript without your signature. (Transcripts may not be re-disclosed without written permission from the student with the exception of a court ordered subpoena.)

Before an official transcript can be released, all admissions requirements, fiscal and financial aid obligations to the university must be met.

### Transcript and Delivery Options

The Transcript division of the Office of the Registrar produces only official transcripts. Official Texas Southern University transcripts will either be printed on watermark security paper with the University Seal and the signature of the University Registrar, or transmitted via Electronic Data Interchange (EDI) through the National Student Clearinghouse (Effective Fall 2016). **Students who were enrolled prior to Fall 1987 at Texas Southern University may only obtain an official transcript on watermark security paper.** Official transcripts may be picked-up, mailed, and electronic delivered.

### Pick-up

Go to the Student Accounting Department to make a payment of \$5.00 per transcript (includes all levels of course work). Go to the Registrar's Office counter located on the second floor of the Bell Building to submit your proof of payment and to complete your transcript request form(s). Photo ID is required.

If another person is picking up your transcript, you must fax to (713-313-1878) or scan to (transcripts@tsu.edu) a signed statement authorizing us to release your transcript and name of the individual. We will ask for a photo ID and will **not accept a not brought in by the person picking up the transcript.**

### Mail

You may write a letter or use the Transcript Request Form. Please include the following with your transcript request form:

- Name
- Date of birth
- Student I.D. number or last four numbers of your Social Security
- Your current address
- Address where transcript is to be mailed
- Your signature
- Check or money order for \$5.00 per transcript made out to Texas Southern University

### Online

- Select "**Order Transcripts on the Web.**"
- Select "Current" or "Former" student and follow the detailed instructions.
- The price of a transcript set (set includes all levels of course work)
- Payable by VISA, MasterCard or Discover.

### Delivery options

- US Mail-Sent via the United State Postal Service first class mail
- PDF transcript delivery is an official Texas Southern University transcript delivered electronically over a secure network to the email address you designate as the recipient.

## RIGHT TO PRIVACY

### Notification of Rights under the Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) afford eligible students certain rights with respect to their education records. (An “eligible student” under FERPA is a student who is 18 years of age or older or who attends a postsecondary institution.) These rights include:

1. The right to inspect and review the student’s education records within 45 days after the day Texas Southern University (“University”)] receives a request for access. A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student’s education records that the student believes is inaccurate, misleading, or otherwise in violation of the student’s privacy rights under FERPA.

A student who wishes to ask the University to amend a record should write the University official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

If the University decides not to amend the record as requested, the University will notify the student in writing of the decision and the student’s right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before the University discloses personally identifiable information (PII) from the student’s education records, except to the extent that FERPA authorizes disclosure without consent.

The University discloses education records without a student’s prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A University official is a person employed by Texas Southern University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of regents; or a student serving on an official committee, such as a disciplinary or grievance committee. A University official also may include a volunteer or contractor outside of Texas Southern University who performs an institutional service or function for which the University would otherwise use its own employees and who is under the direct control of the University with respect to the use and maintenance of personal identifiable information (PII) from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another University official in performing his or her tasks. A University official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for Texas Southern University.

Upon request, the University also discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Texas Southern University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

**Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, SW  
Washington, DC 20202**

At its discretion, Texas Southern University may provide “directory information” to the general public without the student’s consent. “Directory information” is defined by the Family Educational Rights and Privacy Act (FERPA) and the University as follows: name, address, telephone number, major and minor fields of study, e-mail address, date and place of birth, degrees/awards received, dates of attendance, participation in officially recognized sports and activities, most recent previous educational institution attended, height/ weight (athletes only), enrollment status, certificates, type of award received, grade level, and photograph.



If a student does not want “directory information” regarding him or her to be released, the student must notify the Office of the Registrar, E. O. Bell Hall, 3100 Cleburne Avenue, Houston, TX 77004, in writing or by completing the Request to Withhold Public Information form, during the first twelve (12) days of class during a regular semester (fall or spring) or the first four (4) days of class during a summer term, to ensure that information is not released by the university or published in the Student Directory. Students are responsible for requesting the release of their information once a request for withholding “directory information” has been placed on record. FERPA permits the disclosure of PII from students’ education records, without consent of the student, if the disclosure meets certain conditions found in §99.31 of the FERPA regulations. Except for disclosures to school officials, disclosures related to some judicial orders or lawfully issued subpoenas, disclosures of directory information, and disclosures to the student, §99.32 of FERPA regulations requires the institution to record the disclosure. Eligible students have a right to inspect and review the record of disclosures. A postsecondary institution may disclose PII from the education records without obtaining prior written consent of the student:

To other University officials, including teachers, within Texas Southern University whom the University has determined to have legitimate educational interests. This includes contractors, consultants, volunteers, or other parties to whom the school has outsourced institutional services or functions, provided that the conditions listed in §99.31(a)(1)(i)(B)(1) - (a)(1)(i)(B)(2) are met. (§99.31(a)(1))

To officials of another school where the student seeks or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student’s enrollment or transfer, subject to the requirements of §99.34. (§99.31(a)(2))

To authorized representatives of the U. S. Comptroller General, the U. S. Attorney General, the U.S. Secretary of Education, or State and local educational authorities, such as a State postsecondary authority that is responsible for supervising the university’s State-supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of Federal- or State-supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. (§§99.31(a)(3) and 99.35)

In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid. (§99.31(a)(4))

To organizations conducting studies for, or on behalf of, the University, in order to:

- (a) develop, validate, or administer predictive tests;
- (b) administer student aid programs; or
- (c) improve instruction. (§99.31(a)(6))

To accrediting organizations to carry out their accrediting functions. (§99.31(a)(7))

To parents of an eligible student if the student is a dependent for IRS tax purposes. (§99.31(a)(8))

To comply with a judicial order or lawfully issued subpoena. (§99.31(a)(9))

To appropriate officials in connection with a health or safety emergency, subject to §99.36. (§99.31(a)(10))

Information the University has designated as “directory information” under §99.37. (§99.31(a)(11))

To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of §99.39.

The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§99.31(a)(13))

To the general public, the final results of a disciplinary proceeding, subject to the requirements of §99.39, if the University determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of the school’s rules or policies with respect to the allegation made against him or her. (§99.31(a)(14))

To parents of a student regarding the student's violation of any Federal, State, or local law, or of any rule or policy of the school, governing the use or possession of alcohol or a controlled substance if the school determines the student committed a disciplinary violation and the student is under the age of 21. (§99.31(a)(15))

## FEES AND EXPENSES

### Resident Status

Students enrolled at the University can be classified as resident, nonresident, or foreign. All students attending Texas Southern University who are nonresidents of this state will be charged additional tuition in accordance with state law. The burden of registering under proper resident status is the responsibility of the student. Nonresidents are persons who are residing in the State of Texas fewer than twelve (12) months immediately preceding their initial registration.

A request for a change of resident status for tuition purposes should be made as soon as the student has met the requirements for residency change, but no later than the 4th class day for a summer session or the 12th class day for a fall or spring semester. Changes made after the 4th/12th class day will apply only for future semesters. All required documents must accompany the Residency Application form, which is available in the Office of the Registrar on the second floor of Bell Hall.

The determination of resident classification for tuition purposes is governed by statutes enacted by the Texas Legislature and by rules and regulations promulgated by the Texas Higher Education Coordinating Board. These regulations may be reviewed in the Robert J. Terry University Library in the Reserved Area.

### Required Residency Documentation

The Texas Higher Education Coordinating Board requires that Texas Southern University document each student's residency. In order to apply for Texas residency status for tuition purposes, one must be either a U.S. citizen or permanent resident. The following documents indicating that the student has resided in the State of Texas for 12 continuous months prior to registration may be **REQUIRED**:

### Documentation To Support Domicile And Residency

The following documentation may be requested by the institution in order to resolve issues raised by responses to the Core Residency Questions. The listed documents may be used to establish that the person is domiciled in Texas and has maintained a residence in Texas continuously for 12 months prior to the census date.

**PART A:** Documentation That Can Support the Establishment of a Domicile and Demonstrate the Maintenance of a Residence in Texas for 12 Months.

An employer's statement of dates of employment (beginning and current or ending dates) that encompass at least 12 months. Other documents that show the person has been engaged in activities intended to provide an income to a person or allow a person to avoid the expense of paying another person to perform the tasks (as in child care or the maintenance of a home) may also be used, as well as documents that show the person is self-employed or employed as a homemaker, or is living off his/her earnings or through public assistance. Student employment such as work-study and the receipt of stipends, fellowships or research or teaching assistantships does not qualify as a basis for establishing a domicile.

For a homeless person, written statements from the office of one or more social service agencies located in Texas that attest to the provision of services to the homeless person for the 12 months prior to the census date of the term in which the person enrolls.

**PART B:** Documentation Which (if accomplished and maintained for the 12 months prior to the census date of the term in which the person enrolls and if accompanied by at least ONE type of document listed in Part C) Can Support the Establishment of a Domicile and Demonstrate the Maintenance of a Residence in Texas for 12 Months

Title to real property in Texas and reflect the ownership interest of the person or dependent's parent.  
Marriage certificate with documentation to support that spouse is a domiciliary of Texas.

Ownership of business in Texas with documents that evidence the organization or the business as a partnership or corporation.  
State or local licenses to conduct a business or practice a profession in this state.

### **PART C: Documents That May Be Used to Demonstrate Maintenance of a Residence for 12 Months**

These documents do not show the establishment of a domicile. They only support a person's claim to have resided in the state for at least 12 months. Activities in Part A and B of this Chart may be used to establish a domicile.

Utility bills for the 12 months preceding the census date

A Texas high school transcript for a full senior year of attendance preceding the census date

A transcript from a Texas institution showing presence in the state for the 12 months preceding the census date

A Texas driver's license or Texas ID card with an expiration date of not more than four years

Cancelled checks that reflect a Texas residence for the 12 months preceding the census date

A current credit report that documents the length and place of residence of the person or the dependent's parent

Texas voter registration card that has not expired

Pay stubs for the 12 months preceding the census date

Bank statements reflecting a Texas address for the 12 months preceding the census date

Ownership of real property with copies of utility bills for the 12 months preceding the census date

Registration or verification from licensor, showing Texas address for licensee

Written statements from the office of one or more social service agencies, attesting to the provision of services for at least the 12 months preceding the census date

Lease or rental of real property, other than campus housing, in the name of the person or the dependent's parent for the 12 months preceding the census date

Photocopies of the above items are required with the completed application. Students who do not provide required documentation will be charged nonresident tuition.

If there is a question of a student's legal resident status under state law and University rules, it is the duty of the student to obtain an opinion from the Student Resident Status Advisor prior to registration. Any attempt on the part of the nonresident to evade the nonresident fee will be taken seriously and may lead to expulsion. Nonresident students are given official notice of their nonresident classification at the time of admission. A student who is classified as a nonresident but who pays the resident fee at any subsequent registration after he or she has been officially advised in writing of nonresident status will receive a penalty of loss of credit.

### **Tuition and Fees**

The University reserves the right to adjust fees without prior notice. A list of tuition and regular fees to be paid by all students enrolled for any semester hours is available through the Office of Student Accounting. In addition to these fees, one should add estimates of special laboratory fees and the cost of books and supplies to arrive at an approximate total amount needed at the time of registration.

All payments to the University should be made by cash, credit card, cashier's check, money order, or personal check and made payable to Texas Southern University. Personal checks will not be accepted for any amount in excess of the total amount due. Postdated checks will not be accepted. There will be a \$25.00 charge for each check returned for any reason. Temporary checks are unacceptable.

**Statutory Tuition.** Statutory tuition is assessed to all registered students and the charge is authorized under Texas Education Code (TEC) §54.051 in an amount determined by the Texas Legislature for resident or nonresident students. Information on specific rates may be secured from the Office of Student Accounting.

**Designated Tuition.** Designated tuition is assessed to all registered students and is used to construct, equip, repair, and renovate buildings and facilities.

**Student Service Fee.** The Student Service Fee is assessed to all registered students and is used to support certain extracurricular activities, such as student publications, special cultural programs, the marching band, and the athletic programs. This fee also provides for general health counseling, minor medication, and treatment in the Student Health Center. It does not include special medicines, dental care, treatment by specialists, or hospitalization. The amount of the fee depends on the number of credit hours for which the student is enrolled, and it is charged to all students enrolled at the University during a regular semester.

Students enrolled for 12 or more credit hours in each of both semesters of a school year are entitled to receive one copy of the University annual. Students enrolled full-time for only one semester may also receive the annual by paying an additional fee.

**Student Center Fee.** The Student Center Fee is assessed to all registered students and is used for operating, maintaining, improving, and equipping the Student Center and acquiring or constructing additions to the Student Center.

**Library Service Fee.** The Library Service Fee is assessed to all registered students and is used for operating, maintaining, improving, and equipping the Robert J. Terry Library and for providing library services to students.

**International Education Fee.** The International Education Fee is assessed to all registered students and issued to assist students participating in international student exchange or study programs in accordance with guidelines jointly developed by the student governing body and University administration.

**Recreational Facility Fee.** The Recreational Facility Fee is assessed to all registered students and is used for constructing, operating, maintaining and equipping the recreational facilities and programs.

**Intercollegiate Athletics Fee.** The Intercollegiate Athletics Fee is assessed to all registered students and is used to develop and maintain an intercollegiate athletics program at the University.

**Medical Service Fee.** The Medical Service Fee is assessed to all registered students and is used for operating, maintaining, improving, and equipping the medical service facility; acquiring and constructing additions to the medical service facility and providing medical services to students.

**Computer Service Fee.** The Computer Service Fee is assessed to all registered students and is used to help support the provision of computer services to students.

**School Fee.** The School Fee is assessed by each college or school to all registered students enrolled in its component major programs in order to support administrative costs.

**Late Registration Fee.** Texas Southern University reserves the right to conduct registration according to students' last name, major area, or any other delimiting factor. Students are required to register at the time indicated by the class schedule. Failure to complete registration on the date specified, but before the absolute deadline, may result in a late fee assessment.

**Drop/Add Fee.** A student making a course change or changes after payment of initial tuition and fees may be charged for each change.

**Installment Handling Fees.** Tuition and fees during the fall and spring semesters may be paid by one of two options:

Full payment of tuition and fees by the twentieth day of class or

One-half payment of tuition and fees by the twentieth day of class, one-fourth by the start of the sixth week, and one-fourth by the start of the eleventh week.

Students electing to pay their tuition and fees on the installment plan will be assessed a handling fee for the payment plan. Students are also assessed a fee for each delinquent payment. These fees are nonrefundable.

A student who fails to make full payment or a first installment payment of tuition and fees, including any incidental fees, by the due date may be barred from classes until full payment is made. A student who fails to make full payment prior to the end of the semester may not receive credit for the work done that semester.

**Late Payment Fee.** A student who fails to make full payment of tuition and fees, or does not have a financial aid deferment by the posted deadline will be assessed a late payment fee.

**Laboratory Fee.** Fees are assessed for studio and laboratory courses in the following academic disciplines: art, biology, chemistry, education, geology, human services and consumer sciences, music, pharmacy, human performance, physics, and technology.

**SEVIS International Fee.** International students are required to pay an administration fee for University compliance with the federal student exchange system.

**Orientation Fee.** First-time students are required to pay a fee for the orientation program and related activities.

**Health Insurance.** All international students will be assessed a fee for health insurance coverage. Students must provide verification of satisfactory health insurance coverage for the enrollment term to have the fee waived.

**Room and Board.** Residence hall occupants will be required to sign a Housing-Food Service Contract for the entire academic year before being admitted to the facilities. The Housing-Food Services Contract is personal and may not be transferred or assigned to another person. Any violator will be subject to immediate disciplinary action. Room and Board charges are assessed on an annual basis.

**Parking Fee.** Students who need to park vehicles in designated student lots on the campus must pay for parking decals to attach to their vehicles. These decals will indicate the parking lot. This fee is assessed on a semester or term basis. Refunds for parking fees must be applied for separately through the Department of Public Safety.

**Other Fee(s).** Other fees, not specified in this section, may be charged by colleges, schools, departments, or other offices at the University. Students will be apprised of these fees and their designated purposes at the time that they are incurred.

## REGULATIONS GOVERNING REFUNDS

### Dropped Courses

Any student who drops a course(s) within the first twelve (12) days of a fall or spring semester or within the first four (4) days of a summer term and remains enrolled in the University will receive refunds applicable to tuition paid for those courses.

### Withdrawals

Refunds for courses enrolled in during a fall or spring semester by a student who officially withdraws from the University are calculated according to the following percentage schedule:

- |   |                                 |      |
|---|---------------------------------|------|
| • | Prior to the first day          | 100% |
| • | During the first week of class  | 80%  |
| • | During the second week of class | 70%  |
| • | During the third week of class  | 50%  |

- During the fourth week of class 25%
- After the fourth week of class 0%

Refunds for courses enrolled in during a summer term by a student who officially withdraws from the University are calculated according to the following percentage schedule:

- Prior to the first day 100%
- During the first, second, or third class day 80%
- During the fourth, fifth, or sixth class day 50%
- Seventh day of class and thereafter 0%

The refundable charges assessed at registration are tuition and applicable fees. Refunds of tuition and fees are calculated based upon the total amount of these fees assessed at registration and not on the basis of the amount of the total that has been paid if a student is paying on an installment basis.

Students who pay fees through financial aid/assistance (including Federal loans/grants) will receive refunds only if the Office of Student Financial Assistance determines that refunds are due.

Students who register for courses that are either paid for directly or paid through the use of financial aid/assistance are considered enrolled at the University until they officially withdraw through the Office of the University Registrar. Ceasing to attend classes or stopping payment of checks for fees owed without officially withdrawing from the University will result in semester grades of “F”. Thus, any remaining balance owed to the University by a student who ceases to attend classes, but who does not officially withdraw through the Office of the University Registrar, is still due and NOT subject to reduction.

### **Refund of Room and Board Fees**

Dormitory residents are required to sign a Housing Food Service Contract for the entire academic year. The University’s policy concerning refunds associated with room and board fees is stated in the contract. Where refunds are applicable, application for such refunds must be made within one year after official withdrawal.

### **Refund of Graduation Fees**

Graduation fees cannot be transferred to another graduation period. Applications for refunds of the May diploma fee must be made in writing at the Bursar’s Office prior to March 1. No other refunds shall be granted. Summer graduates have no refund grace period in as much as orders are placed immediately upon receipt of their applications for graduation.

### **Financial Obligations**

Persons who are indebted to the University in any amount may not be permitted to graduate, receive transcripts, re-enroll at the University, or receive any refunds.

## **TUITION REBATE PROGRAM FOR UNDERGRADUATES**

In accord with Section 54.0065 of the Texas Education Code, as authorized by Texas Senate Bill 1907, Texas Southern University provides tuition rebates of \$1000.00 each to undergraduates who complete baccalaureate degrees with no more than three semester credit hours attempted in excess of the minimum required for the major specified in the university bulletin under which they graduated. Specifically, a student qualifying for this rebate must meet the following conditions as set forth in the Texas Education Code:



- The student took his or her first college course in Fall 1997 or later,
- The student was a Texas resident at all times while pursuing his or her degree,
- The student was entitled to pay resident tuition at all times while pursuing his or her degree,
- The student not yet graduated, and
- The student has not attempted more than three semester credit hours in excess of the minimum number of hours required for his or her degree. Hours attempted include for-credit developmental courses, repeated courses, courses dropped after the official census date,

transfer credits, course credit by examination, and internship and cooperative education courses. Course dropped for reasons that the University determines to be totally beyond the student's control shall not count toward these attempted hours. Students meeting the criteria referenced above who wish to take advantage of this program must complete a rebate application form and submit it to the Registrar's Office prior to graduation from Texas Southern University.

## **TYPES OF FINANCIAL AID AND ASSISTANCE**

### **Pell Grant Program (Basic Educational Opportunity Grant)**

The Federal Pell Grant is a federal program designed to assist students in pursuing their first baccalaureate degree. Students apply for a Pell Grant by completing and submitting the U.S. Department of Education's Federal Application for Federal Student Aid (FAFSA), preferably through online submission at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). The student will receive an electronic e-mail response with instructions for viewing the FAFSA. He should immediately access the application, review it, and then correct any errors with the U.S. Department of Education. The Pell Grant award amounts are calculated once all student data is complete and verified.

Awards depend on the expected family contribution, the amount of semester hours the student is enrolled in, the expected family contribution, and the number of semesters for which the student enrolls. Students who already have a baccalaureate degree from any country are not eligible. **Students must be permanent residents or U.S. citizens to be eligible for the Federal Pell Grant. International students seeking their first undergraduate degrees are not eligible, nor are early-admit high school students.**

### **Federal Supplemental Educational Opportunity Grant (FSEOG)**

The Federal Supplemental Educational Opportunity Grant (FSEOG) is a federal grant for students that have not received a baccalaureate degree and who are eligible to receive a Federal Pell Grant and demonstrate financial need according to federal methodology. Students must be enrolled at least half time to be considered. Students with the highest need will be given priority for the Federal SEOG program.

### **Texas Public Education Grant (TPEG)**

The Texas Public Education Grant is a state grant for resident and nonresident students with established financial need according to federal guidelines. Students must be enrolled at least half time to be considered.

### **Texas Grant**

The Texas Grant requires the receipt of an official high school transcript indicating that the student graduated in the recommended or distinguished curriculum, foundational or International Baccalaureate. The student must (1) be a Texas resident, (2) have an expected family contribution under \$5906, (3) register in a minimum of 12 hours per semester, and (4) not have graduated from high school prior to 1989. Continuing students must meet the state mandated satisfactory academic progress requirements. Complete grant information may be obtained at [www.collegefortexans.org](http://www.collegefortexans.org).

### **TEACH Grant**

The Teacher Education Assistance for College and Higher Education (TEACH) Grant Program provides grants of up to \$4,000 per year to students who intend to teach in a public or private elementary or secondary school that serves students from low-

income families. In exchange for receiving a TEACH Grant, students must agree to serve as a full-time teacher in a high-need field in a public or private elementary or secondary school that serves low-income students. Recipients of a TEACH Grant must teach for at least four academic years within eight calendar years of completing the subsidized program of study. Complete grant information and program requirements are published on the Federal Student Aid Web site at <http://teachgrant.ed.gov>.

To receive the TEACH Grant, a student must meet the following criteria:

- Complete the Free Application for Federal Student Aid (FAFSA). Demonstrated financial need is not needed.
- Be a U.S. citizen or eligible noncitizen.
- Be enrolled as an undergraduate, post-baccalaureate, or graduate student in a postsecondary educational institution that has chosen to participate in the TEACH Grant Program.
- Be enrolled in coursework that is necessary to begin a career in teaching or plan to complete such coursework. Such coursework may include subject area courses (e.g., math courses for a student who intends to be a mathematics teacher).
- Meet certain academic achievement requirements (generally, scoring above the 75th percentile on a college admissions test or maintaining a cumulative GPA of at least 3.25).
- Sign a TEACH Grant Agreement to Serve.

As other grant programs become available at the University, students should directly contact the Office of Student Financial Assistance for pertinent information.

### **Federal Work-Study Program**

The Federal Work-Study Program provides part-time employment opportunities for resident and nonresident students with established financial need according to federal guidelines. These funds, however, are not available to international students or to high school students who have gained early admission to the University. Students may work not work over 20 hours each week. Students must attend a mandatory orientation prior to placement starting to work. Students may contact the Support and Academic units within the University to determine availability of employment opportunities. Generally, a student may explore opportunities that meet the student's academic interest, skills, and work preference. Students are paid at a rate above the national minimum wage as approved by the University at the time that eligibility is established.

### **Loans**

Federal Direct Loans are low-interest loans for students and parents to help pay for the cost of a student's education after high school. The lender is the U.S. Department of Education, though the entity servicing the loan may be a private business. With Federal Direct Loans, the student borrows directly from the federal government and has a single contact, his or her loan servicer, for everything related to repayment. If the student receives Direct Loans at different schools, they may have multiple servicers. Students aggregate loan histories are available through the national repository, the National Student Loan Database which houses a comprehensive history of all Federal Loans borrowed from an eligible Title IV institution. Federal Unsubsidized and Plus loans are available to students that may not qualify for more restrictive aid programs based solely on need. Federal Unsubsidized and Plus loans can be used to replace the expected family contribution. The loans may be awarded up to the total cost of attendance minus any other aid programs. Federal Direct Plus Loans are available to parent and graduate borrowers who do not have an adverse credit history. Students must be permanent residents or U.S. citizens to be eligible for the Federal Direct Loan Programs. The loan programs are not available to international students or to high school students who have gained early admission to the University.

### **Scholarships**

The Scholarship Application is available at <http://em.tsu.edu/financialaid/scholarships/index.php> or by contacting the Scholarship Office, located in the West Garage on the corner of Ennis and Blodgett adjacent to the Welcome Center. The application should be completed and returned to the Scholarship Office with all supporting information a prior to March 15th for priority consideration. Once the application is received, the applicant is considered for all available scholarships by the Scholarship Committee, which resides within the Office of Student Financial Assistance. The deadline for receipt of scholarship applications is determined annually by the Scholarship Office.

Prospective students may wish to address certain offices or departments for scholarship assistance.

Outstanding high school students who have been newly admitted to the University are encouraged to apply for scholarships through the Thomas Freeman Honors Program, as referenced earlier, at the time of their admission. Further information may be obtained by calling (713)-313-7458.

Students who are admitted to the University and who wish to participate in competitive sports may qualify for athletic scholarships. Detailed information on these scholarships (along with designated qualifications) may be obtained by calling (713)-313-7671.

The United States Army through its Army Reserve Officers' Training Corps (ROTC) Scholarship Program provides financial assistance for the undergraduate education of highly qualified and motivated young men and women who ultimately want to pursue careers as commissioned officers in the United States Army after graduation. Detailed information on this program may be obtained by calling (713)-743-3875.

Through a number of the instructional units at the University, various types of academic scholarships are available. These scholarships are awarded directly by the sponsoring units, which should be contacted directly through information numbers referenced in this document.

As other programs become available at the University, students should contact the Office of Student Financial Assistance directly for pertinent information.

### **Financial Aid Eligibility Requirements**

In order to maintain eligibility for consideration for financial aid, students must meet the standards set forth in Texas Southern University's policy on Satisfactory Academic Progress (SAP). **There are three facets of the individual student record that determine financial aid eligibility: credit hours, grades, and time frame.** The requirements in each facet vary in accordance with academic status (undergraduate, graduate, or professional student), the college or school of enrollment, and enrollment status (full-time, half-time, or less than half-time). Time frame is always included regardless of the level, enrollment status or degree objective for the student when considering the financial aid satisfactory academic progress standards.

#### **Credit Hours and GPA**

**Students receiving financial aid must satisfy the qualitative component, credit hours attempted and earned (ratio) and qualitative component, the cumulative grade point average (GPA) needed** based upon their individual academic classifications to maintain eligibility. Students receiving aid have their overall enrollments at the University reviewed at the end of the spring semester. If they meet or exceed the minimum SAP standards, the student's next scheduled review will occur annually at the end of the subsequent spring term. If they fail to meet the minimum SAP standards, the student is placed on financial aid suspension and must appeal for reinstatement of eligibility to receive aid. If the student successfully appeals and is approved to regain eligibility to receive aid, the student's eligibility is reinstated and the student's SAP is measured at the end of each subsequent term. If the student meets the minimum financial aid satisfactory academic progress requirements, the student regains eligibility to receive Title IV aid. If the student fails to meet the minimum requirements or the requirements outlined in the academic plan, the student is placed on financial aid suspension and may not automatically regain eligibility until the student has met the minimum financial aid satisfactory academic progress requirements for their category. The student may appeal for reinstatement after earning a 2.0 in at least 6 hours at an accredited two-year or four-year University, junior or community college prior and meets other federal acceptable terms for reentry into the financial aid programs.

#### **Time Frame**

With regard to the **time frame needed** to maintain eligibility, students will be considered for financial aid for a limited time only. Generally based on federal guidelines, students may receive financial up to 150% of the total credit hours required to complete their program. Their enrollment in all postsecondary institutions, regardless of financial aid support, is considered when determining the total number of credit hours that they are allowed to enroll in with the benefit of financial aid. **The Office of Student Financial Assistance should be contacted directly regarding the specifics of time frame limitations.** Students are notified when they are approaching enrollment in the maximum number of credit hours permitted. If students exceed this number before finishing their individual programs of study, then they will no longer be eligible to receive federal student assistance.

Students are placed on financial aid suspension with regard to the receipt of financial aid for their next semester of attendance. Students placed on financial aid suspension are required to submit an appeal containing a SAP appeal form, letter of explanation, plan of action for improving their academic performance and academic plan to regain eligibility to receive aid. Submission of an appeal does not automatically reestablish eligibility to receive aid. If they are successful in appealing the financial aid suspension the student is placed on financial aid probation. If the student has an established academic plan and meets the standards outlined in the academic plan, the student is continued on financial aid probation. To be removed from this probation, students must complete the requisite number of semester credit hours with the corresponding GPA to regain unconditional eligibility under the Satisfactory Academic Progress (or SAP) policy. Students who meet the conditions of outlined in the approved appeal and an academic plan, but continue to fall below the minimum requirements continue to receive aid on probationary status. If these conditions are not met the student will be placed on financial aid suspension and may not regain eligibility until the student has met the minimum financial aid satisfactory academic progress requirements for their category or meets other federal acceptable terms for reentry into the financial aid programs.

### **Financial Aid Suspension**

Students who fail to earn the required semester credit hours and achieve the required GPA while on financial aid probation will be placed on financial aid suspension. Thus, they will no longer be eligible to receive federal student assistance. In order to return to financial aid probationary status, students must meet the minimum financial aid satisfactory academic requirements. Students failing to meet the minimum requirements must earn a 2.0 in at least 6 hours at an accredited two-year or four-year university prior to appealing for reinstatement of the financial aid eligibility. The student must submit a financial aid appeal for consideration of reinstatement of aid. Submission of an appeal after achieving a 2.0 does not automatically reestablish eligibility to receive aid; appeals will be considered on a case by case basis for reinstatement of aid.

### **Exclusions**

The following types of registration or grades cannot be used to fulfill conditions for the removal of financial aid probation or suspension: advanced placement credits, credits earned through the credit by examination process, independent study courses, and grades of withdrawal (W), incomplete (I), in progress (R), unsatisfactory (U), and fail (F).

### **Additional Academic Requirements**

If a student applies for financial aid, their eligibility will be based on past performance as measured by the Satisfactory Academic Progress (SAP) standards for financial aid. If a student is a transfer student, he or she will be evaluated within the financial aid SAP maximum time frame based upon the number of semester credit hours accepted by Texas Southern University and subsequently enrolled in at Texas Southern University.

Other factors that students need to be cognizant of with regard to the assessment of financial aid status are as follows:

Semester credit hours earned from foreign institutions are included in the financial aid SAP evaluation if these credits are accepted by the University and the college/school in which a major is declared.

If a course is repeated, the semester credits earned will count toward the determination of enrollment status and maximum time frame. If a course is repeated due to a failing grade, financial aid may be applied until the student receives a passing grade in the course. If the student receives a passing grade, financial aid may only be applied for the first instance the course is repeated.

Courses in which grades of "I" (incomplete) are received do not earn credits to meet the academic year minimum, nor do they influence GPA's in the semester in which they are taken; however, the credits are counted in the maximum time frame.

Courses in which grades of "W" (withdrawal) are received do not earn credits to meet the academic year minimum, nor do they influence GPA's in the semester in which they are taken; however, the credits are counted in the maximum time frame. Students

may retake courses from which they withdraw, and retaken credits will count toward the determination of enrollment status and minimum credits earned.

Credits earned from undergraduate developmental/remedial courses that students are required to take count toward the determination of enrollment status, minimum semester credits earned, and maximum time frame.

Credits earned from undergraduate courses taken while students are enrolled as graduate students do not count toward the academic year minimum, nor do they influence GPA's, nor do they count toward the determination of enrollment status or minimum credits earned, unless these credits are specifically required as prerequisites.

All undergraduate and prerequisite courses are included in the financial aid time frame for financial aid SAP.

Summer terms are considered special semesters and are not automatically monitored to determine financial aid SAP. Students who attend summer terms and who want credits earned during these terms counted with fall and/or spring semester credit totals must make a request for such at the end of the summer terms of attendance.

### **Right to Appeal**

Students placed on financial aid suspension may appeal this status by completing a Satisfactory Academic Progress Appeal Form in the Office of Student Financial Assistance within 30 days of receipt of notification.

Students who believe that they have been identified as not having met financial aid SAP requirements because of the late posting of grades should contact the Office of Student Financial Assistance once grades have been posted. A counselor will then review the information and determine whether or not the SAP requirements have been appropriately met.

Students who are placed on financial aid suspension should submit a Satisfactory Academic Progress Appeal Form, Letter of Explanation, Plan of Action and Academic Plan. The Academic Plan must be obtained from an academic advisor or designated representative for the department. Students who fail to achieve financial aid SAP standards because of mitigating circumstances (such as illness, injury, family crisis, or credits earned from incomplete courses) should attach supporting documentation with the appeal. The Satisfactory Academic Progress committee will render a decision after reviewing the documentation presented.

Students who attend either one or both summer terms during a year when they have been placed on either financial aid probation or suspension and succeed in increasing their GPA's and/or semester credit hours completed in order to meet the minimum financial aid SAP standards for the year should appeal their status in writing with supporting documentation to the following:

Satisfactory Academic Progress Appeals Committee  
Office of Student Financial Assistance  
Texas Southern University  
3100 Cleburne Street  
Houston, Texas 77004-9987

Decisions on these appeals will be made within 20 business days after their receipt. Students will be notified in writing of the decision.

## **WITHDRAWAL AND RETURN OF TITLE IV AID**

Unexpected events may cause students to withdraw prior to the end of the semester. Federal regulations require that a Return of Title IV Aid calculation be performed on any student receiving federal aid during the semester. Federal aid includes the Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Federal Direct Subsidized/Unsubsidized Loans, Federal Graduate PLUS Loan, and Federal PLUS Loan.

The calculation of Title IV funds earned by the student has no relationship to the student's incurred institutional charges. The institutional Return to Title IV and Post-withdrawal disbursement policy is located in the university catalog and on the university's website on the Manual of Administrative Policies and Procedures (MAPP) 03.08.08. Federal Student aid may not cover all unpaid institutional charges due to the institution upon the student's withdrawal. The Office of Student Accounting and Billing, in conjunction with the Office of Student Financial Assistance, will perform a Return of Title IV funds calculation for each student that withdraws for the semester and notify the student of any repayment of funds as a result of the calculation.

### **Earned Financial Aid and the Return to Title IV Calculation**

According to federal guidelines, the student earns financial aid based on the length of time the student remains enrolled in the term.

If the student withdraws, a Title IV refund calculation will be processed according to the federal regulations based on the last day of attendance. If the student withdraws from school prior to completing 60% of the term, he or she may be required to repay all or part of financial aid received for that term.

If the student initiates the withdrawal process after completing over 60% of the enrollment term, he or she will have earned 100% of the federal financial aid for that term and no repayment is required.

If the student unofficially withdraws, federal regulations require a Return of Title IV aid calculation is performed for the student. The calculation will be based on the 50% point in the semester or the last date of the student's activity in a university related academic activity can be documented.

### **Repayment of Unearned Aid**

The portion of the term that the student does not attend represents the portion of aid that is determined to be unearned. Earned federal financial aid is prorated according to the percentage of the semester completed. The amount of the unearned federal aid is the total amount of federal aid less the portion of earned federal aid. Unearned federal aid, other than federal work study, must be returned to the federal government. The responsibility to repay unearned aid is shared by TSU and the student.

TSU's share is the lesser of the total amount of unearned aid or the institutional charges multiplied by the percentage of aid that was earned. The student's share is the difference between the total unearned amount and the institution's share.

Earned financial aid is prorated according to the percentage of the semester completed. The return of funds is allocated among the Title IV programs, in an order specified by federal statute. TSU is required to return all unearned federal aid attributed to school charges. This means that a portion of your tuition and fees is no longer covered by financial aid and you are liable for paying the balance of your school charges. All unearned federal aid attributed to school charges is subject to immediate repayment by you unless you are eligible for a tuition and fee refund.



### **Proration of the Cost of Attendance**

The average cost of attendance for students is the sum of the following: tuition and fees, room and board, books and supplies, transportation, personal expenses and (if applicable) loan fees

The cost of attendance may be adjusted to allow for exceptional expenses such as dependent care, study abroad, and on a case by case basis based on the submission of the Special Circumstances Form. Average expenses are utilized for students, with different sets of average costs for resident and non-residents students in the following categories: undergraduate, graduate, pharmacy and law. Undergraduate costs are initially based on 15 hours of enrollment. A graduate student is based on 10 hours and professional students are based on 15 hours.

The cost of attendance for students enrolled less than full-time as of the census date for the term will be adjusted based on a student's actual enrollment using the actual cost of tuition and fees and a percentage of books and supplies. Official census dates are as follows:

- 12th class day for the fall and spring terms
- 4th class day summer of second part of term, for those students attending the entire summer term
- 4th class day summer in first part of term, for summer terms

Students enrolled in non-standard terms should consult the course bulletin or Registrar's Office for the census date. Failure to maintain enrollment until the census may render the student ineligible for aid and cause a return of funds to the Title IV programs.

Students that did not have a completed FAFSA/TASFA filed before the census date will have their cost of attendance based on their enrolled hours at census date. If course registrations affecting the student's official census registration are made by the Registrar's Office, additional corrections impacting the student eligibility and/or award amount may be made. Concurrent Enrollment Agreements, Consortiums and Study Abroad will be reviewed and adjusted based on enrollment; per the program requirements for minimum enrollment and consortia documentation. Adjustments to the cost of attendance may cause a reduction of aid and necessitate the return of funds to the Title IV programs.

## RESIDENTIAL LIFE AND HOUSING PROCEDURES

The demand for student housing is quite large. Facilities may not be available for all students who apply. To process applications expeditiously, students must request and submit the appropriate application for the type of accommodation desired.

To begin the housing reservation process, a student will submit an electronic housing application via the TSU Housing website at [www.tsu.edu/housing](http://www.tsu.edu/housing).

### Housing Reservations

Reservations are made on a priority basis. Freshmen will be served first priority at the freshman housing facility. Sophomores are accommodated at the 2nd level, followed respectively by juniors and seniors. Assignments depend on housing availability.

All domestic and international students should make applications with applicable fees as early as possible prior to the semester or term in which they wish to attend. **Applicants must be accepted to the University before applying for housing accommodations.**

**Students must provide proof of receiving the Meningitis Vaccine prior to applying for housing.**

### Housing ~~Lease~~ Cancellations/Terminations

All requests for cancellation of housing reservation or termination must be in writing and submitted to the Department of Residential Life & Housing. Requests may also be sent via email to [tsuhousing@tsu.edu](mailto:tsuhousing@tsu.edu).

### Resident's Responsibilities

Students are cautioned to read carefully all terms and conditions stated on the application form, lease agreement, resident handbook, information bulletins, food service contracts and all e-mail communications. Students will be held accountable for adherence to the contents of all contractual information. Once a student is assigned to a room, he/she is responsible for its maintenance (i.e., keeping the room in good condition) and shall be held responsible to the University for damages to equipment and furnishings. Charges will be assessed for damages or defacements beyond normal wear and tear.

Texas Southern University strongly urges students to provide personal property insurance via a rider on the family's homeowners insurance or by purchase of a personal property insurance policy provided by a third party insurance provider.

**All residents are expected to familiarize themselves with and abide by the Residential Life & Housing Rules and Regulations and the Student Code of Conduct. Violation of University Rules and Regulations could result in disciplinary actions taken by the Residential Life & Housing Judiciary Committee, and/or the Office of Judicial Affairs.**

## **STUDENT SERVICES AND CAMPUS LIFE**

### **COUNSELING SERVICES**

The mission of the University Counseling Center (UCC) is to help students enhance their academic and personal well-being. The UCC seeks to provide crisis intervention, grief counseling, outreach, and referral services to TSU students. We also offer consultation, education, training, and prevention strategies to faculty, staff, and the university community. We seek to promote an environment of inclusion and personal development.

Confidential counseling services are made available for all currently enrolled TSU students at no charge. Our primary responsibilities are to alleviate distress and promote healthy functioning by providing either short-term or ongoing counseling services. These services include but are not limited to individual counseling, couples and family counseling, group counseling, referrals, conflict resolution, and public presentations for campus organizations and/or academic classes.

The UCC staff consists of mental health professionals from diverse clinical backgrounds. In addition, we consult with psychologists, psychiatrists, and physicians as necessary. This practice allows the staff to provide quality counseling, integrated care, appropriate referrals, consultation, and training. The UCC clinical staff are trained and experienced in responding to a variety of issues encountered by university students.

The UCC records are not a part of the student's academic record, and no one can get information from a student's record without the student's written consent or a court-ordered subpoena. A federal regulation, Health Insurance Portability and Accountability Act (HIPAA), requires our protecting the privacy of your health information.

The UCC is located in the Student Health Center. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Call the UCC at 713-313-7804 either to make an appointment or for additional information.

### **STUDENT HEALTH SERVICES**

Student Health Services provides medical care to students when they are sick or injured, and consistently delivers educational programming campus-wide. To receive services at the clinic, students must be registered for the current semester and have a valid Tiger One Card. Medical services are provided by medically trained staff on a walk-in basis.

Health Services is located in the Student Health Center on Tierwester Street between Lanier East and the General Services building.

The clinic is open Monday – Friday, from 8:00 a.m. to 5:00 p.m. After hours of operation and on weekends, students should contact TSUPD at (713) 313-7000 for assistance. Services and some medications are provided free of charge to students. Fees for services received outside of the clinic are the responsibility of the student.

The Health Insurance Portability and Accountability Act (HIPAA), a federal regulation, requires us to protect the privacy of your health information. No one can get information from a student's medical record without the student's written consent or a court-ordered subpoena.

#### **Health Insurance**

International Students are required to have health insurance and are automatically enrolled and charged for the university-sponsored student health insurance plan. To have the charge removed, students are required to show proof of comparable private health insurance by completing an online waiver by the 20th day of classes. For assistance with completing the waiver, please contact Student Health Services or the International Student's Office.

Domestic students have a variety of options for obtaining health insurance including, purchasing the university-sponsored health insurance, remaining on their parents insurance or purchasing insurance from the provider of their choice.

## **Health Awareness/Health Promotions**

Each semester Student Health Services provides peer-lead outreach programs focusing on the prevention of the spread of communicable diseases and health promotions. Our annual programming includes HIV/STI presentations, health fairs, blood and bone marrow registration drives, and health awareness campaigns.

HIV testing is available in the Student Health Center every Wednesday and Friday, during the fall and spring semesters.

Additional information about our services can be found on the web at [www.tsu.edu/health](http://www.tsu.edu/health) or by calling the clinic at (713) 313-7173.

## **Health Requirement**

All students, 21 years old and younger, attending the university for the first time, are required to submit a copy of their shot record to Student Health Services. The shot record should show proof of vaccination against bacterial meningitis within the past 5 years.

Visit us on the web at [www.tsu.edu](http://www.tsu.edu), or call (713) 313-7173, for detailed instructions on how to submit your shot record to Student Health Services.

## **UNIVERSITY CAREER SERVICES**

The University Career Services Center has the major objective of assisting students and alumni with their employment-related needs. The Center staff seeks to assist students with choosing their majors and career interests and gaining relevant work experience, as well as to provide alumni guidance in their full-time professional job search. The Center encompasses four interlocking components: Career Awareness, Job Location and Development (JLD), Cooperative Education (Co-Op)/Internships, and Career Planning and Placement.

University Career Services also focuses on developing strong relationships with employers and assisting them in their recruiting needs. Provided services include career fairs, on-campus recruitment, and resume referrals that assist in meeting each organization's needs. If the need is filling internships, cooperative education, or full-time employment opportunities, University Career Services is dedicated to providing each organization personal and prompt service.

Whether a student, an alumnus, or an employer, University Career Services is committed to assisting you in meeting your goals. The Center is located in the Thornton M. Fairchild Building, room 152. Office hours are 8:00am – 5pm, Monday through Friday. For further information, students should call (713)-313-7541.

## **SUBSTANCE ABUSE PREVENTION, EDUCATION AND INTERVENTION PROGRAM (SAPEI)**

The total health and welfare of the students at Texas Southern University (TSU) is of paramount concern to all staff, faculty, and administrators, who realize that students are striving to achieve a quality education and prepare to enter the workforce. They also recognize that alcohol and other drugs often become a part of the social interaction of young people. TSU, as well as all other federally funded institutions of higher learning, is mandated by the United States Department of Education to have a program on campus that will address the use of alcoholic beverages and illicit drugs by students. The unit charged with this responsibility is the Substance Abuse Prevention, Education and Intervention Program (SAPEI) of the University Counseling Center. SAPEI is an outcome of the Higher Education Amendments of 1986. TSU's Board of Regents has approved policies to regulate the use of alcohol, drugs, and other controlled substances on campus.

The SAPEI program utilizes a variety of approaches with which to educate our students, among these are classroom presentations, dissemination of educational materials (pamphlets, brochures), and campus-wide observances. It also co-sponsors programs with various student organizations on campus. SAPEI also provides individual, family, and group counseling at no charge to all currently enrolled students.

SAPEI is located in the Student Health Center. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Call SAPEI at 713-313-7804, either to make an appointment or for additional information.

## UNIVERSITY TESTING SERVICES

The University Testing Services program renders the following services:

1. The provision of local and national testing programs for its clientele.
2. The collection of relevant and reliable psychometric information about the learner.
3. The collection of relevant and reliable psychometric information about prospective students of Texas Southern University.
4. The provision of test services and test consultations for various components within the University.
5. The provision of counselors and admission officers with test profiles on all freshman students.
6. The provision of academic advisors with test profiles and other relevant test data compiled on their advisees.

University Testing Services offers two specific programs: national testing programs and institutional testing programs.

A. National Testing Programs are testing programs which are administered nationwide in terms of date and time. They are controlled by test service centers external to the University. Those national testing programs which are currently conducted by University Services are

- American College Testing (ACT) Program Test
- American College Residual Testing (ACT-R) Program Test
- College-Level Examination (CLEP) Program
- General Education Development (GED) Test
- Graduate Records Examination (GRE)
- Law School Admission Test (LSAT)
- Pharmacy College Admission Test (PCAT)
- Scholastic Aptitude Test (SAT)
- Test of English as a Foreign Language (TOEFL)
- Texas Educator Certifications (TEXES)
- Texas Success Initiative Assessment (TSI)

B. Institutional testing programs are programs that are conceived, designed, implemented, and controlled by the University.

## UNIVERSITY PROGRAM COUNCIL

The University Program Council is composed of students, staff, faculty, and administrators who work in collaboration with the Office of Student Services in implementing programs for the University community. The Council's charge includes sponsoring a comprehensive list of social, cultural, intellectual and recreational programs, which enhance the total development of students.

## STUDENT GOVERNMENT ASSOCIATION

The Student Government Association is the supreme governing body of Texas Southern University students. Comprised of the three branches, Executive, Legislative, Judicial, the Student Government Association serves as a means whereby students' opinions, views, and aspirations may be properly discussed and acted upon.

## **CAMPUS ORGANIZATIONS**

The Office of Campus Organizations, which is housed in the Student Center, each year certifies over seventy (70) campus organizations serving the special interests of the campus community. Among those recognized organizations are undergraduate chapters of national fraternities and sororities and social, academic, recreational, religious and para-professional organizations.

## STATEMENT OF ETHICAL PRINCIPLES

### TITLE IX GRIEVANCE PROCEDURES

#### I. PURPOSE AND SCOPE

It is the policy of Texas Southern University not to discriminate on the basis of sex in its educational programs and activities as required by Title IX of the Education Amendments of 1972. Title IX provides that “No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance. Sex discrimination includes sexual harassment and sexual assault. This policy shall apply to all students, staff, faculty, contractors, vendors, and/or visitors to Texas Southern University.

As a student of the University you are protected from sex discrimination in areas including, but not limited to:

- Admission to schools/colleges
- Access to enrollment in courses
- Access to and use of school facilities
- Counseling and guidance materials, tests and practices
- Vocational education
- Physical education
- Competitive athletics
- Graduation requirements
- Student rules, regulations and benefits
- Treatment as a married and/or pregnant student
- Housing
- Financial assistance
- Health services
- School-sponsored extracurricular activities

As an employee of the University you are protected from sex discrimination in areas including, but not limited to:

- Employment, evaluation, wages, advancement, assigned duties and shifts
- Career advancement
- Other terms and conditions of employment

#### II. DEFINITIONS

**A. Sex Discrimination.** Sex discrimination can occur when conduct is directed at a specific individual or a group of identifiable individuals that adversely affects the education or employment of the individual or group because of sex. Behaviors that may be sex discrimination include, but are not limited to:

- Exclusion from educational resources or activities because of one’s gender
- Subjection to jokes or derogatory comments about one’s gender; or
- Being held to different standards or requirements on the basis of one’s gender

**B. Sexual Harassment.** Sexual harassment is a form of sex discrimination that can occur when there are:

- Unwelcome sexual advances;
- Request for sexual favors, whether or not accompanied by promises or threats relating to the employment or academic relationship, or that in any way influence any academic or personnel decision regarding a person’s academic standing, employment, evaluation, wages, advancement, assigned duties, shifts or any other condition of employment, career or academic development;
- Any verbal or physical conduct of a sexual nature that threatens or implies, either explicitly or implicitly, that an employee’s or student’s submission to or rejection of sexual advances will in any way influence any personnel or academic decision regarding his or her academic standing, employment, evaluation, wages, advancement, assigned duties, shifts or any other condition of employment, career or academic development;
- Any verbal or physical conduct that has the purpose or effect of substantially interfering with an employee’s ability to do his



- or her job or a student's academic standing, performance or development;
- Any verbal or physical conduct that has the purpose or effect of creating an intimidating, hostile or offensive working or educational environment; and
- Certain conduct in the workplace or educational environment, whether physical or verbal, committed by supervisors, non-supervisory personnel, or faculty, including but not limited to references to an individual's body; use of sexually degrading words to describe an individual; offensive comments; off-color language or jokes; innuendoes; and sexually suggestive objects or behavior, books, magazines, photographs, cartoons or pictures.

**C. Sexual Assault.** Sexual assault is a non-consensual act involving psychological manipulation, physical force, or coercion. As defined by the Texas Penal Code, a stranger or acquaintance commits sexual assault through forcible sodomy, forcible sexual penetration, however slight, of another person's mouth, anal or genital opening with any object. These acts must be committed without the victim's consent either by force, threat of force or violence, intimidation or through the use of the victim's mental or physical helplessness of which the accused was aware or should have been aware.

### **III. REPORTING OF COMPLAINTS**

Texas Southern University (TSU) encourages any student, employee or visitor who thinks that she or he has been subjected to sex discrimination, sexual harassment or sexual assault by another student, member of the faculty or staff, campus visitor or contractor, to report that action immediately to the University's Title IX Coordinator or a Deputy Coordinator.

Any complaint of sex discrimination, sexual harassment or sexual assault made under this procedure must be submitted in writing within 180 days after the occurrence (or the last of a series of occurrences) of the alleged discrimination.

All TSU employees are responsible for promptly reporting incidents of sex discrimination, sex harassment and sexual assault that come to their attention to the University's Title IX Coordinator or a Deputy Coordinator (unless the employee is statutorily barred from sharing such information). All other individuals (e.g. students, visitors) are urged to report to their supervisors or the University's Title IX Coordinator/Deputy Coordinators conduct that they believe violate the University policies prohibiting sex discrimination.

### **IV. NOTICE OF TITLE IX COORDINATOR/DEPUTY COORDINATORS**

While compliance with the law is everyone's responsibility at the University, listed below are the University's Title IX Coordinator, Deputy Coordinator and Intake Investigators who have primary responsibility for Title IX compliance.

#### **Interim Title IX Coordinator:**

Mr. Wendell Williams  
Office of the President  
Hannah Hall, Room 220  
Texas Southern University  
Houston, TX 77004 (713) 313-7033

#### **Interim Deputy Title IX Coordinator:**

**Mrs. Cheryl Cash**  
Office of Human Resources  
Hannah Hall, Room 126  
Texas Southern University  
Houston, TX 77004 (713) 313-7307

#### **Interim Deputy Title IX Coordinator:**

**Mrs. Toni Gray**  
Office of Human Resources  
Hannah Hall, Room 126  
Texas Southern University  
Houston, TX 77004 (713) 313-7521

Duties and responsibilities of the Title IX Coordinator include monitoring and oversight of overall implementation of Title IX compliance at the University, including, but not limited to coordination of training, education, communications, and administration of grievance procedures for faculty, staff, students and other members of the University community.

## **Title IX Intake Investigators:**

*For student complaints, please contact:*

### **Delynn Walker**

Office of the Dean of Students  
Recreation Center, Room 200  
Texas Southern University  
Houston, TX 77004

[Delynn.Walker@tsu.edu](mailto:Delynn.Walker@tsu.edu)

*For faculty, staff and visitor complaints, please contact:*

### **Toni Gray**

Office of Human Resources  
Hannah Hall, Room 126  
Texas Southern University  
Houston, TX 77004 (713) 313-7307

[Toni.Gray@tsu.edu](mailto:Toni.Gray@tsu.edu)

### **Dominique Guinn**

Health & Kinesiology Department  
Health & Physical Education Building, Room 159  
Texas Southern University Houston, Texas 77004 (713) 313- 7584

[Dominique.Guinn@tsu.edu](mailto:Dominique.Guinn@tsu.edu)

### **Marcia Johnson**

Thurgood Marshall School of Law  
TMSL Building, Room 236B  
Texas Southern University Houston, Texas 77004 (713) 313- 1027

[Marcia.Johnson@tmslaw.tsu.edu](mailto:Marcia.Johnson@tmslaw.tsu.edu)

*For complaints in Athletics, please contact:*

### **Dr. Dwalah Fisher**

Senior Woman Administrator - Athletics  
Health & Physical Education Building, Room 114  
Texas Southern University Houston, Texas 77004 (713) 313- 7272

[Dwalah.Fisher@tsu.edu](mailto:Dwalah.Fisher@tsu.edu)

## **Gender Equity in Athletics**

If you have a complaint about gender equity in TSU athletic programs, you should contact the Senior Woman Administrator - Athletics, who is responsible for Title IX compliance in matters relating to gender equity in TSU athletic programs.

## **For Sexual Assault:**

To file a complaint of sexual assault, you may contact one of the offices listed above, and you may also contact:

### **TSU Department of Public Safety**

Texas Southern University  
3443 Blodgett Street  
(713) 313-7000 (Emergency) (713) 313-7001 (Non-emergency)

## **U. S. Department of Education, Office for Civil Rights**

You may also file a complaint of illegal discrimination with the Dallas regional office of the U. S. Department of Education's Office for Civil Rights (OCR).

Contact information for OCR is:

1999 Bryan Street, Suite 1620  
Dallas, Texas 75201  
(214) 661-9600

[OCR.Dallas@ed.gov](mailto:OCR.Dallas@ed.gov)

## **Confidentiality**

Discrimination and harassment complaints will be handled in a confidential manner to the extent possible and consistent with principles of due process. Information will only be shared on a need-to-know basis and as provided for by University policy and applicable federal and state laws.

## **V. INFORMAL RESOLUTION PROCEDURES**

Though not required, employees and students are encouraged to attempt initially to resolve complaints at the lowest level through the administrative structure of the employment unit or academic department.

If you would like to proceed informally, you should ask your supervisor, the other person's supervisor, the Title IX Coordinator or a Deputy Title IX Coordinator to intervene. Do not rely upon other co-workers or individuals who are not familiar with University policy to intervene on your behalf when discussing your concerns with the person whose behavior is unwelcome and/or offensive. In cases involving allegations of sexual assault, mediation is not appropriate, even on a voluntary basis.

You have the right to end the informal resolution process at any time and begin the formal resolution process.

Supervisors or administrators, including faculty, always should contact the Title IX Coordinator or a Deputy Coordinator before attempting to resolve any complaints.

## **VI. FORMAL RESOLUTION PROCEDURES**

You may initiate formal complaint procedures by filing a complaint with the University's Title IX Coordinator or a Deputy Coordinator ("Coordinator") whether or not you have attempted resolution through informal procedures. The individual who files the complaint is referred to as the "Complainant". The individual against whom the complaint is filed is referred to as the "Respondent". Collectively these individuals are referred to as the "parties". The University will work to investigate all complaints as quickly and professionally as possible. When investigations confirm the discrimination and/or harassment allegations, appropriate corrective action will be taken to prevent the recurrence of any discrimination or harassment.

### **1. Filing of a Complaint.**

The complaint must be submitted in writing, must be filed within one hundred eighty (180) days of the incident (or last of a series of incidents) that is the basis of the complaint, and must contain the following information:

- Complainant's name and contact information, including address, telephone number and e-mail address;
- Name of Complainant's Department Head/Dean/Vice President (if Complainant is an employee);
- Name of person(s) responsible for alleged violation(s);
- Date(s) and place(s) of alleged violation(s);
- Nature of alleged violation(s) as defined in this policy;
- Detailed description of the specific conduct that is the basis of alleged violation(s);
- Names of any witnesses to alleged violation(s);
- Action requested to resolve the situation;
- Complainant's signature and date of filing; and
- Any other relevant information/documents

The following communications do not constitute a complaint and will not be investigated or resolved pursuant to this complaint resolution process:

- Oral allegations
- E-mail correspondence
- Anonymous communications
- Courtesy copies of correspondence or a complaint filed with others/other entities
- Inquires that seek advice or information only
- Pre-complaint consultations and informal resolution activity

Notwithstanding the foregoing, the University will, pursuant to its obligations under Title IX, respond to all incidents of possible sex

discrimination, harassment and sexual assault, of which it knows or reasonably should know.

## **2. Receipt of a Complaint.**

Upon receipt of the written complaint, the Coordinator will meet with the Complainant within five (5) working days to review the complaint procedures, discuss the Complainant's allegations, and determine, if appropriate, whether the Complainant is amenable to resolving the complaint through informal procedures. If the Complainant is willing to first proceed informally, the Coordinator will temporarily postpone the complaint investigation and contact the Respondent to determine whether he or she is willing to participate in an informal resolution.

If the Complainant wishes to proceed directly with the formal complaint procedures, or the Respondent declines to participate in an informal resolution, or attempts to resolve the complaint through informal procedures are unsuccessful, the Coordinator will assess the Complainant's written complaint to determine whether the allegations state a potential violation of federal or state laws and/or University policies.

## **3. Acceptance of a Complaint.**

Within five (5) working days of: 1) the Coordinator's receipt of the complaint; 2) the Coordinator's initial meeting with the Complainant; or 3) the Coordinator's determination that an informal resolution of the Complainant's complaint is no longer feasible – whichever is later, the Coordinator shall decide whether the written complaint states a potential violation of University policies or federal or state laws and shall notify the Complainant in writing of her/his determination.

If the Coordinator determines that the allegations of the complaint state a potential violation, the Coordinator will notify the Complainant that the complaint has been accepted and within ten (10) days thereafter provide written notice to the Respondent of the complaint allegations. In addition to notice of the complaint being provided to the Respondent, the Coordinator shall provide notice to the Respondent's immediate supervisor and divisional vice president.

If the Coordinator determines that the allegations of the complaint do not state a violation of University policy or federal or state laws, the Coordinator will provide written notice of this decision to the Complainant. The notice shall explain why the complaint does not state a violation.

## **4. Complaint Investigation.**

The allegations in all complaints will be investigated thoroughly to assure a resolution that is consistent with the facts. The investigation may include, but is not limited to:

- Interviewing the Complainant
- Interviewing the Respondent
- Interviewing witnesses and reviewing evidence presented by the parties
- Interviewing other material witnesses
- Reviewing relevant files and records;
- Comparing the treatment of the Complainant to that of others similarly situated in the department or unit;

and/or

- Reviewing applicable policies and procedures

All interviews will be audio recorded. Parties and witnesses will be informed that their statements will remain confidential only to the extent allowed by laws.

Evidence will be reviewed using a preponderance of the evidence standard (e.g. is it more likely than not that a violation of University policy occurred).

## **5. Abandonment of Complaint.**

The following acts may constitute abandonment of a complaint:

- Failing to respond or take an action required by the policy or procedure within the specified time limit;
- Failing to appear for a scheduled meeting/hearing without adequate cause; or
- Otherwise failing to advance the complaint in a timely manner.

No further action or appeal will be allowed following a Coordinator's determination that the Complainant has

abandoned their complaint. The Coordinator will provide written notice to the Complainant of this determination.

Notwithstanding the foregoing, the University will, pursuant to its obligations under Title IX, respond to all incidents of possible sex discrimination, harassment and sexual assault, of which it knows or reasonably should know.

## **6. Report of Findings and Recommendation – Complaints Against Nonstudents.**

The investigation shall normally be concluded within sixty (60) working days of the filing of the written complaint, at which time the Coordinator shall issue a written report to the Respondent's supervisor/department head. If a complaint is directed against a supervisor/department head who would otherwise act on a complaint, the function assigned to that supervisor/department head will be delegated to the next level supervisor in the Respondent's line of supervision. The report shall include a summary of the Complainant's allegations, the Respondent's response to the allegations, findings of fact and conclusions, as well as appropriate recommendations.

If the report determines a finding of a violation of University policy and/or federal or state law, within five (5) working days following receipt of the report of findings and recommendation, the supervisor/department head shall determine a disciplinary action that is appropriate for the severity of the conduct. Disciplinary action which may include sexual harassment, non-retaliation and/or managerial training, a letter of reprimand, a formal letter of apology to the Complainant, a reduction in administrative duties (e.g. removal as chair of department), unpaid suspension and/or termination of employment, will be taken in accordance with applicable University policies and procedures. Disciplinary action must be approved by the Office of Human Resources prior to the action being taken.

The supervisor/department head shall communicate the discipline decision in writing to the Coordinator and the Coordinator shall provide written notice to the parties of the outcome of the investigation.

## **7. Report of Findings and Recommendation – Complaints Against Students.**

The investigation shall normally be concluded within sixty working (60) days of the filing of the written complaint, at which time the Coordinator shall issue a written report. The report shall include a summary of the Complainant's allegations, the Respondent's response to the allegations, findings of fact and conclusions, as well as appropriate recommendations.

Any disciplinary proceedings involving a student will be conducted pursuant to the provisions of the University's Student Conduct Code. Disciplinary sanctions under the Code may include sexual harassment and non-retaliation counseling, disciplinary reprimand, disciplinary probation, suspension and expulsion.

The University will take necessary steps to prevent the recurrence of any discrimination found to exist.

The Coordinator shall provide written notice to the parties of the outcome of the investigation.

In all Student Conduct Code disciplinary proceedings initiated pursuant to this Policy the Complainant will be provided with the same procedural protections provided to the Respondent, including but not limited to the right to:

- Receive notice of the hearing;
- Select and be accompanied and assisted by an advisor;
- Attend a pre-hearing disciplinary conference;
- Present witnesses and evidence in support of her/his position;
- Appeal the determination of the hearing panel;
- Notice of the outcome of the complaint and any appeal

Further, the Complainant and Respondent will not be allowed to personally question or cross-examine each other during disciplinary hearings/proceedings. Finally, all evidence will be reviewed using a preponderance of the evidence standard (e.g. is it more likely than not that a violation of the Student Conduct Code occurred).

As required by Federal law, any disclosure of the findings and decision in regards to student disciplinary proceedings will be governed by the provisions of the Family Educational Rights and Privacy Act.

## **8. Protective Measures.**

At times the Title IX Coordinator/Deputy Coordinator may deem it necessary to recommend steps before or during an investigation to protect the rights and interests of the Complainant and/or the Respondent. Those measures may be designed to reduce or eliminate

contact between the Complainant and Respondent so that both parties feel safe in their work or educational environment. Protective measures may also guard against further actual or perceived discrimination or retaliation.

Protective measures may include but are not limited to temporary changes in working conditions (such as changes in supervisor, shift, job site, or office location), changes in class schedule, changes in living arrangements, directives to the Complainant and Respondent to avoid personal contact or refrain from such contact without a third party neutral person present, and in severe cases interim suspension.

### **9. Effect of Criminal Proceedings.**

Because sexual assault may constitute both a violation of University policy and criminal activity, the University encourages students to report alleged sexual assaults promptly to University and/or local law enforcement agencies. Criminal investigations may be useful in the gathering of relevant evidence, particularly forensic evidence. Because the standards for finding a violation of criminal law are different from the standards for finding a violation of this Policy, criminal investigations or reports are not determinative of whether sexual assault, for purposes of this Policy, has occurred. In other words, conduct may constitute sexual assault under this Policy even if law enforcement agencies lack sufficient evidence of a crime and therefore decline to prosecute.

The filing of a complaint of sexual assault under this Policy is independent of any criminal investigation or proceeding, and (except that the University's investigation may be delayed temporarily while the criminal investigators are gathering evidence) the University will not wait for the conclusion of any criminal investigation or proceedings to commence its own investigation and take interim measures to protect the Complainant and the University Community, if necessary.

### **10. Retaliation Prohibited.**

It is contrary to Title IX, and other federal and state civil rights laws, and to University policy, to retaliate against any person for asserting his/her civil rights, including filing a claim of discrimination or participating as a witness in an investigation. Retaliation or reprisals against any participant in an investigation will not be tolerated by the University. Retaliation against a person who files a claim of discrimination (including sexual harassment or sexual assault) is grounds for a subsequent claim by that person under the University's Retaliation policy (MAPP 02.05.14). If a person believes that he or she has been retaliated against as a result of filing a grievance or participating in the investigation of a grievance, he or she may pursue a separate complaint charging retaliation.

### **11. Filing of False Complaints.**

Any employee or student who knowingly and intentionally files a false complaint under this procedure is subject to disciplinary action up to and including dismissal from the University/termination of employment.

### **12. Time Frames.**

Time frames referenced in these procedures may be extended by the Coordinator for good cause, such as holidays or when classes are not in session, or when it is necessary to complete an investigation due to difficulties reaching witnesses or parties to the complaint.

## **VII. TITLE IX GRIEVANCE PROCEDURES.**

This procedure shall constitute the grievance procedures for complaints alleging unlawful sex discrimination required under Title IX of the Education Amendments of 1972. As used herein, "complaint" is synonymous with "grievance".

## **VIII. OTHER DISCRIMINATION GRIEVANCES/COMPLAINTS**

Complaints and grievances by faculty, staff and students alleging other forms of unlawful discrimination and harassment by faculty or staff, including but not limited to unlawful discrimination/harassment based on race, color, religion, national origin, age, disability, sexual orientation or veteran status, are subject to the procedures set forth in the University's "Complaint and Grievance Policy" – MAPP 02.05.01.



## AMERICANS WITH DISABILITIES ACT (ADA)/SECTION 504 POLICY

### A. Purpose

The purpose of this operating policy/procedure is to ensure understanding of the University's responsibilities regarding the Americans with Disabilities Act (ADA), the ADA Amendments Act of 2008 (ADAAA) and Section 504 of the Rehabilitation Act of 1973 as amended (Section 504). It is the policy of Texas Southern University (TSU) to provide reasonable accommodations upon request for qualified individuals with a disability who are students, employees, or applicants for employment. TSU will adhere to all applicable state and federal laws, regulations and guidelines with respect to providing reasonable accommodations as required in an effort to offer equal opportunities to qualified disabled individuals. The Vice President for Student Services will review this policy on an annual basis and forward any recommendations for revisions to the Human Resources Department.

### B. Introduction

The Americans with Disabilities Act (ADA) of 1990 mandates equal opportunities for persons with disabilities in all public facilities, programs, activities, services and benefits derived from them. Section 504 of the Rehabilitation Act of 1973, as amended, mandates equal opportunity for qualified persons with disabilities in all programs, activities and services of recipients of federal financial assistance. The ADA, ADAAA and Section 504 are civil rights statutes which prohibit discrimination on the basis of disability, obligate colleges and universities to make certain adjustments and accommodations, and offer to persons with disabilities the opportunity to participate fully in all institutional programs and activities.

For federally assisted programs or activities operated by post-secondary education recipients, the specific obligations with regard to disabled students, faculty or staff, include but are not limited to the following:

- All programs and activities must be offered in the most integrated setting appropriate.
- Academic requirements must be modified, on a case-by-case basis, to afford qualified disabled individuals an equal educational and/or work opportunity;
- A recipient may not impose upon disabled individuals rules that have the effect of limiting their participation in the recipients' education program or activity; for example, prohibiting tape recorders in classrooms or guide dogs in campus buildings.
- Students with impaired sensory, manual or speaking skills must be provided auxiliary aids such as taped texts, interpreters, readers and classroom equipment adapted for persons with manual impairments.

Texas Southern University provides all educational and other university-sponsored programs and activities to persons with disabilities in the most integrated setting appropriate. Students, employees, applicants and other individuals with disabilities served by TSU are not segregated, separated or treated differently. TSU does not require persons with disabilities to take advantage of all adjustments, accommodations or special services.

### C. Scope

This policy applies to students, staff, faculty, job applicants, visitors, vendors and other beneficiaries of the programs, services, and activities of TSU.

### D. Definitions

- **ADA/Section 504 Coordinator.** The University's Associate Vice President for Human Resources acts as the ADA/Section 504 Coordinator for faculty, staff and students and ensures the University's compliance with relevant federal and state laws regarding the ADA.
- **Disability.** A disability is defined as a physical or mental impairment that substantially limits one or more major life activities, a record of such impairment, or being regarded as having an impairment.
- **Disability Resource Committee ("DRC").** A university advisory group that offers informal advise and support to the administration in responding to persons with disabilities, their supervisors, visitors and the university community at large.
- **Essential Function.** A task or responsibility that is central (not marginal) to the purpose of the job, the class, or the activity.
- **Major life activity.** Major life activities include, but are not limited to caring for oneself, performing manual tasks, seeing, hearing, eating, sleeping, walking, standing, lifting, bending, speaking, breathing, learning, reading, concentrating, thinking, communicating and working and major bodily functions, which include functions of the immune system, normal cell growth, digestive, bowel, bladder, neurological, brain,



respiratory, circulatory, endocrine and reproductive functions. An individual's ability to perform a major life activity is compared to most people in the general population.

- **Qualified individual with a disability.** An individual who has a physical or mental impairment as defined above, has a record of such impairment, or is regarded as having such impairment, who possesses the requisite skills, education, experience and training for a position, and who can, with or without a reasonable accommodation, perform the essential functions of the position the individual desires or holds.
- **Reasonable Accommodation.** A modification or adjustment to the job application process or the work or academic environment that enables a qualified person with a disability to be considered for a position, perform the essential functions of a position, or enjoy the same benefits and privileges of employment and academics as are enjoyed by similarly situated employees or students without disabilities. Reasonable accommodations include, but are not limited to modifying written examinations, making facilities accessible, adjusting work schedules, restructuring jobs, providing assistive devices or equipment, providing readers or interpreters, and modifying work sites.
- **Substantial limitation.** An impairment that prevents the performance of a major life activity that the average person in the general population can perform, or a significant restriction as to the condition, manner or duration under which an individual can perform a particular major life activity as compared to the average person in the general population.
- **Undue hardship.** An action that is unduly costly extensive, substantial, disruptive, or an act that would fundamentally alter the nature or operation of the business. An "undue hardship" is determined in accordance with the Americans with Disabilities Act (ADA), the Texas Commission on Human Rights Act, and relevant case law. Factors to consider in determining whether or not an accommodation would impose an undue hardships include, but are not limited to, the nature and cost of the accommodation, financial considerations, the impact of the accommodation upon the nature and operation of the department and how the request affects the health and safety of other employees or students.

## **E. Information**

Any communications from the University concerning ADA and Section 504 related information shall be made accessible to all students and employees. This term includes student and employee policies, procedures, emergency evacuation plans, and other related information that shall be published in the student course selection booklet, student catalogs and handbooks, employee handbooks, and the University's Staff Operating Manual.

## **F. Disability Resource Committee**

The Disability Resource Committee ("DRC") shall be charged by the President with assisting in the University's compliance with ADA laws. The DRC acts as an advisory group providing informal advice and support to the administration in responding to issues regarding individuals with disabilities. The members of the committee shall be appointed by the President. Representation will include an individual from the following areas: Office of the General Counsel, Student Services, Human Resources, Thurgood Marshall School of Law (TMSL), College of Pharmacy and Health Sciences (COPHS), Facilities and Maintenance Services, Buildings and Grounds, Special Events, Faculty Senate, Staff Council, Risk Management, and one (1) member from the Student Government Association totaling eleven (11) members for the Disability Resources Committee.

## **G. ADA/Section 504 Coordinator**

The University's ADA/Section 504 Coordinator, in conjunction with the Disability Resource Committee and ADA Hearing Committee, is responsible for assisting the University in compliance with all applicable state and federal laws regarding the ADA.

## **H. ADA Hearing Committee**

The ADA Hearing Committee is responsible for hearing all ADA complaints submitted by students, visitors or employees. The Committee is composed of one (1) faculty member, one (1) administrator or staff member, and one (1) representative from the Student Health Center. The Committee shall be appointed by the President. Either the faculty member or the administrator or staff member shall serve as Chair of the Committee.

## **I. ADA Building Representative**

A designated representative in each building serves as the point-of-contact for all ADA and Section 504 accessibility issues. That individual is responsible for assisting building occupants with being properly notified regarding ADA and Section 504 requirements,

updates and emergency evacuation plans. The representative will report any ADA concerns to the Disability Resource Committee.

## PROCEDURES FOR REQUESTING ACCOMMODATIONS

### A. Introduction

All offices and individuals responsible for reviewing and analyzing the request shall maintain the confidentiality of all medical and ADA information. Records and information obtained about employees as part of a request for accommodations shall be maintained in a secure location in the ADA/Section 504 Coordinator's office. Student records and information obtained on students as part of an accommodations request shall be kept in a secure location in the Office of Disabled Student Services (ODS). All information shall be kept confidential, to the extent allowed by law, and shall be shared on a limited need-to-know basis to implement the accommodation request.

The University may, at the University's expense, request an independent medical opinion concerning the impairment for which an employee or student seeks an accommodation. This decision is based on a number of factors, and each case is assessed individually. Failure of an employee or student to cooperate in obtaining such an opinion will result in the cancellation of the request for accommodation.

### B. Student Requests

Students requesting eligibility for accommodations and services may initiate this request for accommodation(s) by contacting the Office for Disability Services (ODS) in the Student Health Center. Students will be required to provide a recent medical statement that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and activities affected by the impairment. Records and information obtained about our students as part of an accommodations request shall be kept in a secure location in the Office of Disability Services (ODS). Students may be asked to submit additional medical information if the information previously provided is incomplete, outdated, unclear, or inconsistent according to the guidelines set forth by the ODS.

All documentation and information submitted with a request for accommodations shall be reviewed and considered by the University. The University may consult with an outside expert, who will assess the request and make recommendations for modifications. If a student is dissatisfied with the determination on accommodations, he or she may initiate a request for reconsideration with the ODS and may be required to submit additional information. The ODS and/or its consultant will review the determination and consider any additional information. The ODS will then issue a written notice regarding the outcome of reconsideration of the student's request. If a student remains dissatisfied with the determination, he or she may file an ADA complaint under the procedures outlined in the University's ADA policy.

ODS is located in the Student Health Center. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Call ODS at (713) 313-4210, either to make an appointment or to obtain additional information.

More detailed information regarding the process may be found in the ADA/504 Policy (MAPP 02.05.15).

### C. Staff/Faculty Employee Requests

Staff/faculty employees of TSU may request an accommodation by notifying the ADA/Section 504 Coordinator in writing stating the nature of their disability and the accommodation requested. Employees may be required to provide a recent medical statement by an appropriately licensed professional that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and activities affected by the impairment. Employees may be asked to submit additional medical information if the information previously provided is incomplete, unclear, outdated or inconsistent. If the employee does not provide the required documentation and information within fifteen (15) days, the request for accommodations may be cancelled for lack of necessary information.

In the event that a supervisor receives a request for accommodation, the supervisor shall immediately notify the ADA/Section 504 Coordinator so that the request may be processed in a timely manner. Any supervisor who, in the course of job performance counseling, is informed by an employee that a physical or mental condition may be affecting the employee's work performance shall refer the employee to the ADA/Section 504 Coordinator.

The ADA/Section 504 Coordinator will analyze the request and confer with the employee and the supervisor to ascertain the employee's requirements and input on a reasonable accommodation and make a determination regarding which accommodations are necessary. If the employee is unable to demonstrate a disability or does not request a reasonable accommodation under the guidelines set forth in this policy, the request may be denied.

More detailed information regarding the process may be found in the ADA/504 Policy (MAPP 02.05.15).

## **D. Job Applicants**

Applicants for employment may request accommodations by contacting the Office of Human Resources in Hannah Hall 126, the department in which they will be interviewing, or the chair of the search committee, when applicable. Upon receipt of a request, the chair of the department or search committee shall immediately notify the Office of Human Resources or the ADA/Section 504 Coordinator regarding the request. If the Office of Human Resources receives a request, the request should be forwarded to the ADA/Section 504 Coordinator, who will work with the appropriate individuals to determine what reasonable accommodations may be offered to a potential job applicant.

Applicants may be required to provide a recent medical statement by an appropriately licensed professional that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and activities affected by the impairment. Applicants may be asked to submit additional medical information if the information previously provided is incomplete, unclear, outdated or inconsistent. If the applicant does not provide the required documentation and information within fifteen (15) days, the request for accommodations may be cancelled for lack of necessary information.

## **E. Beneficiaries of Programs, Services and Activities**

Beneficiaries of programs, services and activities may request accommodations by contacting the department or organization hosting the event, program, or activity. A designee of the event, service, or activity shall immediately notify the ADA/Section 504 Coordinator regarding the request. The ADA/Section 504 Coordinator shall determine, on a case-by-case basis, what reasonable accommodations may be offered.

Individuals may be required to provide a recent medical statement by an appropriately licensed professional that contains a diagnosis, prognosis, and a description of the specific impairment(s) and the major life functions and activities affected by the impairment. Individuals may be asked to submit additional medical information if the information previously provided is incomplete, unclear, outdated or inconsistent. If the individual does not provide the required documentation and information within a reasonable time prior to the event, service, or activity, the request for accommodations may be cancelled for lack of necessary information.

## **COMPLAINT AND HEARING PROCEDURE**

### **A. Purpose**

The purpose of this procedure is to provide the primary process for addressing student and employee complaints based on disabilities under the ADA and Section 504 of the Rehabilitation Act of 1973. Texas Southern University has adopted an internal complaint procedure providing prompt and equitable resolution of complaints alleging any action prohibited by Title II of the ADA and/or Section 504 of the Rehabilitation Act. Any individual who believes he or she was denied a reasonable accommodation or received insufficient accommodations in violation of this policy or disability laws may file an ADA complaint with the appropriate University official.

### **B. Complaints**

All student ADA complaints should be addressed to the Dean of Students:

Dean of Students  
TSU Office of Student Services  
Student Recreation Center, Room 212  
Texas Southern University  
(713) 313-6874  
3100 Cleburne  
Houston, Texas 77004

All other ADA complaints should be addressed to the ADA/section 504 Coordinator:

Interim ADA/Section 504 Coordinator  
Mr. Wendell Williams  
Office of the President  
Hannah Hall, Room 220  
Texas Southern University  
Houston, TX 77004 (713) 313-7033

### **C. Complaint and Hearing Procedure**

A complaint should be filed in writing, contain the name, address and telephone number of the Complainant, and briefly describe the

alleged violation of the regulations. The complaint should be filed within thirty (30) days after the Complainant becomes aware of the alleged violation.

After receiving an ADA complaint, the University's ADA/Section 504 Coordinator shall schedule a hearing before the ADA Hearing Committee and submit a copy of the complaint and any other relevant documents to the committee. The hearing shall be scheduled within twenty-one (21) days from the date the ADA/Section 504 Coordinator receives the complaint.

The hearing shall consist of opening statements, if desired, by the Complainant, the institution or their representatives, and testimony by any witnesses called by the Complainant or the institution. During the hearing, both parties and the members of the ADA Hearing Committee shall have the right to question witnesses and introduce any relevant exhibits to the committee. The Complainant shall have the responsibility of presenting relevant facts and circumstances to establish the validity of the complaint. Formal rules of evidence will not apply during the hearing. The proceeding shall be non-adversarial in nature.

The chairperson shall control the hearing and take appropriate action to ensure an equitable, orderly, and expeditious hearing. As presiding officer, the chairperson may remove anyone not complying with the rules and/or disrupting the hearing. Witnesses will be heard one at a time and may be excused from the hearing by the chairperson after testifying.

At least ten (10) working days prior to the hearing, either party may request in writing that the proceedings be tape-recorded. At the conclusion of the testimony, both parties will be permitted to make a closing statement. Following the hearing, the Hearing Committee will retire to deliberate and will submit a written report of its recommendations to the ADA/Section 504 Coordinator within seven (7) days after hearing the complaint.

The complainant may request an appeal of the case in instances where he or she is dissatisfied with the resolution. The request for an appeal should be made within five (5) business days of receiving the decision of the Hearing Committee to:

Interim ADA/Section 504 Coordinator  
Mr. Wendell Williams  
Office of the President  
Hannah Hall, Room 220  
Texas Southern University  
Houston, TX 77004 (713) 313-7033

## **D. Appeals**

Final determination of a reasonable accommodation rests with the University. Any request for an appeal that is submitted to the ADA/504 Coordinator shall be reviewed by the Associate Vice President/Chief Human Resources Officer for final review and resolution.

## **SUBSTANCE ABUSE PREVENTION, EDUCATION AND INTERVENTION PROGRAM (SAPEI)**

The total health and welfare of the students at Texas Southern University (TSU) is of paramount concern to all staff, faculty, and administrators, who realize that students are striving to achieve a quality education and prepare to enter the work force. They also recognize that alcohol and other drugs often become a part of the social interaction of young people. TSU, as well as all other federally funded institutions of higher learning, is mandated by the United States Department of Education to have a program on campus that will address the use of alcoholic beverages and illicit drugs by students. The unit charged with this responsibility is the Substance Abuse Prevention, Education and Intervention Program (SAPEI) of the University Counseling Center. SAPEI is an outcome of the Higher Education Amendments of 1986. TSU's Board of Regents has approved policies to regulate the use of alcohol, drugs, and other controlled substances on campus.

The SAPEI program utilizes a variety of approaches with which to educate our students; among these are classroom presentations, dissemination of educational materials (pamphlets, brochures), and campus-wide observances (e.g., National Collegiate Alcohol Awareness Week, health fairs, etc.). It also cosponsors programs with various student organizations on campus. SAPEI also provides individual, family, and group counseling at no charge to all currently enrolled students.

SAPEI is located in the Student Health Center. Office hours are 8:00 a.m. to 5:00 p.m. Monday through Friday. Call SAPEI at 713-313-7800, either to make an appointment or for additional information.

## OFFICE OF CONTINUING EDUCATION

The Texas Southern University Weekend College and Division of Continuing Education was renamed, the College of Continuing Education by the Board of Regents on June 3, 1994; this marks one of the most significant changes in the unit since it was created in 1973 originally as the "Weekend College." As of July 2012, the College of Continuing Education has been renamed the Office of Continuing Education (OCE) and our role is to continue to provide programs and services that affirm the University's mission.

The Office of Continuing Education is Texas Southern University's administrative unit for essentially delivering non-credit courses, but we also offer courses for college credit through our Weekend College for non-traditional students seeking a degree. More specifically, our unit is designed to meet identifiable community needs in lifelong learning and professional development by providing educational opportunities for all.

Our Office of Continuing Education has a long history of success that is consistent with the University's overall strategic plan and our overall goals are:

To offer degree programs through the Weekend College program for students who have earned previous college credits.  
To offer a suite of high quality continuing education programs that provides certification and licensure in high demand fields.  
To be responsive to the needs of our community by offering enrichment and recreational programs that support principles of lifelong learning.

Our programs are largely a response to what we believe represents what people tell us they need to advance their career or just to grow in life. Therefore, we offer both regular college credit courses and courses that qualify for continuing education. Our new certificate programs will offer participants learning experiences that are targeted at ensuring that they bring about meaningful career advancement or opportunities for transitioning to new and exciting careers. Our continuing education offerings provide a vehicle for members of the communities we serve to pursue their lifelong learning goals through targeted programs, seminars, workshops, conferences and special events.

### MISSION STATEMENT

To act as an agent through which our community may acquire continued knowledge and skills that enhance their ability to enter and remain fully engaged in the job market and enjoy lifelong learning.

### ADMISSION INFORMATION

Applicant demographics include:

TSU students seeking alternative pathways for learning, especially where online options exist  
Working students seeking professional and/or personal enrichment through certification courses and CEU's  
Working students seeking non-traditional, evening and weekend-course offerings  
Military personnel and veterans seeking to utilize their educational benefits

An applicant's eligibility to enroll in the Weekend College which offers for-credit courses for degree completion is governed by the same criteria for admissions into the University:

An earned high school diploma or GED  
No active scholastic or disciplinary dismissal from any institution of higher education  
Completion of the prerequisites listed for the course for which the student intends to register (see Course Prerequisites as specified by departments)  
Satisfactory completion of the THEA requirements (if applicable)  
Good financial standing, including no active holds with the University

## DEGREE OFFERINGS

The Weekend College Program leads to a Bachelor of Arts Degree in General Studies.

### OTHER TYPES OF OFFERINGS

#### Non-Credit Courses and Continuing Education Units

Texas Southern University's Office of Continuing Education is committed to establishing and fostering relationships with organizations that share its commitment to the community by offering or partnering in conferences and/or workshops in which we will offer CEU credits.

The OCE can offer a wide variety of workshops and educational seminars for Continuing Education Unit (CEU) credits.

*Full listings of all non-credit course offerings available on the TSU webpage, including online courses.*

#### Enrichment Programs

For more than two decades now, the OCE has run an ever popular and highly sought after Youth Enrichment Program (YEP). It is a comprehensive academic/recreational program for elementary and secondary school students during the summer. The program offers core academic courses (reading, math, and writing) as well as recreational classes designed to promote self-esteem and self-improvement. YEP provides students with specific class offerings to help reinforce academic and social skills for the next school year. All academic classes are taught by teachers from the greater Houston area and selected college professors from TSU.

*In a continuous effort to meet community needs, the OCE may offer new certificates and/or enrichment and recreational programs that may not be listed above. Log on our TSU webpage or please contact the OCE at 713-313-7577 to receive updated information.*



## TSU ONLINE

TSU Online seeks to firmly embed online education and other instructional technologies as key elements of the teaching and learning culture of Texas Southern University (TSU). TSU Online has a broader aim to enhance the University's reputation for teaching excellence and to provide a richly interactive and stimulating learning environment for students, faculty and staff alike. This section highlights TSU Online services, direct and indirect, reflecting their relationship to and impact on the student and faculty experience with instructional technologies as follows:

- **Direct Services:** these touch both students and faculty utilizing various instructional technologies and services such as the Learning Management System (Blackboard Learn), online faculty development, digital content development, and course instructional design.
- **Indirect Services:** comprise the enabling services for the effective delivery of direct services including classroom technology support, student academic technology support, distance learning equipment maintenance and support, academic software development, and College/School website development and maintenance.

### TECHNOLOGY AND COURSEWORK COMPLETION

#### I) Blackboard and your Course

All Courses at Texas Southern, whether classroom based or wholly online, may utilize Blackboard for coursework delivery to varying extents depending on the instructor. Online courses are heavily dependent of blackboard for content delivery, student engagement and interaction, grade reporting, and synchronous/asynchronous lecture delivery. Familiarity with blackboard is critical to your success as a student. Here are a few things to know about blackboard for coursework delivery at Texas Southern:

- The Log In URL: <http://texsu.blackboard.com>
- **Student Resources** link on the blackboard log in page contains various resources to help you get started, including tutorial videos.

#### II) Coursework participation

Both face-to-face and online courses may utilize blackboard for coursework delivery. This includes ongoing assessments, assignments, tests, and paper submission. It is the responsibility of the student to be mindful of the following:

- **Confirm technical requirements and Workspace:** Online classes can benefit students with busy schedules, but only if they can access the materials. Make sure you will have access to a good working computer with appropriate productivity software suites, reliable internet connection, and an ideal location to take tests and participate in online web conferences as needed.
- **Connect with instructors early:** Send your instructor a note, an email, introducing yourself and what you hope to get out of the class. Share your thoughts and course needs as the semester progresses. Instructors love to hear from students, however, keep the communication chatter free.
- **Create a schedule:** Familiarize yourself with the full semester schedule and contact your instructor early to see if accommodations can be made if you sense a conflict might occur during the semester. Otherwise, stay on schedule.
- **Stay organized:** Students enrolled in traditional courses usually have a consistent schedule to follow each week, with in-class instruction followed by out-of-class assignments. Find ways to stay on top of your coursework by utilizing tools such as electronic calendars, digital reminders, and other mobile electronic resources that can alert you to pending deadlines.
- **Know your rights:** Students taking online classes have very similar rights as on campus students. Consult your student handbook for more information.

### WHAT TO EXPECT WHEN TAKING ONLINE COURSES AT TSU

Online courses at TSU are offered primarily as asynchronous (any time), Web-based instruction. While anytime, anywhere learning increases the accessibility of TSU courses, students should reflect carefully on whether online courses match their learning style and expectations for study. In particular, students should self-assess their level of readiness to learn in an online environment. Online courses are geared for the mature, self-motivated learner. They are not easier or less time-consuming than face-to-face (F2F) courses; many students feel that online courses initially require additional effort to adapt to new modes of course delivery and new ways of interacting with the instructor and fellow students.

Online courses are designed as active and collaborative (including peer-to-peer) learning environments. The instructor will provide his or her expertise through lectures, readings, activities, and discussions with students, serving as a facilitator, and encouraging students to explore and interact with fellow learners to reach new levels of understanding and knowledge. Some instructors may even schedule optional synchronous (a.k.a., real time) meetings to aid students.

Successful peer interactive learning requires regular attendance and participation; students enrolled in online courses are expected to log into the course website frequently (at least four or five times per week). Although asynchronous courses allow for flexibility in how students schedule their class work, activities and assignments often follow a rigorous schedule with firm deadlines. Typically,



students will log into their course at the beginning of each week to receive instructions about what learning activities to complete; these activities are often bundled as a "learning module." Over the course of each week, they will be required to complete various activities (e.g., quizzes, exercises, short papers) and participate in online discussions by the dates the instructor has established in the syllabus and weekly learning modules. Students may also work on term projects over the course of the term in addition to weekly assignments.

Throughout the semester, online classroom participation through Web tools such as discussion boards, weblogs, and wikis is expected on a regular basis and often represents a significant portion of the final grade for the course (30 percent or higher in many cases). Students should examine the syllabus closely to determine requirements for the course and weighting of each assignment.

### **GETTING HELP AND CONTACTING TSU ONLINE**

For assistance with blackboard and other instructional technologies for coursework related activities you may contact TSU Online through any of the following options:

Email: [tsuonline@tsu.edu](mailto:tsuonline@tsu.edu)

Phone: (713) 313-7242

In Person: Hannah Hall, Suite 320

General Office Hours: Monday – Friday (8am – 5pm)

## The University's Library Learning Center

The Texas Southern University's Library Learning Center supports the university's academic and research mission and vision by providing easy access to relevant adequate and appropriate library and information resources, services and support. These services and resources are designed to enhance and facilitate scholarship. Through information literacy, the library prepares 21st-century learners to be lifelong learners in the information age. The library's knowledgeable and experienced team provides reference and research assistance, consultation and instruction.

The library's principal resources consist of comprehensive collections of print and non-print materials that support course offerings, instruction and research. During the 2018-19 academic year, The Robert James Terry Library staff undertook an aggressive weeding process in order to move a more curriculum-focused collection into the University's new Library Learning Center. The current print collection consists of fewer than 100,000 circulating items. However, the library licenses and provides access to an impressive collection of over 260 electronic databases, affording access to thousands of full text e-journals. Additional electronic databases provide access to thousands of e-books. Most of these electronic databases are accessible on campus, off campus and through electronic mobile devices.

In support of a multi-disciplinary approach to scholarship, the new Library Learning Center is designed to encourage collaboration and to house a comprehensive collection of relevant resources that support the curriculum. As increased emphasis on timely access to relevant content drives institutional demands for electronic resources, the library responds by continuously analyzing feedback and strengthening the collections. Registered students have access to most resources, both on- and off-site. The library catalog is searchable 24/7. Materials are classified using the Library of Congress Classification (LC) System and are distributed throughout the third, fourth and fifth floors of the Library Learning Center

To encourage and reinforce study, a number of closed study rooms, individual study carrels, and collaborative study areas are provided on most floors. With the exception of Special Collections, the library maintains open stacks.

Special Collections and the Traditional African Art Gallery are located on the second floor of the Library Learning Center and house many of the University's "treasures". These unique holdings constitute a diverse repository of collections with local, state, regional, national and international significance. Among the collections the Barbara Jordan Archives, The Traditional African Art Gallery, The Heartman Collection on African American Life and Culture, and The University's Archives. Special Collections is open five days a week.

Public access terminals or kiosks are located throughout the Library Learning Center. Wireless access is available throughout the Center. Online

Services provided by the Library Learning Center include: bibliographic (course-centered) instruction, information literacy instruction, "Ask A Librarian", borrowing, faculty reserves, My Account, interlibrary loan and document delivery. Distance Learning Services and reciprocal borrowing from TexShare libraries are available for currently enrolled students, and current TSU employees. Individuals are eligible to borrow materials directly from most Texas state colleges and universities. Additional information regarding this service may be obtained by calling the Library Learning Center (713-313-7148). Other services offered include access to photocopying equipment and free scanning services for persons with disabilities. For more information, see the Texas Southern University's Library Learning Center's website or contact the Reference Desk at 713-313-7402.

## OFFICE OF INFORMATION TECHNOLOGY

The Office of Information Technology (OIT) has embraced a New Vision for Culture and Customer Engagement. This is in effort to be more aligned with the university's Top 5 Strategic Priorities. This is in line with TSU's Core Values and Leadership in the following:

- Excellence
- Student Centeredness
- Engagement
- Creativity
- Collaboration

### Our Vision

The Vision of the Office of Information Technology is to be an exemplary, service-oriented partner of the students, faculty, staff, and the community of Texas Southern University.

### Our Values

- Service
- Partnership
- Professionalism
- Communication
- Transparency
- Consistency

### Our Mission

The mission of the Office of Information Technology is to support the mission of Texas Southern University by delivering Technology Services, Solutions, and Guidance.

OIT's current key Areas of Focus are aimed at Standardization, Collaboration, and Service Delivery. The Office of Information Technology is comprised of four areas of service—Enterprise Engagement, Enterprise Solutions, Enterprise Applications and Enterprise Technology.

### Enterprise Engagement

Enterprise Engagement provides the front-end IT support to maintain and improve service quality and reliability of IT computing services. The department manages the Executive Support Group, Desktop Services, Academic Technology, Computer Labs, Classrooms, and IT Help Desk.

### Enterprise Solutions

Enterprise Solutions defines and manages the alignment between business strategy and technology structure. Enterprise Solutions guides IT through the business, information, process and technology changes required to execute strategies and roadmaps. The department also leads Project Portfolio Management providing and supporting IT governance, IT communications, and reporting.

### Enterprise Applications

Enterprise Applications directs all activities concerning the Banner Enterprise Resource Planning (ERP) System that assists the university in recording and maintaining data for all students, employees, alumni, and donors. The department also manages and supports daily operations of the Banner ERP system and Third-Party Products that integrate with it.

### Enterprise Technology

Enterprise Technology provides monitoring, management and operational support of the TSU Enterprise Network Infrastructure. The department manages the data center and MDF/IDF closets, server and storage systems, email, wireless infrastructure, telecommunications, provides backup/restore, database administration services, authentication systems, and essential IT security services.

**THE TSU OFFICE OF VETERAN AFFAIRS (TSUOVA), TEXAS SOUTHERN UNIVERSITY VETERANS RESOURCE CENTER (TSUVRC), RESERVE OFFICERS' TRAINING CORPS (ROTC) PROGRAMS, AND OTHER AFFILIATED PROGRAMS AND SERVICES**

The Office of Veteran Services functions as part of the Division of Student Services and supports the educational process of servicemen/women and veterans of the Armed Forces of the United States, their spouses and/or dependents who are eligible for educational benefits at the University. Basic educational eligibility requirements include the DD214 (Member 4 or Service 2), official military Joint Services Transcript (JST), and the Certificate of Eligibility (COE) from the Department of Veterans Affairs. The office's primary mission is providing advising and assistance to facilitate acquiring educational benefits from the Veterans Administration (VA) and Texas Veterans Commission (TVC) programs.

The Texas Southern University Office of Veteran Services also provides numerous programs to assist with the transitional processes involved with our returning veterans and their families. We have a University Counseling Center on campus as well as provide referrals to the Houston VA Medical Hospital. Opportunities also exist for student employment with the VA Federal Work-Study program and the TSU Career and Professional Development department. There is also a Resource Center within the department for use by VA students.

To inquire about any VA benefits, programs, or resources, please contact us at (713) 313-7862 or via email at [veteransaffairs@tsu.edu](mailto:veteransaffairs@tsu.edu). You may also find information online at <http://students.tsu.edu/departments/veteran-affairs/>, the U.S. Department of Veterans Affairs website at [www.va.gov/](http://www.va.gov/) or the Texas Veterans Commission website at [www.tvc.texas.gov/](http://www.tvc.texas.gov/).

**VETERANS (VA) BENEFITS (FEDERAL)**

VA education benefits include Chapter 30, 31, 33, 35, 1606 and 1607, and Tuition Assistance. Students are reminded that federal law does not allow for the University to process out of state tuition/fees. The student has the responsibility to provide the residency application to the Office of Veteran Services for approval and forwarding to the TSU Office of the Registrar for final processing (waiver, not to be confused with in-state tuition/fees).

**TEXAS HAZLEWOOD ACT (STATE)**

Information for eligibility and the application for the Hazelwood Act can be found at [www.tvc.texas.gov/](http://www.tvc.texas.gov/). Additional required document information is located at <http://students.tsu.edu/departments/veteran-affairs/>. Students are reminded to comply with timelines, GPA/SAP eligibility and in-state requirement for Veteran and dependents (some exclusions apply).

**VETERANS PRIORITY  
REGISTRATION/PROCESSING**

Veterans receive priority registration for all semesters 1 week prior to regular student registration. Current and prospective students are encouraged to begin the benefits application process at least 45 days prior to Veterans Registration. Early submission of all required documentation is processed in the order received granted all required paperwork and documentation has been received by the Office of Veteran Services ensures delivery of benefits in a timely manner.

**RESERVE OFFICER TRAINING CORPS (ROTC)**

Texas Southern University has a Reserve Officer Training Corps (ROTC) program. Students interested in joining ROTC can contact Mr. Roland Thomas at 713-313-4857.



## JESSE H. JONES SCHOOL OF BUSINESS

## JESSE H. JONES SCHOOL OF BUSINESS

The mission of the Jesse H. Jones School (JHJ School) of Business is to transform students into leaders in the global marketplace. To achieve this mission, we provide quality education in an entrepreneurial, global context through effective teaching, theoretical and applied research, and community engagement in a student-centered environment.

In pursuing our mission, the JHJ School is committed to the following core values: Student-Centered Learning, Global Perspective, Community Engagement, Professionalism, and Innovativeness.

The Jesse H. Jones School of Business consists of three departments: (1) Accounting, (2) Business Administration, and (3) Finance and Economics. **Through these three departments, five undergraduate degrees and three graduate degrees are offered.** Students should refer to the Graduate School Bulletin of Texas Southern University for information on the graduate degree programs.

Department	Degree Programs
Accounting	Bachelor of Business Administration (B.B.A) in Accounting
Business Administration	Bachelor of Business Administration (B.B.A.) in Management
	Bachelor of Business Administration (B.B.A.) in Management Information Systems
	Bachelor of Business Administration (B.B.A.) in Marketing
	Master of Business Administration (M.B.A.) in Business Administration
	Master of Science (M.S.) in Management Information Systems
Executive Master of Business Administration (e.M.B.A.) (Online)	
Finance and Economics	Bachelor of Business Administration (B.B.A) in Finance

The School is administratively organized with a Dean who is assisted by an Associate Dean for Administration, an Associate Dean for Academic Affairs and Research, an Assistant Dean for Business Student Services, an Assistant Dean for Accreditation and Assessment Services, two department chairpersons, and support staff. All administrative offices, including departmental offices, are located in the Jesse H. Jones School of Business building.

### ADMISSION POLICIES

#### General Information

Admission to the Jesse H. Jones School of Business is governed by the policies established for the Office of Enrollment Management and the various guidelines established by the departments in the School.

#### Admission of Undergraduate Transfer Students

Students who have been enrolled in other colleges or universities, who are admitted to Texas Southern University, and who wish to enroll in the Jesse H. Jones School of Business, are subject to the regulations pertaining to transfer credit as established by the University and referenced in the section of this bulletin devoted to Admission Requirements, Enrollment Procedures, and Academic Regulations.

Students who wish to transfer credits from a two-year, regionally accredited institution should note the following conditions upon which such transfers are acceptable:

1. Only freshmen (100-level) and sophomore (200-level) business courses in which grades of “C” or better have been earned may be transferred.
2. The “first upper-level course” in each functional area (with associated credit) may be transferred if validated and if a grade of “C” or better has been earned. (Validation consists of passing a departmental examination).

Students who wish to transfer credits from four-year regionally accredited institutions may transfer courses equivalent to those offered through the Jesse H. Jones School of Business, provided grades of “C” or better have been earned and subject to departmental degree requirements.



### **Readmission of Former Students**

Former students of Texas Southern University who wish to re-enroll in the Jesse H. Jones School of Business are subject to the regulations pertaining to readmission as established by the University and referenced in the section of this bulletin devoted to Admission Requirements, Enrollment Procedures, and Academic Regulations.

### **GENERAL SCHOOL POLICIES**

1. All students majoring in any area of business must maintain an overall grade point average (GPA) of 2.00 to remain in good academic standing.
2. All students enrolled in the Jesse H. Jones School of Business are required to follow the sequence of courses outlined in their respective degree plans.
3. All students enrolled in the School must earn grades of “C” or better in English 131, English 132, Mathematics 135, Mathematics 138, and all transfer credits.
4. At least 50 % of the business semester credit hours required for the various business degrees must be earned at Texas Southern University.
5. Students may not enroll in advanced courses without satisfactorily completing the prerequisites required for such courses.
6. Students earning undergraduate degrees from the School are not required to declare a minor in a second academic discipline offered through the University.
7. Students must complete a comprehensive exit examination prior to graduation.
8. Proper professional conduct is required of all students enrolled. This includes dress, language, honesty, personal integrity, and personal ethics.

### **ACCREDITATION**

The University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools. The Jesse H. Jones School of Business is also accredited by AACSB International, the premier global accrediting agency for programs in business. AACSB International accreditation is the hallmark of distinction in management education and assures students, faculty, alumni and other stakeholders of the School’s commitment to maintaining a standard of excellence in business education and a program for continuous quality improvement.

### **THE BUSINESS LIBRARY**

The Business Library is located on the fifth floor of the Robert J. Terry Library and combines resources for accounting, business, and economics. The Business Library has over 52,500 volumes and subscribes to more than 300 serials. Extensive files of corporate financial reports and business and financial services are available. Computerized inter-library loan services link the Library with others throughout the nation and world. Electronic resources are substantial, including more than 300 databases that provide a comprehensive list of scholarly journals with access to more than 63,000 full-text articles covering a broad scope of disciplines. Also included are e-books, videos, newspapers, graphics and some reference materials.

Off campus access to electronic resources is available. The TexShare Consortium provides access to faculty, students and staff of participating state universities and college libraries including the University of Houston, Rice University, Houston Public Library and several other Houston area libraries.

## STUDENT ORGANIZATIONS

Student organizations operating in the Jesse H. Jones School of Business contribute significantly to the student's total educational experience. They are important vehicles for creative interaction among students, between students and faculty, and between students and their counterparts on other campuses. They also provide linkages between the School and the business and professional community.

### School-Wide Organizations

**The Mack H. Hannah Junior Chamber of Commerce** was named for a black pioneer business leader in Houston who also served as a University regent and benefactor of the School. This school-wide club is a central focus of extra-curricular efforts and serves as the student government organization within the Jesse H. Jones School of Business. In the latter function, it assures students a voice in all aspects of college life and affords them the opportunity to experience leadership and participatory governance.

**Students in Free Enterprise (SIFE)** creates and presents a wide variety of innovative community outreach projects. This provides an opportunity for students to make a difference and to develop leadership, teamwork, and communication skills through learning, practicing, and teaching the principles of free enterprise.

**The Student Business Leadership Organization (SBLO)** has as its mission the development of Jesse H. Jones School of Business students into community and corporate leaders by enhancing their skills, talents, and experiences. Membership qualifications include being an undergraduate major or minor in the Jesse H. Jones School of Business or pursuing the Master of Business Administration degree while having a grade point average of 2.70 or higher.

**The Graduate Student Association (GSA)** seeks to improve the quality of life for graduate students and enhance their profile by providing opportunities to further entrepreneurship and job placement, establishing a network with local, regional or national graduate business school chapters and graduate associations on the campus of Texas Southern University, promoting volunteerism and community awareness by establishing partnerships within the business community, and supporting graduate program student recruitment and retention.

**Computer and Information Technology Student Organization (CITSO)** provides a channel for communication between students and professional leadership within information systems environments, promotes volunteerism and community awareness by establishing partnerships within the business community. Membership mainly consists of management information systems and computer science majors.

**Beta Gamma Sigma** is the honor society serving business programs accredited by The Association to Advance Collegiate Schools of Business (AACSB) International. Membership in Beta Gamma Sigma is the highest recognition a business student anywhere in the world can receive in a business program accredited by AACSB International. The mission of Beta Gamma Sigma is to encourage and honor academic achievement in the study of business along with personal and professional excellence in the practice of business.

### Accounting Organizations

**Beta Alpha Psi** is a national scholastic and professional accounting fraternity. The Delta Xi Chapter was established at Texas Southern University in 1975 for the purpose of encouraging and recognizing scholastic and professional excellence in the field of accounting. To achieve this purpose or objective, Beta Alpha Psi fosters the following: the promotion of the study and practice of accounting; the provision of opportunities for self-development and association among members and practicing accountants; and the encouragement of a sense of ethical, social, and public responsibilities. The minimum scholastic requirement for juniors and seniors to be members is a cumulative GPA of 3.00 in accounting courses. Also, students must have completed Accounting 231, 232, and 331 for admission.

**The National Association of Black Accountants (NABA)** is a national organization of accounting students. Its purpose is to promote professional development in accounting, encourage and help members of minority groups entering the accounting

profession, and provide assistance in developing accounting education for members of minority groups. The student chapter at Texas Southern University was organized in 1975, and membership is open to all students majoring in accounting or those who have expressed a desire to enter the accounting profession.

### **Entrepreneurship Organization**

**Entrepreneurship Club** has the following purpose and mission to allow students with an entrepreneurial spirit to have a place to learn about entrepreneurship in a more personal and applied manner and to give student entrepreneurs the necessary and appropriate tools for starting and running a successful business of their own.

### **Finance Organization**

**The Urban Financial Services Coalition** plans and executes activities designed to reinforce the theoretical base provided in the classroom with knowledge and insights gained through real-world exposure in the field of finance. This organization further serves as a forum for social and other extra-curricular activities designed to enrich the academic experience of finance majors.

### **Marketing Organization**

The **American Marketing Association (AMA)** is a national organization that serves to instill a desire in students to develop excellence in marketing and to provide them access to the professional enrichment activities provided by the national organization.

## **RIGHT TO MODIFY**

The information contained in this bulletin is considered to be descriptive in nature and not contractual. The University reserves the right to change any policy or requirement at any time during the time that a student is enrolled. Courses are also subject to change.

## **DESCRIPTION OF DEPARTMENTS IN THE SCHOOL**

The three departments housed in the Jesse H. Jones School of Business are described in detail on the pages that follow. They are described in the following order: Department of Accounting, Department of Finance and Economics, and Department of Business Administration.

## DEPARTMENT OF ACCOUNTING AND FINANCE

The Department of Accounting and Finance offers courses in Accounting (ACCT), Finance (FIN), Business Law, and Insurance (INS) at both the undergraduate and graduate levels. The Department offers the Bachelor of Business Administration (B.B.A.) degree in Accounting and the Bachelor of Business Administration (B.B.A.) degree in Finance. A minor in Accounting and a minor in Finance are offered through the Department. Members of the Department are located on the third floor of the Jesse H. Jones School of Business building in Suite 356.

The Department seeks to fulfill a primary mission of delivering quality instruction that provides students with:

- A general education foundation,
- A comprehensive understanding of general business concepts and principles,
- The requisite conceptual and technical knowledge of accounting and finance, and
- The basis for multi-dimensional roles required of professional accountants and financial managers.

Requirements for the B.B.A. degree in Accounting and the B.B.A. degree in Finance are summarized in this section, including exact course requirements (and their sequencing) and credits needed for graduation. In pursuing a degree in Accounting or in Finance, a total of 120 semester credit hours are required. Students are not required to declare a minor in another academic discipline. Students seeking either a major or a minor in Accounting or in Finance must first gain admission to the Department of Accounting and Finance through the procedures outlined below.

Students wishing to pursue a major or minor in Accounting or a major or minor in Finance must petition for admission to the Department of Accounting and Finance. The appropriate forms are available in the Office of Business Student Services in the Jesse H. Jones School of Business building in Suite 117. Students must also meet prerequisite(s) for courses required as described in the course descriptions sections. Transfer students must meet all admission requirements of the University, be in good standing at former institution(s) of attendance, and have met TSI requirements or equivalents to be considered for admission to the Department. Grades below “C” will not be accepted for transfer credit. Students applying for admission, who are not transfer students, are also responsible for verifying their TSI or equivalent status with the University’s TSI Testing Coordinator. Transcripts of all college work must be forwarded to or presented to the Office of Business Student Services. Once admitted to the Department of Accounting and Finance, students are required to seek advisement through the Office of Business Student Services and to keep that office apprised of changes in address and telephone number.

For students majoring in other academic disciplines who wish to pursue a minor in Accounting or a minor in Finance, twenty-one (21) semester credit hours are required. See degree program schedule of courses in the Accounting and Finance areas. Students are cautioned that grades of “C-” are not accepted for the twenty-one (21) semester credit hours referenced.

Graduation requirements include the following: (1) grades of “C” or better in all major courses (grades of “C-” are not accepted); (2) no more than two grades below “C-” in Business Core courses; (3) an overall GPA of 2.00 or better; and (4) an overall GPA of 2.50 or better in the major courses.

The Texas Legislature has passed a bill regarding the requirements to sit for the Certified Public Accountant (CPA) examination. In its present format, Texas candidates for the CPA examination must meet the 150-semester credit hour requirement before applying to sit for the CPA examination. To help meet this requirement, the Department is offering an accounting concentration in the MBA program that will enable students to meet the education requirements for CPA licensure as well as provide an opportunity to earn a Master of Business Administration (MBA) degree. The requirements and course offerings for the MBA program is described in the Graduate School Bulletin of Texas Southern University.

Students should read all general policies and information related to the Jesse H. Jones School of Business prior to acceptance into this instructional unit as a major or degree seeker.

In summary, interested students must do the following: (1) gain admission to the University; (2) fulfill prerequisite requirements for a major or minor in Accounting or Finance as specified in this section; (3) satisfy TSI or equivalent status with the University’s TSI Testing Coordinator; and (4) apply for admission to the Department as either a major or minor. Once admission has been obtained, students must seek advisement from the Office of Business Student Services before attempting to complete degree requirements. Questions may be directed to the Departmental Office at (713) 313-7590 or (713) 313-7505.

<p><b>Ayadi, O. Felix</b>  JP Morgan Chase Endowed Professor of Finance  B.S., M.S., University of Lagos  Ph.D., University of Mississippi</p>	<p><b>Pitre, Richard</b>  Distinguished Professor  B.S., Southern University  M.B.A., Atlanta University  Ph.D., University of Houston  CPA</p>
<p><b>Boyd, Joseph L.</b>  Distinguished Professor  B.S., M.S., Ph.D., University of South Carolina  CPA</p>	<p><b>Raghavan, Kamala</b>  Professor  B.Sc., Calcutta University  M.S. Simmons College  M.B.A. Northeastern University  D.B.A., Cleveland State University  CPA, CFP, CFF</p>
<p><b>Chatterjee, Amitava</b>  Professor  B.S., M.S., University of Calcutta  Ph.D., University of Mississippi</p>	<p><b>Rudley, John M.</b>  Distinguished Professor  B.B.A., University of Toledo  M.Ed., ED.D., Tennessee State University  CPA</p>
<p><b>Fernandez, Adriana Z.</b>  Visiting Assistant Professor  M.A., Ph.D., University of Houston  B.A., University of Texas at El Paso  B.A., National University of Mexico</p>	<p><b>Saunders, William T.</b>  Associate Professor  B.A. Southwest Missouri State University  J.D., Indiana School of Law</p>
<p><b>Iqbal, Zahid</b>  Professor  Bachelor of Commerce, University of Dhaka  M.B.A., East Tennessee State University  Ph.D., University of North Texas</p>	<p><b>Tai, Chu-Sheng</b>  Professor  B.S., National Cheng Kung University  M.S., Golden State University  M.A., M.A.S., Ph.D. Ohio State University</p>
<p><b>O, Sewon</b>  Professor  B.A., Yonsei University  M.S., Ph.D., Mississippi State University  CPA</p>	<p><b>Wang, Kun</b>  Professor  B.S., Shanxi Finance and Economics University  M.S., New Mexico State University  Ph.D., Texas A&amp;M University</p>
<p><b>Perkins, Carlton</b>  Professor  B.S., Norfolk State College  M.B.A., J.D., Texas Southern University  CPA</p>	

## ACCOUNTING COURSES

- ACCT 231**                    **Principles of Accounting I**                    **(3)**  
Fundamental concepts of double-entry theory, recording procedures, worksheet techniques, and financial statement preparation. Accounting for cash, receivables, inventories, plant assets, liabilities, and equity. Three hours of lecture per week. Prerequisites: MATH 133 or MATH 135 and MATH 138. **Listed as ACCT 2301 in the Texas Common Course Numbering System.**
- ACCT 232**                    **Principles of Accounting II**                    **(3)**  
Emphasis on the preparation of reports and the use of accounting data for internal management. Three hours of lecture per week. Prerequisite: ACCT 231 **Listed as ACCT 2302 in the Texas Common Course Numbering System.**
- ACCT 300**                    **Accounting Information Systems**                    **(3)**  
Inquiry into the fundamental principles and concepts underlying accounting information systems. Three hours of lecture per week. Prerequisites: ACCT 231 with a grade of C or better and ACCT 232 with a grade of C or better.
- ACCT 331**                    **Intermediate Accounting I**                    **(3)**  
Techniques in adjusting, correcting, and revising accounting records and statements. Conventional standards and acceptable alternatives in accounting for cash, receivables, liabilities, and inventories. Three hours of lecture per week. Prerequisite: ACCT 231 with a grade of C or better.
- ACCT 332**                    **Intermediate Accounting II**                    **(3)**  
Accounting procedures for plant assets and intangible assets, liabilities and equity requirements peculiar to corporate accounting, analysis and interpretation of accounting data, and current trends in the application of basic concepts. Three hours of lecture per week. Prerequisite: ACCT 331 with a grade of C or better.
- ACCT 334**                    **Federal Income Tax Accounting**                    **(3)**  
Interpretation of the Internal Revenue Code and related regulations and instructions. Concepts of income tax determination and reporting requirements for individuals, partnerships, and corporations; payroll tax requirements and reporting procedures. Three hours of lecture per week. Prerequisites: ACCT 231 with a grade of C or better and ACCT 232 with a grade of C or better.
- ACCT 335**                    **Income Tax Practicum**                    **(3)**  
Preparation of federal income tax returns for individuals as part of the Voluntary Income Tax Assistance program. Students provide tax compliance services and prepare tax returns primarily for individuals who cannot afford professional tax services. Prerequisites: ACCT 334 with grade of C or better and approval by the Accounting Coordinator.
- ACCT 336**                    **Cost Accounting**                    **(3)**  
Provision of a basis for using Accounting as a management tool through the development of knowledge of accounting techniques for planning, controlling, and product costing. Three hours of lecture per week. Prerequisites: ACCT 231 with a grade of C or better and ACCT 232 with a grade of C or better.
- ACCT 339**                    **Business Law**                    **(3)**  
Study of the basic legal concepts and principles pertaining to fundamental business transactions and of the Uniform Commercial Code. Three hours of lecture per week. Prerequisite: BADM 234.

<b>ACCT 400</b>	<b>Introduction to Energy Accounting</b>	<b>(3)</b>
	Financial reporting and tax practices of the energy industry. Accounting for cost activities relating to, acquisition of mineral interest in properties, exploration, development and production of oil and gas. Designed to enhance knowledge and skill level of accounting students in order to improve their accounting skills and marketability in the global energy market. Prerequisite: ACCT 331.	
<b>ACCT 430</b>	<b>Ethics for Accountants</b>	<b>(3)</b>
	Philosophical understanding of ethical complexities of the modern business enterprise and a fundamental base of ethical knowledge necessary for a career in Accounting and Finance. Prerequisite: Senior standing.	
<b>ACCT 431</b>	<b>Advanced Accounting</b>	<b>(3)</b>
	Accounting for mergers and acquisitions, multinational accounting, and translation of foreign currency financial statements. Three hours of lecture per week. Prerequisites: ACCT 331 with a grade of C or better and ACCT 332 with a grade of C or better.	
<b>ACCT 433</b>	<b>Auditing</b>	<b>(3)</b>
	Introduction to general auditing objectives and study of auditing principles, techniques, and internal controls. Prerequisites: ACCT 331 with a grade of C or better, ACCT 332 with a grade of C or better and ACCT 300 with a grade of C or better.	
<b>ACCT 436</b>	<b>Federal Income Tax Accounting II</b>	<b>(3)</b>
	Continuation of ACCT 334 with emphasis on research in taxation; accounting methods; payment of taxes; guides for partnerships, estates, trusts, and corporations; preparation and filing of required returns. Three hours of lecture per week .Prerequisite: ACCT 334 with a grade of C or better.	
<b>ACCT 438</b>	<b>Governmental and Not-For-Profit Accounting</b>	<b>(3)</b>
	An introduction to budgeting, accounting, and financial reporting of governmental entities as well as private and public not-for-profit organizations. Prerequisite: ACCT 331 with a grade of C or better.	
<b>ACCT 445</b>	<b>Contemporary Topics in Accounting</b>	<b>(3)</b>
	Applied study and research on emerging issues in the field of Accounting and Information Systems. Three hours of lecture per week. Prerequisites: Junior or senior status and consent of the instructor.	
<b>ACCT 446</b>	<b>Accounting Internship</b>	<b>(3)</b>
	Faculty supervised work experience where written reports are required. Prerequisites: Junior or senior status and consent of the instructor	



**CURRICULUM SUMMARY FOR THE  
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN ACCOUNTING  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (ACCOUNTING)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	57 credits	21 credits
<u>Communication:</u>		School Core Requirements (30)	ECON 232 (3)
ENG 131 (3) **	ENGL 1301	ACCT 231 (3)	MATH 138 (3)
ENG 132 (3)	ENGL 1302	ACCT 232 (3)	MGSC 239 (3)
<u>Mathematics:</u>		BADM 101 (3)	FS 102 (1)
MATH 135(3)	MATH 1324	BADM 230 (3)	General Electives (11)****
<u>Life and Physical Sciences:</u>		BADM 234 (3)	
CHEM 131 BIOL 143 (3)	CHEM 1311 BIOL 1308	FIN 301 (3)	
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3)	CHEM 1312 BIOL 2301 GEOL 1303 PHYS 1315 PHYS 1301 PHYS 1302 PHYS 2325	MGMT 300 (3)	
<u>Language, Philosophy, and Culture:</u>		MKTG 306 (3)	
ENG 230 (3) ENG 231 (3) ENG 235 (3) ENG 244 (3)	ENGL 2332 ENGL 2333 ENGL 2328 ENGL 2326	MGSC 302 (3)	
<u>Creative arts:</u>		BADM 450 (3)	
MUSI 136 or MUSI 239 or THEA 130 or ART 135 or ART 137	MUSI 1306 MUSI 1315 DRAM 1310 ARTS 1301 HUMA 2323	Major Requirements (27)	
<u>American History:</u>		ACCT 300 (3)	
HIST 231 (3)	HIST 1301	ACCT 331 (3)	
HIST 232 (3)	HIST 1302	ACCT 332 (3)	
<u>Government/Political Science:</u>		ACCT 334 (3)	
POLS 235 (3)	GOVT 2305	ACCT 336 (3)	
POLS 236 (3)	GOVT 2306	ACCT 433 (3)	
<u>Social and Behavioral Sciences:</u>		ACCT Electives (9)***	
ECON 231 (3)	ECON 230 1		
<u>Institutional Options:</u>			
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315		
MIS 204 (3)	COSC 1301		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ACCT Electives must be 300-or 400-level accounting courses.

\*\*\*\*General Elective can be any business or non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN ACCOUNTING  
DEGREE PLAN – TOTAL CREDITS: 120**

<b>First Year</b>	<b>FIRST SEMESTER</b>		<b>SECOND SEMESTER</b>	
	FS 102 Freshman Seminar	1	ENG 132 Freshman English II	3
	BADM 101 Introduction to Business	3	MATH 138 Math for Bus Econ Analysis II	3
	ENG 131 Freshman English I	3	MIS 204 Fundamentals of Info Systems	3
	MATH 135 Math for Bus Econ Analysis I	3	BADM 230 Advanced Communication Skills	3
	SC 135 Business & Professional Comm	3	Life and Physical Sciences Biol 143	3
	Creative Arts MUSI 239 or THEA 130	3		
	<b>16 hrs</b>		<b>15 hrs</b>	
<b>Second Year</b>	<b>THIRD SEMESTER</b>		<b>FOURTH SEMESTER</b>	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
	BADM 234 Legal & Reg Envir of Bus	3	Language, Philosophy, and Culture Eng 2XX	3
	Life and Physical Sciences Geol 141	3	ECON 231 Principles of Economics I	3
	<b>15 hrs</b>		<b>15 hrs</b>	
<b>Third Year</b>	<b>FIFTH SEMESTER</b>		<b>SIXTH SEMESTER</b>	
	ECON 232 Principles of Economics II	3	ACCT 300 Information Systems	3
	MKTG 306 Principles of Marketing	3	ACCT 332 Intermediate Accounting II	3
	MGSC 239 Business Statistics I	3	ACCT 334 Federal Income Tax	3
	FIN 301 Basic Financial Management	3	MGSC 302 Operations Management I	3
	ACCT 331 Intermediate Accounting I	3	General Elective	3
	<b>15 hrs</b>		<b>15 hrs</b>	
<b>Fourth Year</b>	<b>SEVENTH SEMESTER</b>		<b>EIGHTH SEMESTER</b>	
	ACCT 336 Cost Accounting	3	ACCT Elective	3
	ACCT 433 Auditing	3	ACCT Elective	3
	ACCT Elective	3	BADM 450 Organizational Policy & Strategy	3
	MGMT 300 Principles of Management	3	General Elective	3
	General Elective	3	General Elective	2
	<b>15 hrs</b>		<b>14 hrs</b>	

<b>Accounting Minor for Non-Business Majors – Total Credits: 21</b>	
ACCT 231	3
ACCT 232	3
ACCT 331	3
BADM 234	3
MGMT 300	3
Accounting Electives*	6
	21 hrs

\*300- or 400-level accounting course

## FINANCE COURSES

<b>FIN 300</b>	<b>Personal Finance</b>	<b>(3)</b>
	Various aspects of personal and family finances including financial goal setting, budgeting, use of credit, investments, insurance, estate planning, retirement planning, taxation and housing. Three hours of lecture per week. Prerequisites: ACCT 231 and ACCT 232.	
<b>FIN 301</b>	<b>Basic Financial Management</b>	<b>(3)</b>
	Introduction to financial markets, mathematics of finance, capital budgeting, valuation, and international finance. Three hours of lecture per week. Prerequisites: ACCT 231, ACCT 232, and ECON 231.	
<b>FIN 302</b>	<b>Management of Financial Institutions</b>	<b>(3)</b>
	Asset and liability management in the context of risk, liquidity, and profitability in the Financial Services Industry. Three hours of lecture per week. Prerequisite: FIN 301.	
<b>FIN 303</b>	<b>Treasury Management</b>	<b>(3)</b>
	Issues and current developments in cash and treasury management as a part of the Corporate Treasury Management (CTM) program. Successful completion of this course with a grade of "B" or higher will satisfy the eligibility criteria for students to sit for the Certified Treasury Professional (CTP) exam offered by the Association for Finance Professionals (AFP). Three hours of lecture per week. Prerequisite: FIN 301.	
<b>FIN 304</b>	<b>Finance Boot Camp</b>	<b>(3)</b>
	This course is designed for students to develop an understanding of investment banking and the role played by financial analysts in the valuation of corporations. Three hours of lecture per week.	
<b>FIN 312</b>	<b>Investments</b>	<b>(3)</b>
	Types of investments; securities exchanges; market indexes; quotations; practices, procedures, and evaluations relating to stocks, bonds, and mutual fund trading; the international financial environment. Three hours of lecture per week. Prerequisite: FIN 301.	
<b>FIN 338</b>	<b>International Finance</b>	<b>(3)</b>
	Introduction to the international financial environment and international financial tools and techniques, including the foreign exchange markets, exchange rates, financing international operations, and foreign investments. Three hours of lecture per week. Prerequisite: FIN 301.	
<b>FIN 403</b>	<b>Corporate Financial Management</b>	<b>(3)</b>
	In-depth study of capital budgeting, financing, dividends, and related issues in the context of risk, return, and creation of value. Three hours of lecture per week. Prerequisite: FIN 301.	
<b>FIN 405</b>	<b>Real-World Financial Training</b>	<b>(3)</b>
	This course provides training on financial statement analysis, corporate finance, excel, financial modeling, valuation modeling and mergers and acquisition modeling. Three hours of lecture per week. Prerequisite: FIN 301.	
<b>FIN 411</b>	<b>Introduction to Derivatives</b>	<b>(3)</b>
	Introduction to derivative instruments such as forwards, futures, options, and swaps. Emphasis is placed on the framework for pricing derivatives and strategies used to achieve various hedging and risk management objectives. Three hours of lecture per week. Prerequisite: FIN 301.	
<b>FIN 412</b>	<b>Finance: Cases and Readings</b>	<b>(3)</b>

Analysis of case problems in finance utilizing the tools and techniques developed in prior courses. Also includes readings on current financial events. Three hours of lecture per week. Prerequisites: FIN 301, FIN312, and FIN 403.

- FIN 413**                      **Risk Management and Insurance**                      **(3)**  
Fundamentals of risk management and insurance including the nature of potential loss exposures and alternative methods of managing them. Three hours of lecture per week. Prerequisite: FIN 301.
- FIN 414**                      **Real Estate Finance**                      **(3)**  
Knowledge of basic real estate theory and practice. Emphasis is placed on applying this knowledge to different areas of modern day real estate business and to issues in real estate practice. Three hours of lecture per week. Prerequisite: FIN 301.
- FIN 415**                      **Small Business and Entrepreneurial Finance**                      **(3)**  
Application of the theories and concepts of financial issues within the framework of small business and entrepreneurship. Topics include financial analysis and forecasting, valuations, investment and growth strategies. Three hours of lecture per week. Prerequisite: FIN 301.
- FIN 417**                      **Understanding Global Energy Markets**                      **(3)**  
This course provides a review of natural gas, oil and petroleum products, coal, liquefied natural gas and electricity including energy forecasting and supply and cost curves. Three hours of lecture per week. Prerequisite: FIN 301.
- FIN 418**                      **Financial Derivatives for Energy Markets**                      **(3)**  
The course provides comprehensive coverage of a wide range of financial derivative products including oil, natural gas, foreign exchange and interest rate markets. Three hours of lecture per week. Prerequisite: FIN 301.

#### **INSURANCE COURSES**

- INS 300**                      **General Insurance**                      **(3)**  
Nature and function of the insurance mechanism and a survey of the principal characteristics of the several branches into which the insurance industry is divided. Three hours of lecture per week. Prerequisite: 60 semester credits completed.
- INS 301**                      **Fundamentals of Life Insurance**                      **(3)**  
Functions and mechanics of life insurance; the life insurance contract; the rights of the insured, beneficiaries, and creditors. Some emphasis placed on interpreting mortality tables. Three hours of lecture per week. Prerequisite: 60 semester credits completed.
- INS 400**                      **Property Insurance Contracts**                      **(3)**  
Provisions of property and casualty insurance contracts. Considerable attention paid to commercial policy forms. Some emphasis placed on insurance company operations. Three hours of lecture per week. Prerequisite: 60 semester credits completed.
- INS 401**                      **Employee Benefits and Retirement Plans**                      **(3)**  
Exposure to major components of most benefit plans; health coverage, retirement, and disability plans. Features of group insurance covered in detail. Three hours of lecture per week. Prerequisite: 60 semester credits completed.
- INS 402**                      **Insurance Operations & Regulations**                      **(3)**

Fundamentals of insurance operations and regulations. Topics include underwriting, ratemaking, claim adjusting, and reinsurance. Some emphasis is placed on insurer financial statements and strategies. Prerequisite: 60 semester credits completed.

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN FINANCE  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (FINANCE)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	57 credits	21 credits
<b><u>Communication:</u></b>		<b>School Core Requirements (30)</b>	<b>ECON 232 (3)</b>
ENG 131 (3) **	ENGL 1301	ACCT 231 (3)	MATH 138 (3)
ENG 132 (3)	ENGL 1302	ACCT 232 (3)	MGSC 239 (3)
<b><u>Mathematics:</u></b>		BADM 101 (3)	FS102 (1)
MATH 135(3)	MATH 1324	BADM 230 (3)	<b>General Electives (11)</b>
<b><u>Life and physical sciences:</u></b>		BADM 234 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	FIN 301 (3)	
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or PHYS 1302 or PHYS 2325	MGMT 300 (3)	
<b><u>Language, philosophy, and culture:</u></b>		MKTG 306 (3)	
ENG 2xx (3) ***		MGSC 302 (3)	
<b><u>Creative arts:</u></b>		BADM 450 (3)	
MUSI 136 or MUSI 239 or THEA 130 or ART 135 or ART 137	MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1301 or HUMA 2323	<b>Major Requirements(7)</b>	
<b><u>American history:</u></b>		FIN 302 (3)	
HIST 231 (3)	HIST 1301	FIN 312 (3)	
HIST 232 (3)	HIST 1302	FIN 338 (3)	
<b><u>Government/political science:</u></b>		FIN 403 (3)	
POLS 235 (3)	GOVT 2305	MIS 304 (3)	
POLS 236 (3)	GOVT 2306	300- or 400-level ACCT (3)	
<b><u>Social and behavioral sciences:</u></b>		Restricted Electives (9)****	
ECON 231 (3)	ECON 230 1		
<b><u>Institutional Options:</u></b>			
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315		
MIS 204 (3)	COSC 1301		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\*Restricted Electives must be 300- or 400-level finance or accounting courses.

\*\*\*\*General Elective can be any business or non-business course.



**BACHELOR OF BUSINESS ADMINISTRATION  
DEGREE IN FINANCE DEGREE PLAN – TOTAL CREDITS: 120**

		FIRST SEMESTER		SECOND SEMESTER	
<b>First Year</b>	FS 102 Freshman Seminar	1	ENG 132 Freshmen English II	3	
	BADM 101 Introduction to Business	3	MATH 138 Math for Bus Econ Analysis II	3	
	ENG 131 Freshman English I	3	MIS 204 Fundamentals of Info Systems	3	
	MATH 135 Math for Bus Econ Analysis I	3	BADM 230 Advanced Communication Skills	3	
	SC 135 Business & Professional Comm	3	Life and Physical Sciences Biol 143	3	
	Creative Arts MUSI 239 or THEA 130	3			
		<b>16 hrs</b>		<b>15 hrs</b>	
		THIRD SEMESTER		FOURTH SEMESTER	
<b>Second Year</b>	POLS 235 American Government	3	POLS 236 Texas Government	3	
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3	
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3	
	BADM 234 Legal & Reg Envir of Bus	3	Language, Philosophy, and Culture	3	
	Life and Physical Sciences Geol 141	3	ECON 231 Principles of Economics I	3	
			<b>15 hrs</b>		<b>15 hrs</b>
		FIFTH SEMESTER		SIXTH SEMESTER	
<b>Third Year</b>	ECON 232 Principles of Economics II	3	FIN 312 Investments	3	
	MKTG 306 Principles of Marketing	3	FIN Elective	3	
	MGSC 239 Business Statistics I	3	300- or 400-level ACCT	3	
	FIN 301 Basic Financial Management	3	MGSC 302 Operations Management I	3	
	MIS 304 Information Technology	3	General Elective	3	
			<b>15 hrs</b>		<b>15 hrs</b>
		SEVENTH SEMESTER		EIGHTH SEMESTER	
<b>Fourth Year</b>	FIN 302 Mgmt of Financial Institutions	3	FIN 403 Corporate Financial Management	3	
	FIN 338 International Finance	3	FIN Elective	3	
	FIN Elective	3	BADM 450 Organizational Policy & Strategy	3	
	MGMT 300 (Principles of Management)	3	General Elective	3	
	General Elective	3	General Elective	2	
			<b>15 hrs</b>		<b>14 hrs</b>

## DEPARTMENT OF BUSINESS ADMINISTRATION

The Department of Business Administration offers courses in Business Administration (BADM) and the following functional business disciplines: Management (MGMT), Management Information Systems (MIS), Management Science (MGSC), and Marketing (MKTG) at both the undergraduate and graduate levels. **The Department offers the Bachelor of Business Administration (B.B.A.) degree in Management, Management Information Systems, and Marketing at the undergraduate level and the Master of Business Administration (M.B.A.) degree in Business Administration, the online Executive Master of Business Administration (EMBA) degree, and, the Master of Science (M.S.) degree in Management Information Systems at the graduate level. Two minors are offered in Business Administration and Entrepreneurship at the undergraduate level. Also, one concentration is offered in Human Resource Management in the Management major. Members of the Department are located on the third floor of the Jesse H. Jones School of Business building in Suites 315 and 340.**

**Students interested in the graduate degree programs should refer to the Graduate School Bulletin of Texas Southern University for details.**

The mission of the Department of Business Administration is to prepare students for positions of leadership, trust, and responsibility in business, government, entrepreneurial, and community service organizations. The Department offers the foundation business courses (except Accounting, Business Law, and Finance) and provides the curriculum of study for Management, Management Information Systems, and Marketing majors.

Requirements for the Bachelor of Business Administration (B.B.A.) degree in Management, the Bachelor of Business Administration (B.B.A.) degree in Management Information Systems, and the Bachelor of Business Administration (B.B.A.) degree in Marketing are summarized in this section, including course requirements (and their sequencing) and credits needed for graduation. In pursuing a degree in Management, Management Information Systems or Marketing, a total of 120 semester credit hours are required. **Students are not required to declare a minor in another academic discipline.** Students seeking a major in Management, Management Information Systems, or Marketing or a minor in Business Administration or Entrepreneurship must first gain admission to the Department of Business Administration through the procedures outlined below.

Students wishing to pursue a major in Management, Management Information Systems, or Marketing or a minor in Business Administration or Entrepreneurship should indicate their preference on the application for admission to the University. Students who seek to change their major to Management, Management Information Systems, or Marketing must petition for admission to the Department of Business Administration. The appropriate forms are available in the Office of Business Student Services in the Jesse H. Jones School of Business building in Suite 117. Students must also meet prerequisite(s) for courses required as described in the course descriptions section. Transfer students must meet all admission requirements of the University, be in good standing at former institution(s) of attendance, and have met TSI and or equivalent requirements to be considered for admission to the Department. Grades below “C” in business courses will not be accepted for transfer credit. Students applying for admission, who are not transfer students, are also responsible for verifying their TSI or equivalent status with the University's TSI Testing Coordinator. Transcripts of all college work must be forwarded to or presented to the Office of Admissions where they will be routed to Business Student Services. Once admitted to the Department of Business Administration, students are required to seek advisement through the Office of Business Student Services and to keep that office apprised of changes in address and telephone number.

For students majoring in other academic disciplines who wish to pursue a minor in Business Administration or Entrepreneurship, twenty-one (21) semester credit hours are required. See degree program schedule of courses in this section of the catalog. **Students are cautioned that grades of “C-” are not accepted for the twenty-one (21) semester credit hours referenced.**

Graduation requirements include the following: (1) grades of “C” or better in the major courses (grades of “C-” are not accepted); (2) no more than two grades below “C-” in Business Core courses; (3) an overall GPA of 2.00 or better; and (4) an overall GPA of 2.50 or better in the major courses.

Students should read all general policies and information related to the Jesse H. Jones School of Business prior to acceptance into this instructional unit as a major or degree seeker.

In summary, interested students must do the following: (1) gain admission to the University; (2) fulfill prerequisite requirements for a major in Management, Management Information Systems or Marketing, or a minor in Business Administration or Entrepreneurship; (3) satisfy TSI requirements or equivalent with the University's TSI Testing Coordinator; and (4) apply for admission to the Department as either a major or minor. Once admission has been obtained, students must seek advisement from the Office of Business Student Services before attempting to complete degree requirements. Questions may be directed to the Department Office at (713) 313-7309 or (713) 313-7590.

## **Student Organizations**

### **Marketing Club**

The elite chapter of the American Marketing Association located on the campus of Texas Southern University is dedicated to promoting the awareness of marketing and its importance to the success of any business entity. We work toward developing the qualities of leadership and professionalism that drive academic excellence.

Goals:

1. Teach: We teach the importance of networking with our professional chapters to gain knowledge and reach them.
2. Success: Which is defined as our ability to attain goals we set each year, as well as, exceeding the initial goals.
3. This can only be achieved if we come together as ONE.
4. Unity: Unification will ensure that we deliver outstanding performance each year, and it will encourage our members to continue towards the success of our organization.

### **Computer and Information Technology Student Organization**

Purpose:

1. To be the governing body of the members primarily in the Management Information Systems and Computer Science departments at the Jesse H. Jones School of Business and The College of Science and Technology.
2. To provide a channel of communication between the students and professional leadership in technology focused positions.
3. To promote volunteerism and community awareness by establishing partnerships within the business community.
4. To coordinate and organize the annual Computer and Information Technology Week.

### **The Entrepreneurship Club**

1. Our Purpose: To allow students with an entrepreneurial spirit to have a place to learn about entrepreneurship in a more personal and applied manner.
2. Our Mission: To give student entrepreneurs the necessary and appropriate tools for starting and running a successful business of their own.

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Allagoa-Warren, Anthonia</b>  <b>Visiting Assistant Professor</b>            B.A., M.B.A., Ph.D., Texas Southern University</p>	<p><b>Parks-Yancy, Rochelle</b>  <b>Professor</b>            B.S., Central State University            M.B.A., Howard University            Ph.D., Rutgers University</p>
<p><b>Brice, Jeff</b>  <b>Professor</b>            B.S., Tuskegee Institute            M.B.A., Clark Atlanta University            Ph.D., Mississippi State University</p>	<p><b>Rajkumar, P.V.</b>  <b>Visiting Assistant Professor</b>            B.Eng., Periyar University            M.Eng., Anna University            Ph.D., Indian Institute of Technology</p>
<p><b>Claiborne, Claudius B.</b>  <b>Professor</b>            B.S., Duke University            M.E., Dartmouth College            M.B.A., Washington niversity            Ph.D., Virginia Polytechnic Institute and State University</p>	<p><b>Sahoo, Madhu Bala</b>  <b>Assistant Professor</b>            B.A., University of Delhi            M.A., Jamia Millia Islamia University            Ph.D., Xavier School of Management</p>
<p><b>Cooley, Delonia</b>  <b>Professor</b>            B.S., M.S., M.B.A., University of Arkansas Fayetteville            Ph.D., University of Memphis</p>	<p><b>Smith, Marion</b>  <b>Associate Professor</b>            B.S., Rensselaer Polytechnic Institute            M.B.A., Rensselaer Polytechnic Institute</p>
<p><b>Davis, Algenita</b>  <b>Visiting Associate Professor</b>            B.A., J.D., Howard University</p>	<p><b>Srinivasan, S.</b>  <b>Distinguished Professor</b>            M.A., University of Pittsburgh            M.S., University of Akron            Ph.D., University of Pittsburgh</p>
<p><b>Desai, Mayur</b>  <b>Professor</b>            B.S., University of Bombay            M.S., Texas A&amp;M University, Kingsville, TX            M.B.A., Harding Simmons University            Ph.D., University of North Texas</p>	<p><b>Superville, Claude</b>  <b>Professor</b>            B.B.A., Florida International University            M.S., Ph.D., University of Alabama</p>
<p><b>Hansen, David E.</b>  <b>Professor</b>            B.A., San Diego State University            M.B.A., University of California at Los Angeles            Ph.D., Duke University</p>	<p><b>Taylor, Richard</b>  <b>Associate Professor</b>            B.B.A., M.B.A., Midwestern State University            Ph.D., University of Houston</p>
<p><b>Koo, Jaekun</b>  <b>Assistant Professor</b>            B.S., Kyunghee University, Seoul, Korea            M.A., University of Florida, Gainesville, Florida            Ph.D., University of Massachusetts</p>	<p><b>Vanjani, Mahesh</b>  <b>Professor</b>            B.Com., University of Calcutta            M.B.A., M.A., University of Mississippi            Ph.D., University of Mississippi</p>
<p><b>Ojode, Lucy</b>  <b>Professor</b>            B. Com., University of Nairobi            M.B.A., University of Nairobi            Ph.D., University of Illinois, Urbana Champaign</p>	<p><b>Williams, John H.</b>  <b>Associate Professor</b>            B.S., Prairie View A &amp; M University            M.B.A., Ph.D., University of Texas at Austin</p>
<p><b>Owens, Judith</b>  <b>Visiting Assistant Professor</b>            M.Ed., Ed.D., University of Houston</p>	<p><b>Williams, Johnnie</b>  <b>Professor</b>            B.A., Rollins College            M.S., University of Tennessee            Ph.D., University of Tennessee</p>

<b>Woldie, Mammo</b> <b>Professor</b> B.A., Haile Selassie University M.S., Western Michigan University Ph.D., Oklahoma State	<b>Yorke, George G.</b> <b>Professor</b> B.A., M.S., Howard University Ph.D., University of Virginia
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## BUSINESS ADMINISTRATION COURSES

<b>BADM 101</b>	<b>Introduction to Business, Government, and Society</b> (3) Overview of the nature of business and its environment with focus on social responsibility, environmental/ecological issues, and ethics. Three hours of lecture per week.
<b>BADM 111</b>	<b>Leadership Development I</b> (1) Emphasizes the development of communication skills necessary for receiving and transmitting information and concepts. One hour of lecture per week.
<b>BADM 112</b>	<b>Leadership Development II</b> (1) Development of research skills necessary to locate, obtain, and organize information to solve unstructured problems in unfamiliar settings. One hour of lecture per week.
<b>BADM 230</b>	<b>Advanced Communication Skills</b> (3) Development of written communication, oral communication, and presentation skills in the context of critical issues for business. Three hours of lecture per week. Prerequisites: ENG 131, ENG 132, and SC 135.
<b>BADM 234</b>	<b>Legal and Regulatory Environment of Business</b> (3) Legal systems of government, business, and society, including coverage of ethics, contracts, business organizations, creditor/ debtor relationships, international law, environmental issues, and business regulation. Three hours of lecture per week.
<b>BADM 311</b>	<b>Leadership Development III</b> (1) Development of skills necessary to exercise judgment; introduction to ethical precepts in business. One hour of lecture per week.
<b>BADM 450</b>	<b>Organizational Policy and Strategy</b> (3) Integrative, problem-solving course on domestic and international top management problems, strategy, policy formulation, and execution. Three hours of lecture per week. Prerequisites: MGMT 300, FIN 301, MGSC 302, and MKTG 306.
<b>BADM 466</b>	<b>Business Internship</b> (3) Faculty supervised work experience where written reports are required. Prerequisites: At least Junior standing (60 semester hours completed) and consent of the instructor.

## ENTREPRENEURSHIP COURSES

<b>ENTP 300</b>	<b>Introduction to Entrepreneurship</b> (3) A comprehensive introduction to entrepreneurship. Basic topics include entrepreneurship, entrepreneurs, and new venture development. Individual and team projects including the development of introductory- level business plans. Three hours of lecture per week. Prerequisite: Completion of at least 60 semester credit hours or consent of the instructor.
<b>ENTP 330</b>	<b>New Venture Marketing</b> (3) A study of the fundamentals of marketing research, planning, and strategy as applied to new ventures. Major emphasis on developing market planning and research skills. Three hours of lecture per week. Prerequisite: ENTR 300.
<b>ENTP 335</b>	<b>Financial Foundations for New Ventures</b> (3) Foundational accounting and financial analysis for new ventures. Major emphasis on the production, integration, and interpretation of financial information for use in business planning and capital budgeting. Three hours of lecture per week. Prerequisites: ACCT 231 and ENTR 300.
<b>ENTP 420</b>	<b>Seminar in Entrepreneurship</b> (3) Capstone course in the entrepreneurship concentration. Major emphasis on entrepreneurial skill integration, case analysis, and the development and presentation of an advanced-level business plan. Three hours of lecture per week. Prerequisites: ENTR 300, ENTR 330, and ENTR 335.

## MANAGEMENT COURSES

<b>MGMT 300</b>	<b>Principles of Management</b> (3) Study of the processes of planning, organizing, directing, and controlling in the context of demographic diversity, globalization, and ethical decision making. Three hours of lecture per week. Prerequisite: 60 semester credit hours completed.
<b>MGMT 301</b>	<b>Foundations of Human Resource Management</b> (3) Policies, procedures, and strategies for human resource management. Topics include recruitment, selection and utilization, employee appraisal, compensation systems, and career planning. Three hours of lecture per week. Prerequisite: MGMT 300.
<b>MGMT 330</b>	<b>Organizational Behavior</b> (3) Applications for managing people in modern organizations. Topics include decision-making, motivation, leadership, power, conflict, stress, understanding individual differences, and diversity. Three hours of lecture per week. Prerequisite: 60 semester credit hours completed.
<b>MGMT 350</b>	<b>Critical Thinking and Problem-Solving Skills</b> (3) Critical thinking skills and the decision-making process with an emphasis on understanding and improving how we make effective and creative decisions. Three hours of lecture per week. Prerequisite: MGMT 330 or consent of the instructor.
<b>MGMT 395</b>	<b>Teambuilding and Organizational Change</b> (3) Effective group dynamics and understanding behavior in groups with attention to planning and managing change; individual, group, and system interventions; transformation; and re-engineering processes. Three hours of lecture per week. Prerequisite: MGMT 330.
<b>MGMT 400</b>	<b>Small Business Management</b> (3) Organizational and administrative problems of the small business manager with emphasis on the inner-city business person and urban development. Three hours of lecture per week. Prerequisite: MGMT 300 or consent of the instructor.
<b>MGMT 401</b>	<b>Leadership and Motivation</b> (3) Development of management skills, self-assessment for organizational settings, and the nature of leadership and motivation in theory and practice. Three hours of lecture per week. Prerequisite: MGMT 330.
<b>MGMT 402</b>	<b>International Management</b> (3) Management processes as they apply within different cultural environments with emphasis on contrasts among values, beliefs, perceptions, attitudes, and behavior, including consideration of their effects upon business. Three hours of lecture per week. Prerequisite: MGMT 300 or consent of the instructor.
<b>MGMT 405</b>	<b>Business, Government, and Society</b> (3) Historical and contemporary views of business as a social institution with a focus on social responsibility, environmental/ecological issues, and ethics. Three hours of lecture per week. Prerequisite: 60 semester credit hours completed.
<b>MGMT 407</b>	<b>The Legal Environment of Human Resource Management</b> (3) Employment laws relevant to human resources professionals, as well as how to apply the laws in various circumstances. Three hours of lecture per week. Prerequisite: MGMT 300.
<b>MGMT 408</b>	<b>Managing the Global Workforce</b> (3)



Managing human resources in global settings and distinguishing international HR practices from domestic HR practices. Three hours of lecture per week. Prerequisite: MGMT 300.

**MGMT 409**

**Human Resources Information Systems**

**(3)**

Human resources internet based and software applications. Students also learn contexts in which to apply the software and the importance of securing information. Three hours of lecture per week. Prerequisites: MGMT 300 and MGSC 304.

## MANAGEMENT INFORMATION SYSTEMS COURSES

<b>MIS 204</b>	<b>Fundamentals of Information Systems</b> (3) The management and use of Information Technology in business today by diverse individuals, groups, and organizations. Three hours of lecture per week.
<b>MIS 304</b>	<b>Information Technology</b> (3) Development of software skills and an appreciation of the role of information technology in modern organizations. Three hours of lecture per week. Prerequisite: MIS 204 or CS 116 and 60 semester credit hours completed
<b>MIS 310</b>	<b>Programming Concepts</b> (3) Basic concepts of software programming including the evolution of programming and its implications for businesses. Topics include design of programs using state of the art programming languages, object- oriented programming concepts, and problem-solving skills using software program. Three hours of lecture per week. Prerequisite: MIS 204.
<b>MIS 320</b>	<b>Hardware and Networking</b> (3) Basic understanding of the hardware components of information systems. The course will also address basic networking concepts and various networking approaches used in businesses. Three hours of lecture per week. Prerequisite: MIS 204
<b>MIS 340</b>	<b>Database Design and Development</b> (3) An introductory course in database technology. It provides students an understanding of developing data models and databases using Database Management Systems software. Three hours of lecture per week. Prerequisite: MIS 204.
<b>MIS 350</b>	<b>Advanced Programming</b> (3) Students will apply programming concepts learned in the first programming course to a business problem. Three hours of lecture per week. Prerequisites: MIS 310 and MIS 340.
<b>MIS 410</b>	<b>Systems Analysis and Design</b> (3) Information system development methods using state of the art software development tools. Three hours of lecture per week. Prerequisite: MIS 340.
<b>MIS 420</b>	<b>Web Development</b> (3) Web-based web development tools to design and develop a website. The course will help students develop basic skills to provide web-based solutions to business problems related to e-commerce. Three hours of lecture per week. Prerequisite: MIS 310.
<b>MIS 450</b>	<b>Information Technology Security</b> (3) A course that will expose students to information technology security concepts. Three hours of lecture per week. Prerequisite: MIS 320.
<b>MIS 460</b>	<b>Enterprise Resource Planning</b> (3) Enterprise Resource Planning (ERP) that will provide students with an understanding of integrating functional information systems in an organizational setting. Basic concepts of popular ERP software will also be introduced. Three hours of lecture per week. Prerequisite: MIS 410.



## MARKETING COURSES

- MKTG 306**                      **Principles of Marketing**                      **(3)**  
Marketing functions and environmental factors related to satisfying consumer needs. Legal, behavioral, ethical, competitive, economic, and technological factors discussed as they affect marketing decisions. Three hours of lecture per week. Prerequisite: 60 semester credit hours completed.
- MKTG 307**                      **Marketing Channels and Institutions**                      **(3)**  
Institutional, functional, and social aspects of distribution channel design and management with emphasis on retail management. Three hours of lecture per week. Prerequisite: MKTG 306.
- MKTG 336**                      **Marketing Communications**                      **(3)**  
Design and evaluation of marketing communications: communication theory, theories of persuasion and attitude change, promotion mix decisions, and advertiser-agency relationship. Three hours of lecture per week. Prerequisite: MKTG 306.
- MKTG 430**                      **Marketing Decision Making: Theory and Practice**                      **(3)**  
Role of information in marketing decision making with emphasis on the application of research concepts and methodologies to marketing problems. Three hours of lecture per week. Prerequisites: MGSC 239 and MKTG 306.
- MKTG 431**                      **Entrepreneurial Marketing**                      **(3)**  
Planning, developing, and implementing marketing programs for entrepreneurial opportunities. Three hours of lecture per week. Prerequisite: MKTG 306 or consent of the instructor.
- MKTG 432**                      **International Marketing**                      **(3)**  
Problems and procedures for marketing in foreign countries: effects of foreign cultures and marketing systems on design and execution of marketing. Three hours of lecture per week. Prerequisite: MKTG 306 or consent of the instructor.
- MKTG 435**                      **Strategic Marketing Management**                      **(3)**  
Strategic marketing management concepts: market opportunity analysis; market segmentation, targeting, and positioning; marketing mix strategies; and the marketing control process. Three hours of lecture per week. Prerequisites: MKTG 430 and 90 semester credit hours completed.
- MKTG 444**                      **Professional Selling**                      **(3)**  
The universal need for sales, improving sales skills, characteristics and tools needed for success in the profession. Three hours of lecture per week

**CURRICULUM SUMMARY FOR  
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MANAGEMENT)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	57 credits	21 credits
<b>Communication:</b>		<b>School Core Requirements (30)</b>	ECON 232 (3)
ENG 131 (3) **	ENGL 1301	ACCT 231 (3)	FS 102 (1)
ENG 132 (3)	ENGL 1302	ACCT 232 (3)	MATH 138 (3)
<b>Mathematics:</b>		BADM 101 (3)	MGSC 239 (3)
MATH 135 (3)	MATH 1324	BADM 230 (3)	General Electives (11)****
<b>Life and physical sciences:</b>		BADM 234 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	FIN 301 (3)	
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or PHYS 1302 or PHYS 2325	MGMT 300 (3)	
<b>Language, philosophy, and culture:</b>		MKTG 306 (3)	
ENG 2xx (3) ***		MGSC 302 (3)	
<b>Creative arts:</b>		BADM 450 (3)	
MUSI 136 or MUSI 239 or THEA 130 or ART 135 or ART 137 (3)	MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1301 or HUMA 2323		
<b>American history:</b>		<b>Major Requirements(27)</b>	
HIST 231 (3)	HIST 1301	MGMT 301 (3)	
HIST 232 (3)	HIST 1302	MGMT 330 (3)	
<b>Government/political science:</b>		MGMT 395 (3)	
POLS 235 (3)	GOVT 2305	ENTR 300 (3)	
POLS 236 (3)	GOVT 2306	MGMT 401 (3)	
<b>Social and behavioral sciences:</b>		MGMT 402 (3)	
ECON 231 (3)	ECON 2301	MGSC 303 (3)	
<b>Institutional Options:</b>		MIS 304 (3)	
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	MGSC 331 (3)	
MIS 204 (3)	COSC 1301		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\*General Elective can be any business or non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT  
DEGREE PLAN– TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	FS 102 Freshman Seminar	1	ENG 132 Freshman English II	3
	BADM 101 Introduction to Business	3	MATH 138 Math for Bus Econ Analysis II	3
	ENG 131 Freshman English I	3	MIS 204 Fundamentals of Information Systems	3
	MATH 135 Math for Bus Econ Analysis I	3	BADM 234 Legal & Reg Envir of Bus	3
	SC 135 Business & Professional Comm	3	Life and Physical Sciences	3
	Creative Arts	3		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
	BADM 230 Advanced Communication Skills	3	Language, Philosophy, and Culture	3
	Life and Physical Sciences	3	ECON 231 Principles of Economics I	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 232 Principles of Economics II	3	MGMT 301 Personnel and Manpower Dev	3
	MGMT 300 Principles of Management	3	MGSC 302 Operations Management I	3
	MGSC 239 Business Statistics I	3	MGMT 330 Organizational Behavior	3
	MIS 304 Information Technology	3	ENTR 300 Introduction to Entrepreneurship	3
	FIN 301 Basic Financial Management	3	General Elective	3
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MGMT 395 Team building and Org Change	3	BADM 450 Organizational Policy & Strategy	3
	MGSC 303 Operations Management II	3	MGMT 401 Leadership and Motivation	3
	MGSC 331 Business Statistics II	3	MGMT 402 International Management	3
	MKTG 306 Principles of Marketing	3	General Elective	3
	General Elective	3	General Elective	2
	<b>15 Hrs</b>		<b>14 Hrs</b>	

**CURRICULUM SUMMARY FOR  
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT WITH HUMAN RESOURCE  
MANAGEMENT CONCENTRATION TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MANAGEMENT)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	57 credits	21 credits
<b><u>Communication:</u></b>		<b>School Core Requirements (30)</b>	ECON 232 (3)
ENG 131 (3) **	ENGL 1301	ACCT 231 (3)	FS 102 (1)
ENG 132 (3)	ENGL 1302	ACCT 232 (3)	MATH 138 (3)
<b><u>Mathematics:</u></b>		BADM 101 (3)	MGSC 239 (3)
MATH 135 (3)	MATH 1324	BADM 230 (3)	General Electives (11)****
<b><u>Life and physical sciences:</u></b>		BADM 234 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	FIN 301 (3)	
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or PHYS 1302 or PHYS 2325	MGMT 300 (3)	
<b><u>Language, philosophy, and culture:</u></b>		MKTG 306 (3)	
ENG 230 (3) or	ENGL 2332	MGSC 302 (3)	
ENG 231 (3) or	ENGL 2333	BADM 450 (3)	
ENG 235 (3) or	ENGL 2326		
ENG 244 (3)	ENGL 2328		
<b><u>Creative arts:</u></b>			
MUSI 136 or MUSI 239 or THEA 130 or ART 135 or ART 137 (3)	MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1301 or HUMA 2323		
<b><u>American history:</u></b>		<b>Major Requirements (27)</b>	<b>Electives (6)</b>
HIST 231 (3)	HIST 1301	MGMT 301 (3)	MGMT 395 (3)
HIST 232 (3)	HIST 1302	MGMT 330 (3)	ENTR 300 (3)
<b><u>Government/political science:</u></b>		MGMT 407 (3)	MGMT 401 (3)
POLS 235 (3)	GOVT 2305	MGMT 408 (3)	MGMT 402 (3)
POLS 236 (3)	GOVT 2306	MGMT 409 (3)	MGSC 303 (3)
<b><u>Social and behavioral sciences:</u></b>		MIS 304 (3)	
ECON 231 (3)	ECON 2301	MGSC 331 (3)	
<b><u>Institutional Options:</u></b>			
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315		
MIS 204 (3)	COSC 1301		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed

\*\* (N) represents the number of course credits.

\*\*\*General Elective can be any business or non-business course.



**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT HUMAN RESOURCE  
MANAGEMENT CONCENTRATION  
DEGREE PLAN – TOTAL CREDITS: 120**

		<b>FIRST SEMESTER</b>		<b>SEC OND SEMESTER</b>	
<b>First Year</b>	BADM 101 Introduction to Business	3	ENG 132 Freshman English II	3	
	ENG 131 Freshman English I	3	MATH 138 Math for Business & Econ Analysis II	3	
	FS 102 Freshman Seminar	1	MIS 204 Fundamentals of Information Systems	3	
	MATH 135 Math for Bus & Econ Analysis I	3	BADM 234 Legal & Regulatory Envir of Bus	3	
	SC 135 Business & Professional Comm.	3	Life & Physical Sciences	3	
	Creative Arts	3			
		<b>16hrs</b>		<b>15 hrs</b>	
		<b>THIRD SEMESTER</b>		<b>FOURTH SEMESTER</b>	
<b>Second Year</b>	POLS 235 American Government	3	POLS 236 Texas Government	3	
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3	
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3	
	BADM 230 Advanced Communication Skills	3	Language, Philosophy & Culture	3	
	Life & Physical Sciences	3	ECON 231 Principles of Economics I	3	
			<b>15 hrs</b>		<b>15 hrs</b>
		<b>FIFTH SEMESTER</b>		<b>SIXTH SEMESTER</b>	
<b>Third Year</b>	ECON 232 Principles of Economics II	3	MGMT 330 Organizational Behavior	3	
	MGMT 300 Principles of Management	3	MGMT 301 Personnel and Manpower De v	3	
	MGSC 239 Business Statistics I	3	MGSC 331 Business S tatistics II	3	
	MKTG 306 Principles of Marketing	3	MGMT 407 The Legal Envir of Human Resource Mgt	3	
	FIN 301 Basic Financial Management	3	General Elective	3	
			<b>15 hrs</b>		<b>15 hrs</b>
		<b>SEVENTH SEMESTER</b>		<b>EIGHTH SEMESTER</b>	
<b>Fourth Year</b>	MGMT 408 Managing the Global Workforce	3	BADM 450 Organizational Policy & Strategy	3	
	MGSC 302 Operations Management I	3	MGMT 409 Human Resources Information Systems	3	
	MIS 304 Information Technology	3	Business Elective	3	
	Business Elective	3	General Elective	3	
	General Elective	3	General Elective	2	
			<b>15 hrs</b>		<b>14 hrs</b>

**BACHELOR OF BUSINESSADMINISTRATION DEGREE IN MANAGEMENT INFORMATION SYSTEMS**  
**TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MANAGEMENT INFORMATION SYSTEMS)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	57 credits	21 credits
<b><u>Communication:</u></b>		<b>School Core Requirements</b>	ECON 232 (3)
ENG 131 (3) **	ENGL 1301	ACCT 231 (3)	MATH 138 (3)
ENG 132 (3)	ENGL 1302	ACCT 232 (3)	MGSC 239 (3)
<b><u>Mathematics:</u></b>		BADM 101 (3)	General Electives (11)****
MATH 135 (3)	MATH 1324	BADM 230 (3)	FS 102 (1)
<b><u>Life and physical sciences:</u></b>		BADM 234 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	FIN 301 (3)	
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3)	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or PHYS 1302 or PHYS 2325	MGMT 300 (3)	
<b><u>Language, philosophy, and culture:</u></b>		MKTG 306 (3)	
		MGSC 302 (3)	
<b><u>Crtive arts:</u></b>		BADM 450 (3)	
MUSI 136 or MUSI 239 or THEA 130 or ART 135 or ART 137 or	MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1301 or HUMA 2323 or		
<b><u>American history:</u></b>		Major Requirements (27)	
HIST 231 (3)	HIST 1301	MIS 304 (3)	
HIST 232 (3)	HIST 1302	MIS 310 (3)	
<b><u>Government/political science:</u></b>		MIS 320 (3)	
POLS 235 (3)	GOVT 2305	MIS 340 (3)	
POLS 236 (3)	GOVT 2306	MIS 410 (3)	
<b><u>Social and behavioral sciences:</u></b>		MIS 420 (3)	
ECON 231 (3)	ECON 2301	MIS 460(3)	
<b><u>Institutional Options:</u></b>		MIS 470 (3)	
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315	MIS Electives (3)	
MIS 204 (3)	COSC 1301	MIS 350 (3)	
		MGSC 440 (3)	
		MIS 450 (3)	
		MIS 480 (3)	
		MIS 490 (3)	

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\*\*General Elective can be any business or non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MANAGEMENT INFORMATION SYSTEMS  
DEGREE PLAN – TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	<b>First Year</b>	BADM 101 Introduction to Business	3	ENG 132 Freshman English II
ENG 131 Freshman English I		3	MATH 138 Math for Business & Econ Analysis II	3
MATH 135 Math for Bus & Econ Analysis I		3	MIS 204 Fundamentals of Information Systems	3
SC 135 Business & Professional Comm.		3	BADM 234 Legal & Regulatory Envir of Bus	3
Creative Arts		3	Life & Physical Sciences	3
Freshman Seminar		1		
		<b>16 hrs</b>		<b>15 hrs</b>
	THIRD SEMESTER		FOURTH SEMESTER	
	<b>Second Year</b>	POLS 235 American Government	3	POLS 236 Texas Government
HIST 231 Social & Political History I		3	HIST 232 Social & Political History II	3
ACCT 231 Principles of Accounting I		3	ACCT 232 Principles of Accounting II	3
BADM 230 Advanced Communication Skills		3	Language, Philosophy & Culture	3
Life & Physical Sciences		3	ECON 231 Principles of Economics I	3
		<b>15 hrs</b>		<b>15 hrs</b>
	FIFTH SEMESTER		SIXTH SEMESTER	
	<b>Third Year</b>	ECON 232 Principles of Economics II	3	MGMT 300 Principles of Management
MIS 310 Programming Concepts		3	MIS 340 Database Design & Development	3
MIS 320 Hardware & Networking		3	MIS 420 Web Development	3
MGSC 239 Business Statistics I		3	MGSC 302 Operations Management I	3
MIS 304 Information Technology		3	General Elective	3
		<b>15 hrs</b>		<b>15 hrs</b>
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	<b>Fourth Year</b>	MIS 410 Systems Analysis & Design	3	BADM 450 Organizational Policy & Strategy
MIS Elective		3	MIS 460 Enterprise Resource Planning	3
MKTG 306 Principles of Marketing		3	MIS 470 MIS Capstone	3
FIN 301 Basic Financial Management		3	General Elective	3
General Elective		3	General Elective	2
		<b>15 hrs</b>		<b>14 hrs</b>

**CURRICULUM SUMMARY FOR  
BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MARKETING  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MARKETING)	OTHER REQUIREMENTS
42 credits	EQUIVALENT	57 credits	21 credits
<b><u>Communication:</u></b>		<b>School Core Requirements (30)</b>	ECON 232 (3)
ENG 131 (3) **	ENGL 1301	ACCT 231 (3)	MATH 138 (3)
ENG 132 (3)	ENGL 1302	ACCT 232 (3)	MGSC 239 (3)
<b><u>Mathematics:</u></b>		BADM 101 (3)	General Electives (1)****
MATH 135 (3)	MATH 1324	BADM 230 (3)	FS 102 (1)
<b><u>Life and physical sciences:</u></b>		BADM 234 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	FIN 301 (3)	
CHEM 132 or BIOL 135 or GEOL 141 or PHYS 101 or PHYS 237 or PHYS 238 or PHYS 251 (3).	CHEM 1312 or BIOL 2301 or GEOL 1303 or PHYS 1315 or PHYS 1301 or PHYS 1302 or PHYS 2325	MGMT 300 (3)	
<b><u>Language, philosophy, and culture:</u></b>		MKTG 306 (3)	
ENG 230 (3) or	ENGL 2332	MGSC 302 (3)	
ENG 231 (3) or	ENGL 2333		
ENG 235 (3) or	ENGL 2326		
ENG 244 (3) or	ENGL 2328		
<b><u>Creative arts:</u></b>		BADM 450 (3)	
MUSI 136 or MUSI 239 or THEA 130 or ART 135 or ART 137	MUSI 1306 or MUSI 1315 or DRAM 1310 or ARTS 1301 or HUMA 2323		
<b><u>American history:</u></b>			
HIST 231 (3)		<b>Major Requirements (27)</b>	
HIST 232 (3)		MKTG 307 (3)	
<b><u>Government/political science:</u></b>		MKTG 336 (3)	
POLS 235 (3)		MKTG 430 (3)	
POLS 236 (3)		MKTG 435 (3)	
<b><u>Social and behavioral sciences:</u></b>		<b>Electives (15)</b>	
ECON 231 (3)		MKTG 431 (3)	
<b><u>Institutional Options:</u></b>		MKTG 432 (3)	
SC 135 or SC 136 (3)		MKTG 444 (3)	
MIS 204 (3)		BADM 466 (3)	
		SPMT 333 (3)	
		MIS 304 (3)	
		MGSC 331 (3)	

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\*General Elective can be any business or non-business course.

**BACHELOR OF BUSINESS ADMINISTRATION DEGREE IN MARKETING  
DEGREE PLAN – TOTAL CREDITS: 120**

		<b>FIRST SEMESTER</b>		<b>SECOND SEMESTER</b>	
<b>First Year</b>	BADM 101 Introduction to Business	3	ENG 132 Freshman English II	3	
	ENG 131 Freshman English I	3	MATH 138 Math for Business & Economics Analysis II	3	
	FS 102 Seminar	1	MIS 204 Fundamentals of Information Systems		
	MATH 135 Math for Bus & Eco Analysis I	3	BADM 234 Legal & Regulatory Envir of Bus	3	
	SC 135 Business & Professional Comm.	3	Life & Physical Sciences	3	
	Creative Arts	3		3	
		<b>16 hrs</b>		<b>15 hrs</b>	
		<b>THIRD SEMESTER</b>		<b>FOURTH SEMESTER</b>	
<b>Second Year</b>	POLS 235 American Government	3	POLS 236 Texas Government	3	
	HIST 231 Social & Political History I	3	HIST 232 Social & Political History II	3	
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3	
	BADM 230 Advanced Communication Skills	3	Language, Philosophy & Culture	3	
	Life & Physical Sciences	3	ECON 231 Principles of Economics I	3	
			<b>15 hrs</b>		<b>15 hrs</b>
		<b>FIFTH SEMESTER</b>		<b>SIXTH SEMESTER</b>	
<b>Third Year</b>	ECON 232 Principles of Economics II	3	MKTG 307 Marketing Channels and Institutions	3	
	MKTG 306 Principles of Marketing	3	MKTG 336 Marketing Communications	3	
	MGSC 239 Business Statistics I	3	MGSC 302 Operations Management I	3	
	FIN 301 Basic Financial Management	3	Marketing Elective	3	
	Marketing Elective	3	General Elective	3	
			<b>15 hrs</b>		<b>15 hrs</b>
		<b>SEVENTH SEMESTER</b>		<b>EIGHTH SEMESTER</b>	
<b>Fourth Year</b>	MKTG 430 Marketing Decision Making: Theory and Practice	3	BADM 450 Organizational Policy & Strategy	3	
	MGMT 300 Principles of Management	3	MKTG 435 Strategic Marketing Management	3	
	Marketing Elective	3	Marketing Elective	3	
	General Elective	3	General Elective	3	
	General Elective	3	General Elective	2	
			<b>15 hrs</b>		<b>14 hrs</b>



## THE SCHOOL OF COMMUNICATION



## SCHOOL OF COMMUNICATION

The primary mission of the School of Communication is to prepare students who declare majors and minors in departmental curricular offerings for entry into the workforce, and for graduate study. A secondary mission is to ensure that all students matriculating through the university have an understanding of the impact of communication skills upon all aspects of society.

The School of Communication offers courses in five (5) academic disciplines: communication (CM), Entertainment and the Recording Industry Management (ERM), Journalism (JOUR), Radio, Television, and Film (RTF), and Speech Communication (SC). In addition to course offerings, **four undergraduate or baccalaureate degrees are offered through the School: the Bachelor of Arts (BA) in Entertainment and the Recording Industry Management; Journalism; Radio, Television and Film; and Speech Communication.** For students who major in disciplines in which the declaration of a minor is required the School offers the following minors: Entertainment and the Recording Industry Management; Journalism; Radio, Television, and Film; and Speech Communication. **It offers one graduate degree: the Master of Arts (MA) in Communications. Please refer to The Graduate School Bulletin of Texas Southern University for detailed information on the MA in Communications.**

In pursuing the BA in speech communication students may select from two different curriculum concentrations: Intercultural-Interpersonal Communication or Organizational Communication. **Students who are first-time degree seekers in either Speech Communication concentration are required to declare a minor in a second academic discipline.**

Students pursuing a degree in Journalism may select from three concentrations: Print Journalism (minor required), Advertising-Public relations (minor required), and Broadcast Journalism (no minor required).

Students pursuing a degree in Radio, Television, and Film may select one of three specialties: radio, television, or film. Selecting a specialty is not required because students, in consultation with an academic advisor, may select a combination of radio, television, and film courses (RTF electives only) that are available in the current inventory of courses. Degree plans with and without a minor are available for students interested in radio, television, and film.

The Entertainment and the Recording Industry Management degree will be offered as an independent degree in the Fall of 2014, with a required minor in one of the following areas: Music; Business Administration; Accounting; Finance; Human Performance; Radio, Television, and Film; Social Sciences, or any minor approved by the academic advisor. Qualified transfer students may transfer up to 30 credit hours from a degree program from a community college or an accredited institution in any technical area related to Entertainment and the Recording Industry in lieu of declaring a minor.

**Students are cautioned that grades less than “C”, including “C-”, are unacceptable in courses designated as major or minor courses in the pursuit of the degree.**

**In selecting a minor for undergraduate degrees, students should seek detailed advisement from a faculty advisor within the department offering the minor. An undergraduate student cannot qualify for graduation with fewer than 120 semester credit hours satisfactorily completed.**

Requirements for the BA in Entertainment and the Recording Industry Management; Journalism; Radio, Television, and Film; and Speech Communication are summarized below. The list delineates the requirements and semester credit hours needed for graduation according to the concentration selected for the respective degree.

**For a minor in Entertainment and the Recording Industry Management (beginning Fall 2014), twenty two (22) semester credit hours are required** through enrollment in the following courses: ERM 130 (3), ERM 205 (4), ERM 210 (3), ERM 310 (3) ERM 320 (3), ERM 420 (3), ERM 450 (3).

**For a minor in Speech Communication, twenty-two (22) semester credit hours are required** through enrollment in the following courses: CM 110 (1 credit), SC 136 (3 credits), SC 230 (3 credits), SC 232 (3 credits), SC 330 (3 credits), SC 332 (3 credits), and six (6) additional SC credits of choice, three (3) of which must be at the 300-level or 400-level.

**For a minor in Journalism, twenty-three (23) semester credit hours are required** through enrollment in the following courses: JOUR 130 (3 credits), JOUR 132 (4 credits), JOUR 238 (4 credits), JOUR 253 (3 credits), and nine (9) additional JOUR credits of choice, all of which must be at the 300-level or 400-level.

**For a minor in Radio, Television and Film:** Minor in RTF could be selected from a combination of courses in radio, TV and film, or specifically from a specialty:



**General RTF minor, twenty-one (21) credit hours:** RTF 130 (3), RTF 131 (4), RTF 331 (3), RTF 344 (3), plus a minimum of eight (8) additional credit hours from the RTF course listing. In selecting the electives, please adhere to course pre-requisite requirements. Consult your academic advisor in selecting elective courses.

**Suggestions for students interested in a specific specialty:**

Minor in Radio, twenty-one (21) semester credit hours: RTF 130 (3), RTF 131 (4), RTF 331 (3), RTF 344 (3), RTF 360 (4), and RTF 361 (4).

Minor in Television, twenty-one (21) semester credit hours: RTF 130 (3), RTF 131 (4), RTF 331 (3), RTF 344 (3), RTF 353 (4), and RTF 355 (4).

Minor in Film, twenty-five (25) semester credit hours: RTF 130 (3), RTF 131 (4), RTF 240 (4), RTF 250 (4), RTF 331 (3), RTF 344 (3), and RTF 353 (4).

Students seeking to pursue a major or minor offered through the School must complete the following courses with grades of “C” or better (grades of “C-” are unacceptable): ENG 131, ENG 132, and CM 130 (majors only). Students must also complete introductory course(s) for the chosen degree and concentration with grades of “C” or better (grades of “C-” are unacceptable): JOUR 130 and JOUR 132 for the Journalism degree; JOUR 132 only for the Advertising and Public Relations concentration; SC 136 for the Speech Communication degree; and RTF 130 and RTF 131 for the Radio, Television and Film degree. In addition, students are responsible for verifying their compliance with ASSET requirements and their removal of any academic deficiencies previously identified by the university. Each student is assigned an official advisor and is expected to keep the School informed of address and telephone number changes up to the time of graduation.

**In summary, an interested student must: (1) first gain admission to the university; (2) meet his or her ASSET responsibility; (3) eradicate identified academic deficiencies. Once admitted, each student is provided with extensive advisement before and during progression toward the completion of degree requirements. Questions may be directed to the School of Communication Student Services Center at (713)-313-7670. The School of Communication Student Services Center is located in 216 MLK Building. The Dean’s Office is located in 222 MLK Building.**

## FACULTY LISTING

<p><b>Berryhill, Michael</b>  <b>Professor</b>  A.B., Kenyon College  M.A., University of Minnesota  Ph. D., University of Minnesota</p>	<p><b>Odine, Maurice</b>  <b>Professor</b>  B.A., State University of New York  M.A., Ball State University  Ph.D., Southern Illinois University</p>
<p><b>Brown-Burton, Rockell</b>  <b>Associate Professor</b>  B.A., Xavier University  M.A., Howard University  Ph.D., Wayne State University</p>	<p><b>Poudeh, Reza</b>  <b>Professor</b>  B.A., University of Esfahan  M.S., Boston University  E.D., Boston University</p>
<p><b>Dixon, Tyrone</b>  <b>Visiting Assistant Professor</b>  B.A., Texas Southern University  M.F.A., American Film Institute  M.A., Fielding Graduate University  Ph.D., Fielding Graduate University</p>	<p><b>Randle, Ladonia</b>  <b>Visiting Assistant Professor</b>  B.A., Huston-Tillotson College  M.A., Texas Southern University</p>
<p><b>Duncan, Clyde Jr</b>  <b>Internship Coordinator</b>  B.A., Texas Southern University  M.A. Texas Southern University  Ph.D., New Theological Seminary</p>	<p><b>Regis, Humphrey</b>  <b>Professor</b>  B.A., University of DC.  M.A. University of Maryland  Ph.D., Howard University</p>
<p><b>Gilmore, Robert</b>  <b>Visiting Instructor</b>  B.A., Texas Southern University  M.A. Texas Southern University  E.D. Texas Southern University</p>	<p><b>Sandifer-Walker, Serbino</b>  <b>Assistant Professor</b>  B.A., Texas Southern University  M.S., Columbia University, New York</p>
<p><b>Hall, Gail</b>  <b>Visiting Instructor</b>  B.A., University of Houston  M.A., Prairie View A&amp;M University  E.D., Texas Southern University</p>	<p><b>Smith-Johnson, Angela</b>  <b>KTSU2- Coordinator</b>  B.A., Texas Southern University  M.A., Texas Southern University</p>
<p><b>Jeffries, Winslow</b>  <b>Visiting Instructor</b>  B.A., Southern Illinois University  M.A., University of Illinois</p>	<p><b>Ulasi, Christian</b>  <b>Professor</b>  B.A., Texas Southern University  M.A., Texas Southern University  Ph.D., The University of Texas, Austin</p>
<p><b>Johnson, Napoleon</b>  <b>Visiting Instructor</b>  B.A., New Mexico Highlands University  M.A. Texas Southern University</p>	<p><b>Walker Hawkins, Vera</b>  <b>Associate Professor</b>  B.A., Tufts University  M.A., The University of Ohio  Ph.D., The University of Texas, Austin</p>
<p><b>Mitchell, Kimberlyn</b>  <b>Visiting Instructor</b>  B.A., Prairie View A &amp; M University  M.A., Texas Southern University</p>	<p><b>Whittington, Elizabeth</b>  <b>Visiting Assistant Instructor</b>  B.A., University of North Texas  M.A., University of North Texas  Ph.D., Howard University</p>

<p><b>Neuman, Israel</b>  <b>Instructor</b>  B.A. University of Hartford  M.A, University of Iowa  Ph.D., University of Iowa</p>	<p><b>Williams, Jordan</b>  <b>ERM Coordinator</b>  B.S., Georgetown University  J.D., Thurgood Marshall School of Law</p>
<p><b>Nichols, Zantel,</b>  <b>Assistant Professor</b>  B.A., University of Iowa  M.A., Texas Southern University  Ph.D., University of Nebraska-Lincoln</p>	

## DEPARTMENT OF COMMUNICATION ARTS AND SCIENCES

### **Vision and Mission Statement**

The goal of the Department of Communication Arts and Sciences is to develop and evaluate programs that foster students' ethical, social, professional and intellectual development in communication fields. In addition, the department seeks to nurture students' capacities to think critically, creatively, and skillfully. The department seeks to develop students' commitment to social and personal responsibilities, and to hold respect for every person. Another goal of the department is to prepare students for the workforce, enabling them to gain employment in their respected disciplines. It also seeks to prepare students for further education. Development and enhancement of students' communication skills are the focus of each concentration in the Department of Communication Arts & Sciences. Students must possess high communication skills, because communication is considered as one of the most important factors at work and societal success.

### **Degree Requirements**

Students pursuing baccalaureate degrees in the Department of Communication Arts and Sciences first must be admitted into the university, and meet their ASSET responsibility, before meeting degree program requirements. In order to attain the Bachelor of Arts in Communication Arts & Sciences, students must select from the two curriculum concentrations: Organizational Communication or Intercultural-Interpersonal Communication. For either of the two concentrations, students are required to declare a minor in a second academic discipline. In the selection of concentration courses, students must meet with a designated advisor, who can assist them in the selection of major courses, general education courses (core curriculum), and minor. In addition, students must seek advising from the designated advisor in their minors' respective disciplines. In both major and minor courses, including English 131 and English 132, grades less than "C"--including "C- "-- are not acceptable. Those courses must be repeated.

In order to receive a baccalaureate degree in Communication Arts & Sciences (CAS/SC), students must complete 120 semester hours. These must include major courses totaling 46 credit hours, minor courses totaling 21 credit hours, the general education courses (core curriculum) totaling 42 hours, and elective courses totaling 11 credit hours. In no case is an undergraduate student qualified to graduate unless he/she has completed 120 credits hours. For a student to be granted a baccalaureate degree by the Department of Communication Arts & Sciences, the requirements must be met under the supervision of the major advisor.

## COMMUNICATION CORE COURSES

- CM 110**                      **Speech Proficiency Lab**    **(1)**  
This course is intended to guide students, through the use of practical applications, to become effective speakers by understanding the speech mechanism and precise, profound, and proficient oral communication expected from majors in journalism, speech and RTF. Two hours of lab per week.
- CM 130**                      **Introduction to Communication Studies**    **(3)**  
Basic concepts, theories and principles operative in the communication process; application of these principles to the acquisition of communication skills. Three hours of lecture per week.
- CM 200**                      **Introduction to Media Research Techniques and Writing**    **(3)**  
Basic skills development in research techniques and in-depth experience in written composition, emphasizing composition as a communication skill; analysis of student proficiency in the basic communication skills as they relate to professions in communication. Three hours of lecture per week. Prerequisites: ENG 131 and ENG 132.
- CM 330**                      **Professional Development and Ethics**    **(3)**  
A preparatory course for entering into the job market. Covers a variety of topics including oral communication skills dress code, interview techniques, advanced resume writing, motivational skills, stress management, professional survival and cultural awareness skills.  
Three hours of lecture per week. Prerequisite: CM110, CM 130, CM 200.
- CM 332**                      **Computer Applications in Communication**    **(3)**  
Introduction to graphics, multimedia and web design techniques applicable to communication field.  
Three hours of lecture and lab per week. Prerequisite: CS 116.
- CM 430**                      **Internship**    **(3)**  
The integration of process and content acquisition through application and practice in real-life situations; structured part-time or full-time internships. Three hours of lecture per week.  
Prerequisites: 12 semester credit hours earned in a field of concentration in the Department including CM 110, CM 130, CM 200, CM 330, CM 332 and junior or senior standing. May be repeated for up to 6 credits.

## COMMUNICATION ARTS AND SCIENCES COURSES (SPEECH COMMUNICATION)

- SC 135**                      **Business and Professional Communication**    **(3)**  
Introduction to the basic oral communication skills needed for careers in business and the professions. Students make presentations, conduct interviews, and participate in problem-solving group discussions. Three hours of lecture per week. **Listed as SPCH 1321 in the Texas Common Course Numbering System.**
- SC 136**                      **Public Address**    **(3)**  
Principles of effective speaking and their application to the preparation, delivery, and evaluation of the basic forms of public messages; stresses public issues, their relevancy and effect. Three hours of lecture per week. **Listed as SPCH 1315 in the Texas Common Course Numbering System.**
- SC 140**                      **Voice and Diction**    **(3)**  
Development of an effective speaking voice through the achievement of proper relaxation, breathing, and vocal resonance. Three hours of lecture per week. **Listed as SPCH 1342 in the Texas Common Course Numbering System.**
- SC 230**                      **Urban Rhetorical Patterns**    **(3)**

Study of linguistic and rhetorical patterns of major ethnic and socioeconomic groups in urban areas. Three hours of lecture per week.

- SC 232**                      **Interpersonal Communication**                      **(3)**  
Study of the interpersonal communication as a dynamic process utilizing verbal and nonverbal cues as the basis of meaningful human interaction. Three hours of lecture per week. **Listed as SPCH 1318 in the Texas Common Course Numbering System.**
- SC 233**                      **Communication Skills for Health Professionals**                      **(3)**  
Practice in the development of interpersonal skills in relating to the health professional; practice in the development of the skills of group and public communication. Three hours of lecture per week.
- SC 236**                      **Argumentation and Debate**                      **(3)**  
Exploration of principles of argumentation, training, and participation in various types of argumentative speeches and debate. Special inclusion of parliamentary procedures. Three hours of lecture per week. **Listed as SPCH 2325 in the Texas Common Course Numbering System.**
- SC 330**                      **Persuasion**                      **(3)**  
Intensive examination of principles and techniques of persuasion and of the critical role of the consumer of persuasive messages. Three hours of lecture per week.
- SC 332**                      **Group Communication Processes**                      **(3)**  
Role of communication theory in the making of individual and collective decisions; application of communication theory to principles of leadership in small group decision making. Three hours of lecture per week.
- SC 333**                      **Interviewing**                      **(3)**  
Strategies and techniques of interviewing as purposive dyadic interaction for interviewer and interviewee. Includes the study of and practice with various types of interviews. Three hours of lecture per week.
- SC 335**                      **Rhetorical History and Criticism**                      **(3)**  
Study of the history of rhetoric and rhetorical criticism: classical, medieval, and contemporary. Three hours of lecture per week. **Offered as needed.**
- SC 338**                      **Introduction to Organizational Communication**                      **(3)**  
Basic principles and perspectives of organizational communication; communication networks and structures; decision making; conflict resolution with organizations; impact of styles of communication on organizational relations. Three hours of lecture per week.
- SC 430**                      **Independent Study**                      **(3)**  
Independent study in interpersonal/intercultural communication, organizational communication, or rhetorical theory and criticism. Three hours of lecture per week.
- SC 431**                      **Nonverbal Communication**                      **(3)**  
The analysis of nonverbal aspects of human communication with special consideration of physical and spatial styles and cues. Three hours of lecture per week.
- SC 432**                      **Intercultural Communication**                      **(3)**  
Importance of cultural and ethnic differences as they affect our communication processes in various aspects of personal relations. Three hours of lecture per week.
- SC 433**                      **Health Communication**                      **(3)**





**CURRICULUM SUMMARY FOR THE  
BACHELOR OF ARTS DEGREE IN SPEECH COMMUNICATION INTERCULTURAL - INTERPERSONAL  
CONCENTRATION TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (SPEECH COMMUNICATION)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		46 credits	11 credits	21 credits
<b>Communication:</b>				Contact Department of choice after being admitted as a major in the Department
ENG 131 (3) **	ENGL 1301	CM 110 (1)	FS 102 (1)	
ENG 132 (3)	ENGL 1302	CM 130 (3)	Elective (10)	
<b>Mathematics:</b>		CM 200 (3)		
MATH 133 ( 3 )	MATH 1314	CM 330 (3)		
<b>Life and physical sciences:</b>		CM 332 (3)		
BIOL 143 (3)	BIOL 1308	CM 430 (3)		
GEOL 141 (3)	GEOL 1303	SC 136 (3)		
<b>Language, philosophy, and culture:</b>		<b>SC 230 (3)</b>		
ENG 2xx (3) ***		SC 232 (3)		
<b>Creative arts:</b>		SC 330 (3)		
MUSI 136 (3) or MUSI 239 (3) or THEA 130 (3) or ART 135 (3) or ART 137 (3)	MUSI 1306	SC 332 (3)		
	MUSI 1315	SC 431 (3)		
	DRAM 1310	SC 432 (3)		
	ARTS 1301 HUMA 2323	SC 433 (3)		
<b>American history:</b>				
HIST 231 (3)	HIST 1301	SC Electives (6)		
HIST 232 (3)	HIST 1302			
<b>Government/political science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
PSY 131 (3) or SOC157 (3) or SOC158 (3)	PSYC 2301 or SOCI 1301 or SOCI 1306			
<b>Institutional Options:</b>				
SC 135 (3)	SPCH 1321			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.  
 \*\* (N) represents the number of course credits.  
 \*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326).  
 \*\*\*\* Transfer students can substitute FS 102 with any course to complete the total credit hours required for graduation by their degree plan.

**BACHELOR OF ARTS DEGREE IN SPEECH COMMUNICATION INTERCULTURAL - INTERPERSONAL  
CONCENTRATION DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 ( Freshman English I)	3	ENG 132 (Freshman English II)	3
	MATH 133 ( College Algebra)	3	GEOL 141 (Introduction to the Earth)	3
	BIOL 143 (Survey of Life Science)	3	CS 116 (Introduction to Computer Science I)	3
	FS 102 Freshmen Seminar	1	*PSY 131 or SOC 157 or SOC 158	3
	SC 135 (Business & Professional Com.)	3	SC 136 (Public Address)	3
	CM 130 (Intro to Comm. Studies)	3	CM 110 (Speech Proficiency Lab)	1
		<b>16 Hrs</b>		<b>16 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 (American Government)	3	POLS 236 (Texas Government)	3
	HIST 231 Social & Political Hist. of the US to 1877	3	HIST 232 Social & Political History of the US since 1877	3
	** ENG 230 or ENG 231 or ENG 235 or ENG 244	3	***MUSI 131, MUSI 239, OR THEA 130	3
	SC 230 (Urban Rhetorical Patterns)	3	SC 232 (Interpersonal Communication)	3
	CM 200 (Intro to Media Research Tech.)	3	SC Elective	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	SC 330 (Persuasion)	3	SC 332 (Group Communication Process)	3
	CM 332 (Computers in Communication)	3	CM 330 (Professional De v. & Ethics )	3
	Minor	3	Minor	3
	Minor	3	Elective	3
	Elective	3		
	<b>15 Hrs</b>		<b>12 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Minor	3	Minor	3
	CM 430 (Internship)	3	Minor	3
	Elective	4	SC 433 (Health Communication)	3
	SC 431 (Nonverbal Communication)	3	SC Elective	3
	SC 432 (Intercultural Communication)	3	Minor	3
	<b>16 Hrs</b>		<b>15 Hrs</b>	

\* PSY 131-General Psychology; SOC 157- Intro to Sociology; SOC 158- Contemporary Social Issues

\*\* ENG 230- World Literature I; ENG 231- World Literature II; ENG 235- American Literature; ENG 244- African American Literature

\*\*\* MUSI 131- Intro to Music; MUSI 239- Fine Arts in Daily Living; THEA 130-Intro to Theatre

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF ARTS DEGREE IN SPEECH COMMUNICATION ORGANIZATIONAL COMMUNICATION  
CONCENTRATION TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (SPEECH COMMUNICATION)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		46 credits	11 credits	21 credits
<b>Communication:</b>				Contact Department of choice after being admitted as a major in the Department
ENG 131 (3) **	ENGL 1301	CM 110 (1)	FS 102 (1)	
ENG 132 (3)	ENGL 1302	CM 130 (3)	Elective (10)	
<b>Mathematics:</b>		CM 200 (3)		
MATH 133 ( 3 )	MATH 1314	CM 330 (3)		
<b>Life and physical sciences:</b>		CM 332 (3)		
BIOL 143 (3)	BIOL 1308	CM 430 (3)		
GEOL 141 (3)	GEOL 1303	SC 136 (3)		
<b>Language, philosophy, and culture:</b>		<b>SC 230 (3)</b>		
ENG 2xx (3) ***		SC 232 (3)		
<b>Creative arts:</b>		SC 330 (3)		
MUSI 136 (3) or MUSI 239 (3) or THEA 130 (3) or ART 135 (3) or ART 137 (3)	MUSI 1306 MUSI 1315 DRAM 1310 ARTS 1301 HUMA 2323	SC 332 (3) SC 333 (3) SC 338 (3) SC 434 (3)		
<b>American history:</b>		SC 438 (3)		
HIST 231 (3)	HIST 1301	SC Electives (3)		
HIST 232 (3)	HIST 1302			
<b>Government/political science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
PSY 131 (3) or SOC157 (3) or SOC158 (3)	PSYC 2301 or SOC1 1301 or SOC1 1306			
<b>Institutional Options:</b>				
SC 135 (3)	SPCH 1321			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.  
 \*\* (N) represents the number of course credits.  
 \*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326).  
 \*\*\*\* Transfer students can substitute FS 102 with any course to complete the total credit hours required for graduation by their degree plan.

**BACHELOR OF ARTS DEGREE IN SPEECH  
COMMUNICATION ORGANIZATIONAL COMMUNICATION CONCENTRATION  
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 ( Freshman English I)	3	ENG 132 (Freshman English II)	3
	MATH 133 ( College Algebra)	3	THEA 130 (Intro to Theatre) or MUSI 131(Intro to Music)	3
	BIOL 143 (Survey of Life Science)	3	GEOL 141 (Introduction to the Earth)	3
	FS 102 Freshmen Seminar	1	*PSY 131, or SOC 157 or SOC 158	3
	SC 135 (Business & Professional Com.)	3	SC 136 (Public Address)	3
	CM 130 (Intro to Comm. Studies)	3	CM 110 Speech Proficiency Lab	1
		<b>16 Hrs</b>		<b>16 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 (American Government)	3	POLS 236 (Texas Government)	3
	HIST 231 Social & Political Hist. of the US to 1877	3	HIST 232 (Social & Political History of the US since 1877)	3
	** ENG 230 or ENG 231 or ENG 235 or ENG 244	3	CS 116(Introduction to Computer Science I)	3
	SC 230 (Urban Rhetorical Patterns)	3	SC 232 (Interpersonal Communication)	3
	CM 200 (Intro to Media Research Tech.)	3	CM 330 (Professional Dev. & Ethics)	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	SC 330 (Persuasion)	3	SC 332 (Group Communication Process)	3
	CM 332 (Computers in Communication)	3	SC 333 (Interviewing)	3
	Minor	3	SC 338 (Intro to Organizational Comm.)	3
	Minor	3	Minor	3
	Elective	3	Elective	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Minor	3	Elective	4
	Minor	3	Minor	3
	CM 430 (Internship)	3	SC 438 (Organizational Structure & Comm. Behavior)	3
	SC 434 (Principles of Leadership)	3	Minor	3
	SC Elective	3		
		<b>15 Hrs</b>		<b>13 Hrs</b>

\* PSY 131-General Psychology; SOC 157- Intro to Sociology; SOC 158- Contemporary Social Issues  
 \*\* ENG 230- World Literature I; ENG 231- World Literature II; ENG 235- American Literature; ENG 244- African American Literature  
 \*\*\* MUSI 131- Intro to Music; MUSI 239- Fine Arts in Daily Living; THEA 130-Intro to Theatre

## DEPARTMENT OF JOURNALISM

### Departmental Organization

Journalism has been taught at Texas Southern University since the Texas Legislature passed enabling legislation for the university in 1947. Many of its graduates have gone on to form a cadre of African-American journalists who fill a void in American newsrooms.

The Department of Journalism is one of three departments in the School of Communication, which includes departments of Communication Arts and Sciences, and Radio, Television and Film. In addition the School of Communication offers a concentration in Entertainment Recording and Management. Journalism majors may choose from three concentrations: print journalism, broadcast journalism and advertising/public relations. Graduate students may also earn a master's degree in journalism.

Journalism majors are required to take a series of courses required of all School of Communication students. These include Introduction to Communication Studies (CM 130), Introduction to Media Research Techniques (CM 200), Computer Applications in Communication (CM 332), and an internship, Experiential Learning (CM 430).

### Mission and Goals

The mission of the Department of Journalism is to prepare students to professionally communicate in the rapidly changing world of digital technology by teaching them the fundamentals of writing, reporting and editing, and engaging them with video shooting and editing, the creation of websites, the uses of social media and the application of smart phones. Our students graduate to use these skills professionally in the news media, business and public relations.

While journalism is undergoing changes in its business model, the opportunities for practicing journalism in both mainstream media combined with the expanding world of digital communication has led to an explosion of entrepreneurial possibilities for graduates. Students across the country have been flooding journalism programs not because they all want to be reporters at news companies, but because they know communication skills are in high demand in the business world.

Faculty members in the Department of Journalism are dedicated to creating a program in which students learn to develop the digital and entrepreneurial skills they need to compete in this changing environment.

### Degree Concentrations

The Department of Journalism offers three degree concentrations: print journalism, broadcast journalism and advertising/public relations. All three concentrations require students take three reporting classes: introductory, intermediate and advanced. All students are required to take classes in news editing, law and the media and computers in communication.

Broadcast journalism majors take introductory, intermediate and advanced classes in broadcast journalism as well as classes in Radio, Television Film.

Print journalism and advertising/public relations majors are required to take a minor. Often they choose RTF in order to enhance their digital skills. A few take a business and marketing minor. Broadcast journalism majors must take 19 hours of production classes in Radio, Television Film and are not required to take a minor.

Approximately 150 students were enrolled as journalism majors in the spring of 2015. An estimated two-thirds are taking the broadcast journalism concentration. The other third is divided between print and advertising/public-relations concentrations. Only grades of C or better in School classes and in English are accepted for the major or minor in journalism.

### Student Success as Measured by Student Learning Outcomes

In compliance with accrediting requirements, the department created an assessment plan designed to measure student achievement. The first goal is "Students will demonstrate professional standards in writing." This goal is measured by reviewing student

portfolios in the advanced reporting class required of all journalism majors. The two student learning outcomes (SLOs) are: “Students will write effective, fact-based introductions to stories and “Students will write grammatically, stylistically correct stories.” These skills are measured by review of reporting portfolios in JOUR 332, Advanced Reporting.

The second goal is “Students will demonstrate readiness for professional work.” This goal is measured by reviewing internship evaluations for the internship class required for all School of Communication majors. The two student learning outcomes are: “Student will demonstrate strong work habits, professional attitudes,” and “Students will demonstrate effective communication skills.” These are measured by reports of internship supervisors.

## JOURNALISM COURSES

<b>JOUR 130</b>	<b>Introduction to Journalism</b> <b>(3)</b> Survey of history, theory, aesthetics, and economics of print media; special emphasis is placed on the development of electronic news operation. Three hours of lecture per week. Prerequisite: Concurrently with ENG 131 or ENG 132
<b>JOUR 132</b>	<b>Introduction to Reporting</b> <b>(4)</b> Introduction to fact gathering news and writing basic and advanced news stories. Students must be able to type at least 30 words per minute. Three hours of lecture and two hours of laboratory per week. Prerequisites: ENG 131 and ENG 132. May take concurrently with ENG 132.
<b>JOUR 133</b>	<b>Introduction to Broadcast News</b> <b>(4)</b> Introduction to reporting and writing news for the broadcast media. Four hours of lecture per week.
<b>JOUR 232</b>	<b>Introduction to Advertising</b> <b>(3)</b> Introduction to basic principles of advertising theory and practice. Broad picture of advertising as marketing communications and social information. Three hours of lecture per week.
<b>JOUR 234</b>	<b>Introduction to Public Relations</b> <b>(3)</b> Introduction to the principles and practices of public relations in business, education, social welfare, government, and the armed forces. Three hours of lecture per week. Prerequisites: CM 130, CM 200, CS 116, JOUR 132. May take concurrently with CM 332.
<b>JOUR 235</b>	<b>Online Journalism I</b> <b>(3)</b> Hands-on introduction to journalistic writing for online publications and broadcasts using state-of-the-art software. Three hours of lecture per week. Prerequisites: CM 130, CM 200, CS 116, JOUR 130, JOUR 132. May take concurrently with CM 332.
<b>JOUR 238</b>	<b>Intermediate Reporting</b> <b>(4)</b> Development of reporting and writing skills for the print media. Four hours of lecture per week. Prerequisites: CM 130, CM 200, CM 332, CS 116, JOUR 130, JOUR 132. May take concurrently with CM 332.
<b>JOUR 242</b>	<b>Intermediate Broadcast News</b> <b>(4)</b> Refining skills in gathering, evaluating, and writing news for the broadcast media. Four hours of lecture per week. Prerequisites: JOUR 132 and JOUR 133.
<b>JOUR 251</b>	<b>The Black Press</b> <b>(3)</b> Survey of the Black press, including a survey of Black journalists, past and present, along with the status of today’s Black press. Three hours of lecture per week. Prerequisite: CM 130, CM 200, JOUR 130, JOUR 132. May take concurrently with CM 200.

<b>JOUR 253</b>	<b>News Editing I</b>	<b>(3)</b>
	Development of clear, effective editing, rewriting, headline writing, page make-up, and reporting management for the print media. Three hours of lecture per week.	
<b>JOUR 331</b>	<b>Law and Ethics of Journalism</b>	<b>(3)</b>
	Evolution of print and broadcast media in the United States in the context of political, social, and economic change; privileges and responsibilities of a journalist are stressed. Three hours of lecture per week. Prerequisite: CM 130, CM 200, JOUR 130, JOUR 132. May take concurrently with CM 200.	
<b>JOUR 332</b>	<b>Advanced Reporting</b>	<b>(4)</b>
	Advanced training and practice in the gathering and writing of news stories with emphasis placed on enterprise ability and publishable quality stories. Four hours of lecture per week. Prerequisite: CM 130, CM 200, CM 332, CS 116, JOUR 130, JOUR 132, JOUR 238. May take concurrently with CM 332.	
<b>JOUR 333</b>	<b>Newspaper Design</b>	<b>(3)</b>
	Introduction to basic camera-ready production techniques for tabloid and standard newspaper designs. Three hours of lecture per week. Prerequisite: CM 130, CM 200, CM 332, CS 116, JOUR 130, JOUR 132, JOUR 253.	
<b>JOUR 335</b>	<b>Computer Assisted Reporting</b>	<b>(3)</b>
	Advanced training in the use of various database software products for contemporary reporting. Three hours of lecture per week.	
<b>JOUR 356</b>	<b>Advertising and PR Campaigns</b>	<b>(3)</b>
	Emphasis on group coordination of advertising and public information campaigns; development of strategies for local and national campaigns, including marketing media planning, research, and segmentation. Three hours of lecture per week. Prerequisites: CM 130, CM 200, CM 332, JOUR 132.	
<b>JOUR 430</b>	<b>Independent Study</b>	<b>(3)</b>
	Independent study in history, ethics, practice, law, and aesthetics of journalism. Prerequisites: Junior/Senior standing and consent of the instructor or faculty chair.	
<b>JOUR 431</b>	<b>Community News Operations</b>	<b>(3)</b>
	Planning and preparation of news, features, and editorials for the rural and urban community newspaper; emphasis on weekly publications; practical problems in community issues. Three hours of lecture per week.	
<b>JOUR 433</b>	<b>Public Affairs Reporting</b>	<b>(3)</b>
	Advanced training and practice in reporting the affairs of municipal, county, state, and federal agencies. Three hours of lecture per week. Prerequisites: CM 130, CM 200, CM 332, JOUR 130, JOUR 132, JOUR 234, JOUR 238, JOUR 332.	
<b>JOUR 435</b>	<b>Multimedia Graphic Designs</b>	<b>(3)</b>
	Hands-on approach to designing publications using contemporary software and online graphic techniques. Emphasis placed on the use of up-to-date contemporary software products. Three hours of lecture per week.	
<b>JOUR 437</b>	<b>Feature Writing</b>	<b>(3)</b>
	Researching and writing feature stories such as human interest stories and personal columns presented. Three hours of lecture per week.	





**CURRICULUM SUMMARY FOR THE  
BACHELOR OF ARTS DEGREE IN JOURNALISM - PRINT JOURNALISM CONCENTRATION  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (JOURNALISM)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		55 credits	2 credits	21 credits
<b>Communication:</b>				Contact Department of choice after being admitted as a major in the Department
ENG 131 (3) **	ENGL 1301	CM 110 (1)	FS 102 (1)****	
ENG 132 (3)	ENGL 1302	CM 130 (3)	Elective (1)	
<b>Mathematics:</b>		CM 200 (3)		
MATH 133 ( 3 )	MATH 1314	CM 330 (3)		
<b>Life and physical sciences:</b>		CM 332 (3)		
BIOL 143 (3)	BIOL 1308	CM 430 (3)		
GEOL 141 (3)	GEOL 1303	JOUR 130 (3)		
<b>Language, philosophy, and culture:</b>		JOUR 132 (4)		
ENG 2xx (3) ***		JOUR 235 (3)		
<b>Creative arts:</b>		JOUR 238 (4)		
MUSI 136 (3) or MUSI 239 (3) or THEA 130 (3) or ART 135 (3) or ART 137 (3)	MUSI 1306 MUSI 1315 DRAM 1310 ARTS 1301 HUMA 2323	JOUR 253 (3)		
		JOUR 331 (3)		
		JOUR 332 (4)		
		JOUR 335 (3)		
<b>American history:</b>		JOUR 435 (3)		
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302	plus		
<b>Government/political science:</b>		<b>Additional General (9)</b>		
POLS 235 (3)	GOVT 2305	<b>Upper-level JOUR</b>		
POLS 236 (3)	GOVT 2306	<b>Elective credits</b>		
<b>Social and behavioral sciences:</b>		<b>approved by the major advisor</b>		
PSY 131 (3) or SOC157 (3) or SOC158 (3)	PSYC 2301 or SOC1 1301 or SOC1 1306			
<b>Institutional Options:</b>				
SC 135 (3)	SPCH 1321			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.  
 \*\* (N) represents the number of course credits.  
 \*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326).  
 \*\*\*\* Transfer students can substitute FS 102 with any course to complete the total credit hours required for graduation by their degree plan.

**BACHELOR OF ARTS DEGREE IN JOURNALISM PRINT CONCENTRATION  
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra	3	*ART 135 or ART 137 or THEA 130	3
	BIOL 143 Survey of Life Science	3	GEOL 141 Introduction to the Earth	3
	FS 102 Freshmen Seminar	1	**PSY 131 or SOC 157 or 158	3
	SC 135 Business & Prof. Com. or SC 136 Public Address	3	CM 130 Intro to Communication Studies	3
	JOUR 130 Intro to Journalism	3	CM 110 Speech Proficiency Lab	1
		<b>16 Hrs</b>		<b>16 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HIST 231 Social & Political Hist. of the US to 1877	3	HIST 232 Social & Political History of the US since 1877	3
	***ENG 230 or ENG 231 or ENG 235 or ENG 244	3	CS 116 Introduction to Computer Science I	3
	JOUR 132 Intro to Reporting	4	JOUR 235 Online Journalism	3
	CM 200 Intro to Media Research	3	JOUR 238 Intermediate Reporting	4
		<b>16 Hrs</b>		<b>16 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	JOUR 253 News Editing I	3	JOUR 335 Computer Assisted Reporting	3
	CM 332 Computers in Communication	3	Journalism Elective	3
	JOUR 331 Law and Ethics of Journalism	3	CM 330 Professional Dev. & Ethics	3
	Minor	6	Journalism Elective	3
			Minor	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	CM 430 Internship	3	Minor	12
	Journalism Elective	3	Elective	1
	JOUR 332 Advanced Reporting	4		
	JOUR 435 (Multimedia Graphics Designs)	3		
		<b>13 Hrs</b>		<b>13 Hrs</b>

\* ART 135- Topics in Contemporary Art & Culture; ART 137- Intro to African Art; THEA 130- Intro to Theatre

\*\* PSY 131-General Psychology; SOC 157- Intro to Sociology; SOC 158- Contemporary Social Issues

\*\*\* ENG 230- World Literature I; ENG 231- World Literature II; ENG 235- American Literature; ENG 244- African American Literature

**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS DEGREE IN JOURNALISM ADVERTISING  
AND PUBLIC RELATIONS CONCENTRATION**

**TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (JOURNALISM)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		55 credits	2 credits	21 credits
<b><u>Communication:</u></b>				Contact Department of choice after being admitted as a major in the Department
ENG 131 (3) **	ENGL 1301	CM 110 (1)	FS 102 (1)****	
ENG 132 (3)	ENGL 1302	CM 130 (3)	Elective (1)	
<b><u>Mathematics:</u></b>		CM 200 (3)		
MATH 133 ( 3 )	MATH 1314	CM 330 (3)		
<b><u>Life and physical sciences:</u></b>		CM 332 (3)		
BIOL 143 (3)	BIOL 1308	CM 430 (3)		
GEOL 141 (3)	GEOL 1303	JOUR 132 (4)		
<b><u>Language, philosophy, and culture:</u></b>		JOUR 232 (3)		
ENG 2xx (3) ***		JOUR 234 (3)		
<b><u>Creative arts:</u></b>		JOUR 235 (3)		
MUSI 136 (3) or MUSI 239 (3) or THEA 130 (3) or ART 135 (3) or ART 137 (3)	MUSI 1306 MUSI 1315 DRAM 1310 ARTS 1301 HUMA 2323	JOUR 238 (4) JOUR 253 (3) JOUR 331 (3) JOUR 332 ( 4 )		
<b><u>American history:</u></b>		JOUR 335 ( 3 )		
HIST 231 (3)	HIST 1301	JOUR 356 (3)		
HIST 232 (3)	HIST 1302	<b>JOUR 435 (3)</b>		
<b><u>Government/political science:</u></b>		<b>plus</b>		
POLS 235 (3)	GOVT 2305	<b>JOUR Elective e (3)</b>		
POLS 236 (3)	GOVT 2306	<b>credits approved by the major advisor</b>		
<b><u>Social and behavioral sciences:</u></b>				
PSY 131 (3) or SOC157 (3) or SOC158 (3)	PSYC 2301 or SOCI 1301 or SOCI 1306			
<b><u>Institutional Options:</u></b>				
SC 135 (3)	SPCH 1321			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326).

\*\*\*\* Transfer students can substitute FS 102 with any course to complete the total credit hours required for graduation by their degree plan.

**BACHELOR OF ARTS DEGREE IN JOURNALISM  
ADVERTISING & PUBLIC RELATIONS CONCENTRATION  
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra	3	*ART 135 or ART 137 or THEA 130 or MUSI 131	3
	BIOL 143 Survey of Life Science)	3	GEOL 141 Introduction to the Earth	3
	FS 102 Freshmen Seminar	1	**PSY 131 or SOC 157 or SOC 158	3
	SC 135 Business & Prof. Com. or SC 136 Public Address	3	CM 130 Intro to Communication Studies	3
	CS 116 Introduction to Computer Science I	3	CM 110 Speech Proficiency Lab	1
		<b>16 Hrs</b>		<b>16 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HIST 231 Social & Political Hist. of the US to 1877	3	HIST 232 Social & Political History of the US since 1877	3
	***ENG 230 or ENG 231 or ENG 235 or ENG 244	3	JOUR 232 Intro to Advertising	3
	JOUR 132 Intro to Reporting	4	JOUR 235 Online Journalism	3
	CM 200 Intro to Media Research	3	JOUR 238 Intermediate Reporting	4
		<b>16 Hrs</b>		<b>16 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	JOUR 253 News Editing I	3	JOUR 335 Computer Assisted Reporting	3
	JOUR 234 Intro to Public Relations	3	JOUR 356 Advertising & PR Campaign	3
	CM 332 Computers in Communication	3	CM 330 Professional Dev. & Ethics	3
	JOUR 331 Law and Ethics of Journalism	3	Minor	3
	Minor	3		
		<b>15 Hrs</b>		<b>12 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	CM 430 Internship	3	Minor	12
	Journalism Elective	3	Elective	1
	JOUR 332 Advanced Reporting	4		
	JOUR 435 Multimedia Graphics Designs	3		
	Minor	3		
		<b>16 Hrs</b>		<b>13 Hrs</b>

\* ART 135- Topics in Contemporary Art & Culture; ART 137- Intro to African Art; THEA 130- Intro to Theatre

\*\* PSY 131-General Psychology; SOC 157- Intro to Sociology; SOC 158- Contemporary Social Issues

\*\*\* ENG 230- World Literature I; ENG 231- World Literature II; ENG 235- American Literature; ENG 244- African American Literature

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF ARTS DEGREE IN JOURNALISM - BROADCAST JOURNALISM CONCENTRATION  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (JOURNALISM)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		74 credits	4 credits	0 credits
<b>Communication:</b>				A minor is not required
ENG 131 (3) **	ENGL 1301	CM 110 (1)	FS 102 (1)****	
ENG 132 (3)	ENGL 1302	CM 130 (3)	Elective (3)	
<b>Mathematics:</b>		CM 200 (3)		
MATH 133 (3)	MATH 1314	CM 330 (3)		
<b>Life and physical sciences:</b>		CM 332 (3)		
BIOL 143 (3)	BIOL 1308	CM 430 (3)		
GEOL 141 (3)	GEOL 1303	JOUR 130 (3)		
<b>Language, philosophy, and culture:</b>		JOUR 132 (4)		
ENG 2xx (3) ***		JOUR 133 (4)		
<b>Creative arts:</b>		JOUR 235 (3)		
MUSI 136 (3) or MUSI 239 (3) or THEA 130 (3) or ART 135 (3) or ART 137 (3)	MUSI 1306 MUSI 1315 DRAM 1310 ARTS 1301 HUMA 2323	JOUR 238 (4) JOUR 242 (4) JOUR 253 (3) JOUR 331 (3)		
<b>American history:</b>		JOUR 332 (4)		
HIST 231 (3)	HIST 1301	JOUR 335 (3)		
HIST 232 (3)	HIST 1302	JOUR 443 (4)		
<b>Government/political science:</b>		RTF 131 (3)		
POLS 235 (3)	GOVT 2305	RTF 255 (4)		
POLS 236 (3)	GOVT 2306	RTF 268 (4)		
<b>Social and behavioral sciences:</b>		RTF 355 (4)		
PSY 131 (3) or SOC157 (3) or SOC158 (3)	PSYC 2301 or SOCI 1301 or SOCI 1306	RTF 360 (4)		
<b>Institutional Options:</b>				
SC 135 (3)	SPCH 1321			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326).

\*\*\*\* Transfer students can substitute FS 102 with any course to complete the total credit hours required for graduation by their degree plan.

**BACHELOR OF ARTS DEGREE IN JOURNALISM  
BROADCAST JOURNALISM CONCENTRATION  
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 ( Freshman English I)	3	ENG 132 (Freshman English II)	3
	MATH 133 College Algebra	3	*ART 135 or ART 137 or THEA 130	3
	BIOL 143 (Survey of Life Science)	3	GEOL 141 (Introduction to the Earth)	3
	FS 102 Freshmen Seminar	1	**PSY 131 or SOC 157 or SOC 158	3
	SC 135 Business & Prof. Com. or SC 136 Public Address	3	CM 130 Intro to Communication Studies	3
	JOUR 130 Intro to Journalism	3	CM 110 Speech Proficiency Lab	1
		<b>16 Hrs</b>		<b>16 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HIST 231 Social & Political Hist. of the US to 1877	3	HIST 232 Social & Political History of the US since 1877	3
	***ENG 230 or ENG 231 or ENG 235 or ENG 244	3	CS 116 Introduction to Computer Science I	3
	JOUR 132 Intro to Reporting	4	JOUR 133 Broadcast News	4
	CM 200 Intro to Media Research	3	JOUR 235 Online Journalism	3
		<b>16 Hrs</b>		<b>16 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	RTF 131 Intro to Media Aesthetics	3	JOUR 253 News Editing	3
	RTF 255 Intro to Videography	4	JOUR 331 Law and Ethics of Journalism	3
	JOUR 238 Intermediate Reporting	4	CM 330 Professional Dev. & Ethics	3
	JOUR 242 Intermediate Broadcast News	4	RTF 360 Voice and Diction	4
		<b>15 Hrs</b>		<b>13 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	JOUR 332 Advanced Reporting	4	CM 332 Computers in Communication	3
	JOUR 335 Computer Assisted Reporting	3	JOUR 443 Advanced Broadcast News	4
	RTF 268 Intro to Digital Video Editing	4	RTF 355 Television Production	4
	CM 430 Internship	3	Journalism Elective	3
		<b>14 Hrs</b>		<b>14 Hrs</b>

\* ART 135- Topics in Contemporary Art & Culture; ART 137- Intro to African Art; THEA 130- Intro to Theatre

\*\* PSY 131-General Psychology; SOC 157- Intro to Sociology; SOC 158- Contemporary Social Issues

\*\*\* ENG 230- World Literature I; ENG 231- World Literature II; ENG 235- American Literature; ENG 244- African American Literature



**DEPARTMENT OF RADIO, TELEVISION AND FILM (RTF),  
AND ENTERTAINMENT & RECORDING INDUSTRY MANAGEMENT (ERM) PROGRAM**

**Mission, Goals, and Objectives**

The Radio, Television, and Film Department faculty and Dean developed its initial mission and goals with the founding of the Department in 1973. Over the years these goals and objectives underwent frequent revisions to align them with the Department's curriculum. The last major revision of the Department's curriculum was in 2013 which resulted in the addition of several courses in digital filmmaking, documentary and postproduction (see Appendix). The mission of the RTF Department is to educate professionals to a high level of excellence in the production and critical studies of radio, television, film and new media.

The Radio, Television and Film program at Texas Southern University engages students in the production and critical studies of radio, television, film and new media. We offer our students a balanced curriculum that provides integrated study and training in the art and business of the electronic media. The Bachelor of Arts program in Radio, Television and Film combines 60 credit hours of a broad general education with 61 credit hours of required, related and free electives that each student can shape toward their individual educational goals within the major.

The Production emphasis blends practical, hands-on learning with a firm grounding in the aesthetics, history and craft of media production. The Media Studies emphasis blends practical research and writing skills with the study of the history, evolution and business practices of the electronic media.

With programs that combine a strong liberal arts framework with the latest media technology, our students are taught to think critically as they explore countless opportunities to express themselves creatively and prepare for professional careers as the next generation of communication leaders.

Students in the Department of Radio, Television and Film engage, learn and achieve. Texas Southern University students' productions have won over 10 local, regional, and national awards since 2010.

**The Entertainment and Recording Industry Management Program –**

The Entertainment and Recording Industry Management degree was offered as an independent degree in the Fall of 2014, with a required minor in one of the following areas: Music; Business Administration; Accounting; Finance; Human Performance; Radio, Television, and Film; Social Sciences, or any minor approved by the academic advisor. Qualified transfer students may transfer up to thirty (30) credit hours from a degree program from a community college or an accredited institution in any technical area related to Entertainment and the Recording Industry in lieu of declaring a minor.

**Our students have access to a rich variety of resources including:**

Award-winning faculty who are industry experts, working professionals, and accomplished scholars, including local and regional award winners, documentary and feature filmmakers, radio personalities, writers, editors, and producers.

State-of-the-art television, film and radio facilities including radio station, KTSU 90.9 FM Radio (The Choice), in which to work and learn, as early as the first year

Unparalleled real-world experience on and off-campus, including hundreds of internship opportunities within 30 miles of Houston, the 4th largest city and 8th largest media market in the U.S.

Selecting a specialty is not required for students seeking a degree in Radio, Television, and Film. In consultation with academic advisors, students may select a combination of radio, television, and film courses (RTF electives only) that are available in the current inventory of courses. Degree plans with and without a minor are available for students interested in radio, television, and film. The Department currently requires six course (21 credit hours) to complete a minor.

## RADIO, TELEVISION, FILM COURSES

- RTF 130**                    **Introduction to Media Studies**                    **(3)**  
Survey of history, theories, aesthetics, cultural, political, economic, and international characteristics of mass media in society. Three hours of lecture per week.
- RTF 131**                    **Introduction to Media Aesthetics and Production**                    **(3)**  
Basic information including theories, aesthetics and skills required to equip students to communicate through audiovisual media. Four hours of lecture per week with studio and field hours to be arranged.
- RTF 135**                    **Introduction to Photography**                    **(4)**  
A hands-on introductory course covering the principles of photography using a 35 mm or digital camera. Four hours of lecture per week with studio and field hours to be arranged.
- RTF 240**                    **Introduction to Film**                    **(3)**  
A survey of the history of film and its development from 1800's to present. Major contributors to its development will be examined. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131.
- RTF 250**                    **Film Industry**                    **(3)**  
A survey of the business of motion picture industry and its economic structure. The course covers the processes involved in making studio and independent films. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131.
- RTF 255**                    **Introduction to Videography**                    **(4)**  
Students will be introduced to digital video camera techniques in shooting professional quality videos. Includes location shoots and practice. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 131.
- RTF 268**                    **Introduction to Digital Video Editing**                    **(4)**  
A survey of the principles of editing for effective storytelling. The current tools and techniques used in the industry will be discussed. Students will use a variety of professional applications to improve their editing skills. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 131.
- RTF 299**                    **Independent Internship**                    **(1)**  
Allows students to intern in a professional setting to earn experience as they embark on their academic careers. Students are responsible for their own placement depending on their career interests. This is an unsupervised internship. One credit hour per semester. Prerequisite: Consent of the instructor and academic advisor. **MAY BE REPEATED TWICE.**
- RTF 331**                    **Media Analysis and Criticism**                    **(3)**  
Same as JOUR 362. Analysis of critical methods for electronic media and film as a segment of mass culture. Focus on selected television content and selected critics. Three hours of lecture per week. Pre-requisites: RTF 130 and RTF 131.
- RTF 335**                    **Writing for Electronic Media and Film**                    **(3)**  
Development of skills and practice in the art of script writing for broadcast, film, and multimedia. Writing and evaluation of many short scripts required. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131 and RTF 135.

<b>RTF 340</b>	<b>Digital Effects for Film and Video</b>	<b>(4)</b>
	Techniques in creating complex visual effects for film and video using the latest effect creation applications. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 135, RTF 255, and RTF 268. May be repeated once.	
<b>RTF 344</b>	<b>Media Management and Marketing</b>	<b>(3)</b>
	Introduction to the basic elements involved in the day-to-day operation of various electronic media, including broadcast radio and television stations and cable. Three hours of lecture per week. Prerequisites: RTF 130 and RTF 131.	
<b>RTF 345</b>	<b>Producing Media for the Web and Beyond</b>	<b>(4)</b>
	Tools and techniques in developing material for the Web and the new media including the latest applications in streaming media technologies. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 135, RTF 255, and RTF 268. <b>May be repeated once.</b>	
<b>RTF 352</b>	<b>Introduction to Documentary Film</b>	<b>(3)</b>
	A survey of documentary filmmaking in the United States and the world. Covers structure, forms, theories and marketing of documentaries. Includes screening and analysis of significant documentary films and the process of producing documentaries. Three hours of lecture per week. Prerequisites: RTF 131.	
<b>RTF 353</b>	<b>Digital Film Production I</b>	<b>(4)</b>
	A hands-on, introductory course to digital filmmaking using new digital video equipment. Includes scriptwriting, producing, directing and editing a number of shorts using digital video cameras and editing applications such as Avid and Final Cut Pro. Students are responsible for materials used in the course. The School will provide equipment only. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 135, RTF 255 and RTF 335.	
<b>RTF 355</b>	<b>Television Production</b>	<b>(4)</b>
	Introduction to the process of producing programs for television and broadcast news using multi-camera studio production techniques. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 131. <b>May be repeated once.</b>	
<b>RTF 358</b>	<b>Digital Film and Video Postproduction</b>	<b>(4)</b>
	Tools and techniques in advanced video editing using state of the art applications. Includes both image and sound editing techniques. Topics may vary depending on the applications. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 255, RTF 268. <b>May be repeated twice.</b>	
<b>RTF 360</b>	<b>Voice and Diction for Media Performance</b>	<b>(4)</b>
	Beginner's voice training for professional performance in radio, film, television and the news media. Includes resonance and articulation, phonation, and posture/relaxation. Emphasis will be on using Standard American diction. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 131. <b>May be repeated once.</b>	
<b>RTF 361</b>	<b>Introduction to Radio Operations</b>	<b>(4)</b>
	Tools and techniques in modern digital radio operation using KTSU radio station facilities. Includes instructions for acquiring effective techniques for on-air delivery of interviews, news, sports, etc. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 131. <b>May be repeated once.</b>	
<b>RTF 362</b>	<b>Film and Television Sound</b>	<b>(4)</b>

The theory and techniques of designing sound for film and television. The course covers the role of sound in effective storytelling. The topics may include location and studio recording, Foley and dialog replacement techniques, as well as CONCENTRATIONs mixing. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131.

- |                |  |            |
|----------------|--|------------|
| <b>RTF 371</b> | <b>Studies in Film History</b>   | <b>(3)</b> |
|                | Critical assessment of theory and technique of film communication with focus on major genres, periods, movement, and personalities in national and international film history. Three hours of lecture per week with one two-hour film screening each week as required by the topic. Prerequisites: RTF 130, RTF 131 and consent of the instructor. |            |
| <b>RTF 380</b> | <b>Producing</b>   | <b>(3)</b> |
|                | The process of creating a television program or developing a film project. Student will learn the complexities of dealing with the industry through negotiation with the decision makers as sponsors, network or film industry. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131, RTF 135, RTF 255, RTF 335.                       |            |
| <b>RTF 381</b> | <b>Broadcast Responsibilities</b>  | <b>(3)</b> |
|                | Same as JOUR 331. Examination of the legal, economic, and social responsibilities and requirements that must be satisfied by print, electronic media, and cable operators in the United States. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131 and RTF 344.  |            |
| <b>RTF 382</b> | <b>Film and Video Lighting</b>   | <b>(4)</b> |
|                | Lighting techniques for film and video using a variety of lighting instruments. Lighting aesthetics for film and video will be explored through demonstration and hands-on practice. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 255, and RTF 268.                             |            |
| <b>RTF 430</b> | <b>Independent Study</b>   | <b>(3)</b> |
|                | Independent study in the history, economics, production, and management of print and/or electronic media. Three hours of lecture per week. Prerequisites: Upper-level standing and consent of the instructor and academic advisor.   |            |
| <b>RTF 435</b> | <b>Advanced Writing for Electronic Media and Film</b>  | <b>(3)</b> |
|                | Advanced work in coaching students through the process of developing complete proposals from script to screen. Includes writing concepts, treatments, scripts, and planning and marketing strategies for various media projects. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131, RTF 135, RTF 255 and RTF 335.                   |            |
| <b>RTF 438</b> | <b>Media and Society</b>   | <b>(3)</b> |
|                | Critical assessment of media on society with focus on special topics related to media in cultural contexts. May be repeated as topics vary. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131 and RTF 331.  |            |
| <b>RTF 452</b> | <b>Documentary Production</b>  | <b>(4)</b> |
|                | The course will cover proposal writing, research, shooting, editing and packaging of short documentaries. This is a hands-on course that requires outside class involvement. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 131, RTF 255, RTF 268.  |            |
| <b>RTF 453</b> | <b>Digital Film Production II</b>  | <b>(4)</b> |

An advanced film production course using HD camera gear. Students will shoot a number of short assignments, either fiction or documentary, and edit them on Avid or Final Cut Pro. Post-production support for sound mixing will be provided. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 135, RTF 255 and RTF 268 with a grade of B or better.

- RTF 460**                      **Advanced Voice Training**                      **(4)**  
Advanced voice training for professional careers in media performance using various training techniques. KTSU personalities may coach students. Designed for students interested in careers in radio, TV, commercials, spokespersons, etc. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 360. May be repeated once.
- RTF 461**                      **Radio Programming and Production**                      **(4)**  
Advanced techniques in operation, programming and special productions for radio for students seeking careers in professional radio. Students will be actively integrated into daily operation of the KTSU radio station located on campus under the supervision of the instructors and mentors. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites RTF 130, RTF 131, RTF 361. **May be repeated once.**
- RTF 462**                      **New Communications Technologies**                      **(3)**  
Examination of applications and potential effects of new media and information technologies in the home and workplace and for education and social services with their relation to existing systems. May be repeated as topics vary. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131, RTF 344, RTF 381 and consent of the instructor.
- RTF 470**                      **Directing Film and Television**                      **(4)**  
The course covers the all aspects of directing film for theatrical release or television. Includes subjects from script analysis to pre-production planning, from casting and rehearsing to working with the technical crew to create a vision, and finally how to work with an editor to complete a project. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: RTF 130, RTF 131, RTF 135, RTF 255, or RTF 353 and RTF 268. (Enrollment in THC 431 or a similar course, in which student direct actors, is strongly recommended before taking this course.
- RTF 480**                      **Film Marketing and Distribution**                      **(3)**  
An examination of all aspects of film sales, a very important part of the film industry, and the techniques of having a successful career in this field. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131, RTF 344, RTF 381.
- RTF 481**                      **Media Sales**                      **(3)**  
Covers a variety of topics in one the most important aspects of media functions. Students will learn the process of selling advertising for electronic media. Market analysis, audience measurement and ad placement will be analyzed. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131, RTF 344, RTF 381 and consent of the instructor. May be repeated once.
- RTF 498**                      **International Communication**                      **(3)**  
Comparative study of domestic and international systems of broadcasting with focus on political, social, cultural, and economic factors affecting the use and impact of new and old communication technologies. Topics vary from semester to semester. Three hours of lecture per week. Prerequisites: RTF 130, RTF 131, RTF 344, RTF 381 and consent of the instructor.
- RTF 499**                      **Master Projects for Professional Portfolios**                      **(4)**

Professional quality production projects, or comprehensive proposal development for projects in radio, television, film or multimedia, to support student job search portfolio. Four hours of lecture per week with studio and field hours to be arranged. Prerequisites: Upper-level standing and consent of the instructor.

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF ARTS DEGREE IN RADIO, TELEVISION, AND FILM WITH MINOR OPTION  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (RADIO, TELEVISION, AND FILM)	OTHER REQUIREMENTS	MINOR
42 credits	EQUIVALENT	54 credits	3 credits	21 credits
<b>Communication:</b>		CM 110 (1)	FS 102 (1)	
ENG 131 (3) **	ENGL 1301	CM 130 (3)	Elective (2)	
ENG 132 (3)	ENGL 1302	CM 200 (3)		
<b>Mathematics:</b>		CM 330 (3)		
MATH 133 (3)	MATH 1314	CM 332 (3)		
<b>Life and physical sciences:</b>		CM 430 (3)		
BIOL 143 (3)	BIOL 1308	RTF 130 (3)		
GEOL 141 (3)	GEOL 1303	RTF 131 (3)		
<b>Language, philosophy, and culture:</b>		RTF 135 (4)		
ENG 2xx (3) ***		RTF 331 (3)		
<b>Creative arts:</b>		RTF 335 (3)		
ART 135 OR ART 137 OR THEA 130 OR MUSI 136 OR MUSI 239 (3)	ART1301 OR HUMA 2323 OR DRAM 1310 OR MUSI 1306 MUSI 1315	RTF 344 (3)		
<b>American history:</b>		RTF 438 (3)		
HIST 231 (3)	HIST 1301	RTF 499 (4)		
HIST 232 (3)	HIST 1302			
<b>Government/political science:</b>		plus		
POLS 235 (3)	GOVT 2305	12 credits approved by the		
POLS 236 (3)	GOVT 2306	major advisor, selected from		
<b>Social and behavioral sciences:</b>		the list of RTF elective		
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOC1 1301 or SOC1 1306	courses or courses in a specific concentration		
<b>Institutional Options:</b>				
SC 135	SPCH 1321			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

Note: In selecting RTF electives, adhering to prerequisite requirements is mandatory.

\*\*\*\* Transfer students can substitute FS 102 with any course to complete the total credit hours required for graduation by their degree plan.

**BACHELOR OF ARTS DEGREE IN RADIO/TELEVISION/FILM WITH MINOR OPTION  
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	First Year	ENG 131	3	ENG 132
Math 133 College Algebra		3	ART 135 or ART 137 or THEA 130	3
BIOL 143		3	GEOL 141	3
FS 102 Freshman Seminar		1	PSY 131 or SOC 157 or SOC 158	3
SC 135 or SC 136		3	CS 116	3
CM 130 Intro to Communication Studies		3	CM 110 Speech Proficiency Lab	1
		<b>16hrs</b>		<b>16hrs</b>
	THIRD SEMESTER		FOURTH SEMESTER	
	Second Year	POLS 235 American Government	3	POLS 236 Texas Government
HIST 231		3	HIST 232	3
ENG 230 or ENG 231 or ENG 235 or 244		3	RTF 131 Intro to Media Aesthetics	3
RTF 130 Intro to Media Studies		3	RTF 135 Intro to Photography	4
CM 200 Intro to Media Research		3	CM 330 Professional & Dev. Ethics	3
		<b>15hrs</b>		<b>16hrs</b>
	FIFTH SEMESTER		SIXTH SEMESTER	
	Third Year	CM 332 Computers in Communication	3	Approved Upper-Level RTF Electives
RTF 331 Media Analysis and Criticism		3	Electives	2
RTF 335 Writing for Electronic Media & Film		3		
RTF 344 Media Management & Marketing		3		
		<b>12hrs</b>		<b>14hrs</b>
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Fourth Year	CM 430 Internship	3	Minor
Minor		3		
Minor		3		
RTF 438 Media and Society		3		
RTF 499 Master Projects		4		
	<b>16hrs</b>		<b>15hrs</b>	



**CURRICULUM SUMMARY FOR THE  
BACHELOR OF ARTS DEGREE IN RADIO, TELEVISION, AND FILM WITHOUT MINOR OPTION  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)* 42 credits	TCCNS EQUIVALENT	MAJOR (RADIO, TELEVISION AND FILM) 75 credits	OTHER REQUIREMENTS 3 credits	MINOR 0 credits
<b>Communication:</b>		CM 110 (1)	FS 102 (1)	
ENG 131 (3) **	ENGL 1301	CM 130 (3)	Elective (2)	
ENG 132 (3)	ENGL 1302	CM 200 (3)		
<b>Mathematics:</b>		CM 330 (3)		
MATH 133 (3)	MATH 1314	CM 332 (3)		
<b>Life and physical sciences:</b>		CM 430 (3)		
BIOL 143 (3)	BIOL 1308	RTF 130 (3)		
GEOL 141 (3)	GEOL 1303	RTF 131 (3)		
<b>Language, philosophy, and culture:</b>		RTF 135 (4)		
ENG 2xx (3) ***		RTF 331 (3)		
<b>Creative arts:</b>		RTF 335 (3)		
ART 135 OR ART 137 OR THEA 130 OR MUSI 136 OR	ART 1301 HUMA 2323 OR DRAM 1310 OR MUSI 1306	RTF 344 (3) RTF 438 (3) RTF 499 (4)		
MUSI 239	MUSI 1315			
<b>American history:</b>				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<b>Government/political science:</b>		plus		
POLS 235 (3)	GOVT 2305	33 credits approved by the		
POLS 236 (3)	GOVT 2306	major advisor, selected from		
<b>Social and behavioral sciences:</b>		the list of RTF elective		
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOC 1301 or SOC 1306	courses or courses in a specific concentration		
<b>Institutional Options:</b>				
SC 135	SPCH 1321			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

Note: In selecting RTF electives, adhering to prerequisite requirements is mandatory.

\*\*\*\* Transfer students can substitute FS 102 with any course to complete the total credit hours required for graduation by their degree plan.

**BACHELOR OF ARTS DEGREE IN RADIO/TELEVISION/FILM WITHOUT MINOR OPTION  
DEGREE PLAN - TOTAL CREDITS: 120**

	FIRST SEMESTER		SECOND SEMESTER	
	<b>First Year</b>	ENG 131	3	ENG 132
MATH 133 College Algebra		3	ART 135 or ART 137 or THEA 130	3
BIOL 143		3	GEOL 141	3
FS 102 Freshmen Seminar		1	PSY 131 or SOC 157 or SOC 158	3
SC 135 or 136		3	CS 116	3
CM 130 Intro to Communication Studies		3	CM 110 Speech Proficiency Lab	1
		<b>16hrs</b>		<b>16hrs</b>
	THIRD SEMESTER		FOURTH SEMESTER	
	<b>Second Year</b>	POLS 235	3	POLS 236
HIST 231		3	HIST 232	3
ENG 230 or ENG 231 or ENG 235 or 244		3	RTF 131 Intro to Media Aesthetics	3
RTF 130 Intro to Media Studies		3	RTF 135 Intro to Photography	4
CM 200 Intro to Media Research		3	CM 330 Professional Dev. & Ethics	3
		<b>15hrs</b>		<b>16hrs</b>
	FIFTH SEMESTER		SIXTH SEMESTER	
	<b>Third Year</b>	CM 332 Computers in Communication	3	Approved Upper-Level RTF Electives
RTF 331 Media Analysis and Criticism		3		
RTF 335 Writing for Electronic Media & Film		3		
RTF 344 Media Management & Marketing		3		
		<b>12hrs</b>		<b>15hrs</b>
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	<b>Fourth Year</b>	CM 430 Internship	3	Approved Upper-Level RTF Electives
Approved Upper-Level RTF Elective(s)		3		
RTF 438 Media and Society		3		
RTF 499 (Master Projects)		4		
Electives		3		
	<b>16hrs</b>		<b>15hrs</b>	

**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS DEGREE IN ENTERTAINMENT AND THE RECORDING INDUSTRY MANAGEMENT**  
**TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (ENTERTAINMENT & RECORDING)	OTHER REQUIREMENTS	MINOR
42 credits	EQUIVALENT	52 credits	0-5 credits	21- 27 credits
<b><u>Communication:</u></b>		CM 110 (1)	FS 102 (1)****	Choose one from the following areas: MUSIC BUSINESS ADMINISTRATION ACCOUNTING FINANCE HUMAN PERFORMANCE RADIO, TELEVISION & FILM SOCIAL SCIENCES or Approved minor by the academic advisor or Transfer of up to 30 credit hours from a degree program from a community college or an accredited Institution in any technical area related to entertainment and the recording industry
ENG 131 (3) **	ENGL 1301	CM 130 (3)	Elective (4)	
ENG 132 (3)	ENGL 1302	CM 200 (3)		
<b><u>Mathematics:</u></b>		CM 330 (3)		
MATH 133 (3)	MATH 1314	CM 332 (3)		
<b><u>Life and physical sciences:</u></b>		CM 430 (3)		
BIOL 143 (3)	BIOL 1308			
GEOL 141 (3)	GEOL 1303	ERM 130 (3)		
<b><u>Language, philosophy, and culture:</u></b>		ERM 205 (3)		
ENG 2xx (3) ***		ERM 210 (4)		
<b><u>Creative arts:</u></b>		ERM 305 (3)		
MUSI 136 OR	MUSI 1306	ERM 310 (3)		
MUSI 239 OR	MUSI 1315			
THEA 130 OR	DRAM 1310			
ART 135 OR	ART 1301			
ART 137	HUMA 2323			
<b><u>American history:</u></b>		ERM 320 (3)		
HIST 231 (3)	HIST 1301	ERM 330 (3)		
HIST 232 (3)	HIST 1302	ERM 410 (4)		
<b><u>Government/political science:</u></b>		ERM 420 (3)		
POLS 235 (3)	GOVT 2305	ERM 450 (3)		
POLS 236 (3)	GOVT 2306	ERM 499 (4)		
<b><u>Social and behavioral sciences:</u></b>				
PSY 131 or SOC 157 or SOC 158 (3)	PSYC 2301 or SOCI 1301 or SOCI 1306			
<b><u>Institutional Options:</u></b>				
SC 135	SPCH 1321			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

Note: In selecting RTF electives, adhering to prerequisite requirements is mandatory.

\*\*\*\* Transfer students can substitute FS 102 with any course to complete the total credit hours required for graduation by their degree plan.

**BACHELOR OF ARTS DEGREE IN ENTERTAINMENT AND THE RECORDING INDUSTRY MANAGEMENT  
DEGREE PLAN - TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131	3	ENG 132	3
	MATH 133 College Algebra	3	GEOL 141	3
	BIOL 143	3	PSY 131 or SOC 157 or SOC 158	3
	FS 102 Freshmen Seminar	1	CM 130 Intro to Communication Studies	3
	SC 135 or SC 136	3	ERM 130 Intro to the Recording Industry	3
	ART 139 or CS 116	3	CM 110 Speech Proficiency	1
		<b>16hrs</b>		<b>16hrs</b>
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HIST 231	3	HIST 232	3
	ENG 230 OR ENG 231 OR ENG 235 OR ENG 244	3	ERM 205 Intro to Entertainment Business & Finance	3
	CM 200 Intro to Media Research	3	CM 332 Computers in Communication	3
	MUSI 239 Fine Arts in Daily Living	3	Elective	2
	<b>15hrs</b>		<b>14hrs</b>	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ERM 210 Intro to Entertainment Prod. Tools	4	ERM 320 Artist Management	3
	ERM 305 Ethnic Entertainment	3	CM 430 Internship	3
	CM 330 Professional Dev. & Ethics	3	ERM 330 Business Dev. & Portfolio	3
	ERM 310 Publishing & Media Policy	3	Minor	3
	Minor	3	Minor	3
	<b>16hrs</b>		<b>15hrs</b>	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	ERM 41 Advanced Ent. Prod. Tech.	4	Minor	3
	ERM 420 Merchandizing & Branding	3	Minor	3
	Minor	3	ERM 450 Entertainment Management	3
	Minor	3	ERM 499 Master Projects	4
	Elective	2		
	<b>15hrs</b>		<b>13hrs</b>	

\*Art 135-Topics in Contemporary Art & Culture; ART 137 -Intro to African Art; THEA 130-Intro to Theatre

\*\*\* ENG 230-World Literature I; ENG 231- World Literature II; ENG 235 American Literature ; ENG 244-African American Literature



## COLLEGE OF EDUCATION



## COLLEGE OF EDUCATION

The College of Education consists of four instructional departments: Counseling, Curriculum and Instruction, Educational Administration and Foundations and Health and Kinesiology through which four undergraduate degrees and six graduate degrees are offered. The four undergraduate degrees are the Bachelor of Science (B.S.) in Interdisciplinary Studies, the Bachelor of Science (B.S.) in Health Studies, the Bachelor of Science (B.S.) in Kinesiology, and the Bachelor Science (B.S.) in Sport Management. The six graduate degrees are the Master of Education (M.Ed.) in Counselor Education, the Master of Education (M.Ed.) in Educational Administration, the Master of Science (M.S.) in Health and Human Performance, the Master of Education (M.Ed.) in Curriculum and Instruction, and the Doctor of Education (Ed.D.). The Master of Education (M.Ed.) in Curriculum and Instruction is offered with specializations in Bilingual Education, Early Childhood Education, Reading Education, English, Mathematics, Science, and Special Education. Two of the departments in the College, the Department of Educational Administration and Foundations and the Department of Counseling, are unique at the University in that they offer graduate level degrees only.

**Students who are interested in obtaining detailed information about the graduate degrees offered through the College, as well as more information about the Department of Educational Administration and Foundations and the Department of Counseling, should consult the Graduate School Bulletin of Texas Southern University.**

The College is organized with a Dean, an Associate Dean, an Assistant Dean, and four Department Chairs. The Dean, Associate Dean, Assistant Dean and Department Chairs are housed in the Roderick R. Paige Education Building with the exception of the Chair of the Department of Health and Kinesiology, who is located in Room 103 of the Health and Physical Education Building. The Dean's Office is located in the Roderick R. Paige Education Building, Room 240.

The Director of Field Experiences & Clinical Practice and the Director of Certification are housed in the Roderick R. Paige Education Building, Room 100 and share the same office suite. Students interested in applying for the Educator Preparation Program should obtain application forms from the Office of Curriculum and Instruction, Room 204 and apply online at [tsu.educatortracking.com](http://tsu.educatortracking.com). Students interested in applying to take the Texas Examination for Educator Standards (TExES) should contact the Coordinator of Testing in Room 251. Students who seek to apply for Clinical Practice II and be recommended for teacher certification should contact the Director of Field Experiences and Director of Certification. These offices may also be reached by calling (713) 313-7434.

A limited number of scholarships may be available for candidates who are preparing for the teaching field. Interested candidates should contact the Office of the Dean for details.

### MISSION STATEMENT

The mission of the College of Education is *to provide competent professionals for effective service in urban schools, agencies and other entities using research and collaboration in seeking solutions to teaching, learning, and behavioral challenges facing urban populations.* The COE is committed to preparing candidates to become effective professionals who will be caring, competent, committed, and culturally responsive, with a focus on the preparation of educators for urban school settings.

## ADMISSION INFORMATION

Admission to the College of Education's Educator Preparation Program is governed by the following criteria:

1. Completion of the Educator Preparation Program applications, online ([tsu.educatortracking.com](http://tsu.educatortracking.com)) and hard copy.
2. Submission of an official transcript from Texas Southern University reflecting the most recent semester enrolled prior to the date of the application.
3. Completion of the core requirements of forty-two (42) semester credit hours and those identified in the degree plan.
  - 6 hours of English Composition (ENG 131, 132)
  - 3 hours of English Literature (ENG 230)
  - 3 hours of Speech (SC 135 or 136)
  - 6 hours of Science (BIOL 143, GEOL 141)
  - 3 hours of Mathematics (MATH 133, 235, 236)
  - 3 hours of Fine Arts (Music, Art or Theatre)
  - 6 hours of American History (HIST 231, 232)
  - 6 hours of Political Science (POLS 235, 236)
  - 3 hours of General Psychology (PSY 131)
  - 3 hours of Instructional Technology (EDCI 210)
  - 9 hours of electives as recommended by the Academic Advisor:
    - Freshman Seminar
    - Mathematics
    - Health
    - Special Education
    - Kinesiology
    - Instructional Technology
4. Submission of the degree plan, signed by the advisor, and department chairperson in the area for which certification is sought.
5. A minimum overall grade point average (GPA) of 3.0. and all content-related courses completed with grades of "B" or better (**grades of "C-" are unacceptable**).
6. Submission of verification that the student is TSI complete has been met. **Applicants for the Educator Preparation Program are not TSI exempt and are not eligible for any waivers.**

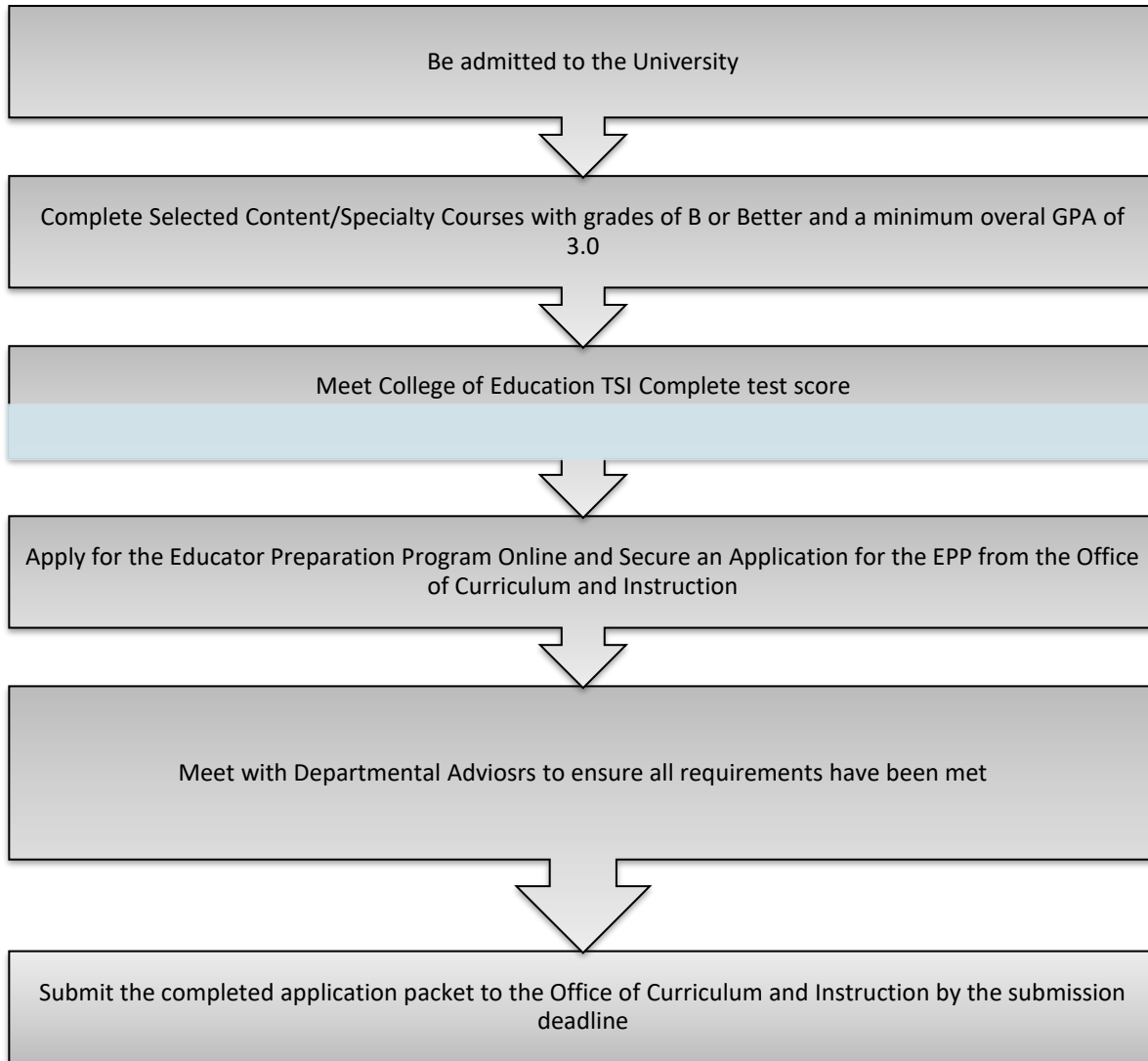
The application for the Educator Preparation Program must be completed online ([tsu.educatortracking.com](http://tsu.educatortracking.com)) and a completed hard copy submitted with a current Texas Southern University official transcript and a degree plan signed by the applicant's advisor. Please forward application materials to:

**Director of Certification**  
**College of Education, Room 100**  
**Texas Southern University**  
**3100 Cleburne Ave.**  
**Houston, Texas 77004-4501**

Admission to the Educator Preparation Program is decided by the Unit's *Admissions Committee*. The Chairperson of the Admissions Committee will notify the applicant of the action taken in regards to the application.

**Candidates seeking to transfer to the University should note that the two application processes, admission to Texas Southern University and admission to the College of Education's Educator Preparation Program, are separate and independent. Deadlines for submission of applications for admission to the University may be earlier than those for admission to the Educator Preparation Program. Approval for admission to this program does not imply approval for any other purpose (e.g., admission to the University, financial aid, housing, etc.).**

## Educator Preparation Program Admissions Steps





## STATE BOARD FOR EDUCATORS CERTIFICATION POLICIES

- Individuals seeking certification in Texas must pass the TExES Content Exam in their area of study, as well as the TExES Pedagogy and Professional Responsibilities test (TExES PPR).
- Only eligible candidates may sit for the TExES. A candidate is eligible when the Coordinator of Testing and Department Chair grant approval to sit for a state Certification Examination. The approval form is then submitted to the Director of Certification for TEAL recommendation in Room 100.
- For additional information contact the Certification office in Room 100 or call 713.313.7434.

## COLLEGE OF EDUCATION CLINICAL PRACTICE APPROVAL INFORMATION

The applicant for clinical practice must complete an application that includes the approval of the candidate's advisor and the department chairperson within the major area. The application deadlines are stipulated by the Curriculum and Instruction Department. A current transcript must be submitted with the completed application.

Persons seeking approval to engage in clinical practice are discouraged from enrolling in any additional courses. The applicant must have completed the minimum 45 clock hours of observation in the field (verified by a completed validation form), as required by law, prior to approval for clinical practice. Also, candidates must present evidence of having passed the TExES Content and PPR Exams. After being approved for clinical practice, the candidate teacher is scheduled for an interview with the Director of Field Experiences and Clinical Practice along with the Unit's *Field Experiences and Clinical Practice Committee*. Such an interview may be used to raise concerns relative to any constraints that may negatively affect the success of the placement. Candidate teachers will also engage in professional development activities that are intended to optimize their performance during clinical practice.

Candidate teachers are assigned to school districts through the collaboration of the Director of Field Experiences and Clinical Practice and the human resources personnel of the district to which the candidate teacher is assigned. Attention is given to the certification the candidate is seeking, the availability of cooperating teachers who will supervise the constraints that surfaced in the interview, and any other requirements that may impact the candidate's placement.

Clinical Practice is at least sixteen weeks. An orientation is provided for the candidate teachers prior to their placement. In addition, professional development activities are scheduled throughout the clinical experience. Topics and skills relative to the candidates' success are presented in workshops by human resource and district personnel, faculty, and other invited professionals.

## REQUIREMENTS FOR CERTIFICATION

The requirements for persons seeking certification are:

- Completion of an approved educator preparation program
- Earned grades of “B” or better (grades of “B-” are unacceptable) in professional development courses.
- Earned grades of “B” or better (grades of “B-” are unacceptable) in specialty courses within the selected concentration identified on the selected degree plan.
- Completion of candidate clinical practice, evidence of the completion of two years of teaching experience as a teacher of Record for Counseling and Principal certifications.
- Earned passing scores on all required state-mandated Certification Examination(s).

Participants in an Educator Preparation Program shall complete a survey approved by the State Board of Educator Certification (SBEC) evaluating the preparation they received in the Educator Preparation Program. Completion and submission of this survey to SBEC is a requirement for issuance of a standard certificate.

## RIGHT TO MODIFY

**The information contained in this bulletin is considered to be descriptive in nature and not contractual.**

**The University reserves the right to change any policy or requirement at any time during the time that candidates are enrolled. Courses are also subject to change.**

## DESCRIPTION OF DEPARTMENTS IN THE COLLEGE

The two departments offering undergraduate degrees are described in detail on the pages that follow. A description of the Department of Curriculum and Instruction is provided, followed by a description of the Department of Health, Kinesiology and Sport Management.

## DEPARTMENT OF CURRICULUM AND INSTRUCTION

The mission of the Department of Curriculum and Instruction is to produce effective teachers to serve culturally diverse students with a focus on urban school populations. The Department's mission is consistent with the overall mission of the College of Education (COE). The mission of the COE is to prepare caring, committed, competent, culturally responsive urban professionals who are equipped to provide effective service in urban schools, agencies and other entities. The theme of the conceptual framework for the COE Educator Preparation Program is "ExPO for Preparing Urban Professionals" which represents COE expectations, practices and outcomes. The programs of study in the Department of Curriculum & Instruction are designed to enable candidates to acquire the knowledge, skills and dispositions needed to function effectively in urban learning environments.

**The Department of Curriculum and Instruction offers courses in Interdisciplinary Studies with several concentrations that lead to a teaching certificate: EC-6 Generalist Core Subjects, EC-6 Generalist Core Subjects with a specialization in either Special Education or Bilingual Education, 4-8 Bilingual, 4-8 English Language Arts Reading, 4-8 English Language Arts/Social Studies, 4-8 Social Studies, 4-8 Mathematics, 4-8 Science, 4-8 Mathematics/Science and an ESL, Gifted and Talented, Bilingual and Special Education Supplements.** Unlike most of the other instructional units at the University, no minor is offered through this Department for the undergraduate degree.

**All first time Freshman students must enroll and complete the Freshman seminar FS 102 within their first semester of attendance. Transfer students may substitute FS 102 with any college level course to complete the total credit hours required for graduation by their degree plan.**

**At the graduate level, the Master of Education (M.Ed.) Degree in Curriculum and Instruction is offered with specializations in Bilingual Education, Early Childhood Education, Reading Education, English, Mathematics, Science, or Special Education. A Doctor of Education (Ed.D.) Degree is offered in Curriculum and Instruction with a focus on urban school communities.**

**Students who are interested in detailed information regarding the graduate degrees offered through the Department are referred to the Graduate School Bulletin of Texas Southern University or the Graduate School Website at [http://www.tsu.edu/academics/collegesschools/the\\_graduate\\_school/](http://www.tsu.edu/academics/collegesschools/the_graduate_school/).**

The specialty areas for the B.S. in Interdisciplinary Studies represent several concentration areas that students may follow toward completion of the degree and Texas Teacher Certification. Students desiring to earn the B.S. Degree in Interdisciplinary Studies must:

- (1) be admitted to the University,
- (2) satisfy University and state testing requirements,
- (3) apply to the Educator Preparation Program (EPP) online at [tsu.educatortracking.com](http://tsu.educatortracking.com) and secure an application to the EPP from the Office of Curriculum and Instruction, Room 204,
- (4) meet with departmental advisors to ensure all requirements have been met for admission to the EPP, complete all forms in the application packet, and
- (5) complete and submit an online application, hard copy application and an official transcript to the Director of Certification in Room 100.

Once admitted to the Educator Preparation Program (EPP), students become Candidate Teachers and are assigned an official departmental advisor who should be consulted each academic semester. Advisors guide candidate teachers through the Educator Preparation Program, as well as oversee matriculation through their programs of study. All requirements for the Educator Preparation Program must be met and candidate teachers must earn an overall GPA of 3.00 or better as a requirement for graduation. Courses designated as specialty courses must be completed with grades of "B" or better, where grades of "B-" are unacceptable, and assessment targets referenced for the Educator Preparation Program must also be met.

Prior to admission to the Educator Preparation Program students are encouraged to visit with staff advisors in the COE Student Advisement Center (SAC) for guidance, information, and program updates. SAC is located in the lower level of the Roderick R. Paige Education Building.

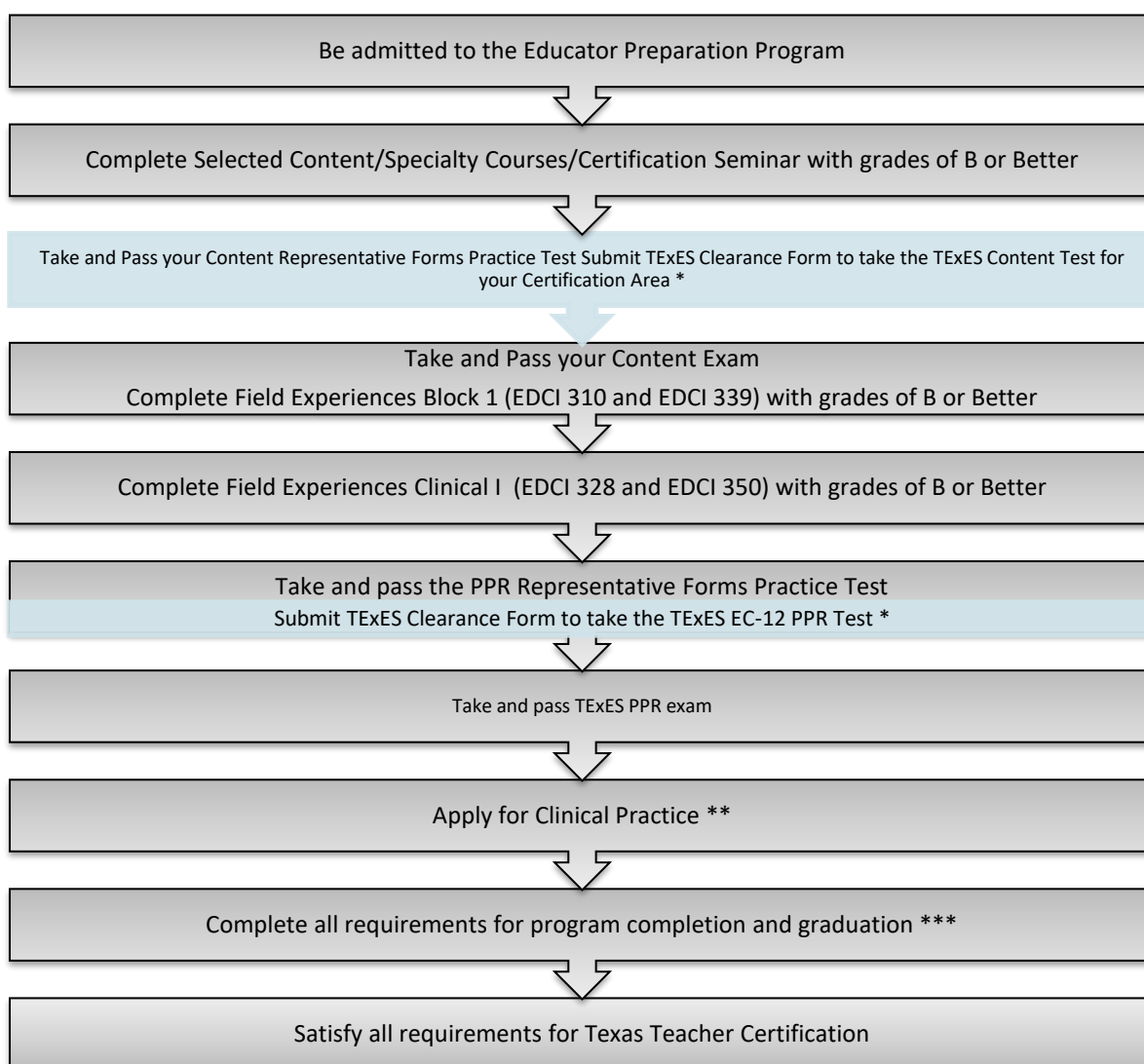
**In summary, students must gain admission to the University, meet University and state testing requirements, petition for admission, and qualify for the Educator Preparation Program. Requirements for the Educator Preparation Program should be reviewed carefully by all interested students. Additional information may be obtained from the Department Office located in R. Paige Education Building 204 or via telephone at (713)313-7267.**

## Departmental Policies

The Department has established policies and procedures to ensure candidates matriculate through the program in a timely manner. Adherence to these policies is necessary to successfully complete the selected program of study.

- Students should apply for admission to the Educator Preparation Program after completing at least 42 of the 60 hours of the foundation/core courses and must be TSI complete. Admission to the Educator Preparation Program **MUST** be obtained prior to enrollment in selected specialty courses and professional development courses.
- Prospective candidates cannot earn more than six (6) semester credit hours in specialty courses prior to admission to the Educator Preparation Program in the College of Education (See Advisor).
- Candidates should enroll in the Professional Development courses in two blocks of six semester hours each. The required sequence is EDCI 310 and EDCI 339 followed by EDCI 328 and EDCI 350. These four courses cannot be taken together in a single semester.
- Candidates seeking certification must earn grades of “B” or better (grades of “B-” are unacceptable) in ALL professional development courses (EDCI 310, EDCI 328, EDCI 339, and EDCI 350).
- Candidates seeking certification must earn grades of “B” or better (grades of “B-” are unacceptable) in specialty/ content courses identified on the selected degree plan.
- Candidates must register in the Department for Content/Specialty, Professional Development, and Clinical Practice Courses.
- Candidates cannot enroll in Clinical Practice until they have taken and passed the state content examination and the Pedagogy and Professional Responsibility (PPR) examination.
- Students desiring to transfer into the Department from other schools and colleges must have an overall GPA of 3.00. Students who fail to meet the GPA requirements can reapply for approval to transfer into the Department after meeting the 3.00 GPA requirement.
- Candidates may register for the TExES exam (Content or PPR) after successfully passing the appropriate TExES Representative Forms Practice Tests (administered by the Department).
- Candidates must complete the Department “Notice of Intent to File for Graduation” form one semester prior to the anticipated graduation date. This will allow time for Advisors to determine whether candidates will be able to complete program requirements by the expected graduation date.

## Steps for Completing the COE Educator Preparation Program



\*Once candidates have passed the Representative Forms Practice Tests, they can seek permission from the Coordinator of Testing and Chairperson of Curriculum & Instruction to take the appropriate state-administered TExES Examinations.

\*\* Candidates cannot enroll in Clinical Practice until the Content and the EC-12 PPR TExES exams have been passed.

\*\*\*Complete the Department “Notice of Intent to File for Graduation” form one semester prior to your anticipated graduation date.

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Haynes, Ingrid</b>  <b>Associate Professor/ Chair, NCATE Coordinator</b>            B.S., M.Ed., Texas Southern University            Ph.D., University of Mississippi</p>	<p><b>Saha-Gupta, Shaswati Nina</b>  <b>Professor</b>            B.A., Delhi University            M.A., Nagpur University            Ph.D., Syracuse University</p>
<p><b>Grant, Viveca A.</b>  <b>Assistant Professor/ Director of Certification</b>            B.A., Sam Houston State University            M.Ed., Texas Southern University            Ed.D., Texas Southern University</p>	<p><b>Smith, Jacqueline</b>  <b>Associate Professor</b>            B.S., Sam Houston State University            M.S., Chicago State University            Ed.D., University of Houston</p>
<p><b>Adams, Amber</b>  <b>Clinical Assistant Professor</b>            B.S., M.Ed., Texas Southern University</p>	<p><b>Song, Holim</b>  <b>Associate Professor</b>            B.A., Kyunghee University            M.A., Ed.D., University of Houston</p>
<p><b>Todd, Reginald L.</b>  <b>Assistant Professor</b>            B.S., Florida A&amp;M University            M.Ed., University of West Florida            Ed.D., University of West Florida</p>	<p><b>Gonzales, Delilah Ann</b>  <b>Assistant Professor/Director of Clinical Practice and Field Experiences</b>            B.S., University of Tennessee at Martin            M.Ed., Ed.D. University of Memphis</p>
<p><b>Benford, Mokysa</b>  <b>Assistant Professor</b>            B.A., University of Texas at Austin            M.Ed., University of Houston            Ed.D., Texas Southern University</p>	<p><b>Roberts, Nina</b>  <b>Clinical Assistant Professor</b>            B.S., Texas Southern University            M.Ed., Texas Southern University</p>



## CURRICULUM AND INSTRUCTION COURSES

<b>EDCI 210</b>	<b>Instructional Technology I</b>	<b>(3)</b>
	Provides practice using computers for instruction, evaluation, and management. Analyzes the tenets of professional conduct, ethics, roles, and responsibilities for teaching with computer technology. Three hours of computer use and lecture per week.	
<b>EDCI 310</b>	<b>Field Based I- Performance Focused Teaching</b>	<b>(3)</b>
	Analyzes the ethical and legal aspects of teaching, including the structure, organization, and management of the Texas educational system. (Must be taken concurrently with EDCI 339, after admission to the Educator Preparation Program). Three hours of lecture per week.	
<b>EDCI 328</b>	<b>Field Based II- Performance Focused Teaching</b>	<b>(3)</b>
	Analyzes human development and behavior that influences learning. Attention is also given to motivational styles, learning styles, and ethnic identity development in multicultural classrooms. Three hours of lecture per week. (Must be taken concurrently with EDCI 350, after admission to the Educator Preparation Program). Prerequisites: EDCI 310 and EDCI 339.	
<b>EDCI 329</b>	<b>Content Focused Teaching in Social Studies</b>	<b>(3)</b>
	Provides developmentally appropriate knowledge and skills needed for planning, organizing, and effectively delivering instruction based on NCSS social studies standards. Three hours of lecture per week.	
<b>EDCI 330</b>	<b>Content Focused Teaching in Mathematics</b>	<b>(3)</b>
	Teaching and learning with an emphasis in content-integrated curriculum and school-based inquiry in mathematics. Three hours of lecture per week.	
<b>EDCI 339</b>	<b>Classroom Management</b>	<b>(3)</b>
	Provides a foundation in comprehensive classroom management with a special emphasis on creating a positive, productive classroom environment. Attention will be given to research-based management techniques and problem solving for unproductive student behaviors. (Must be taken concurrently with EDCI 310, after admission to the Educator Preparation Program). Three hours of lecture per week.	
<b>EDCI 340</b>	<b>Instructional Technology II</b>	<b>(3)</b>
	Emphasizes research, planning, development, implementation, and evaluation of teaching and learning materials for specific purposes. Requires planning for higher order thinking and information processing. Three hours of computer use and lecture per week. Prerequisite: EDCI 210.	
<b>EDCI 346</b>	<b>Introduction to Educational Psychology</b>	<b>(3)</b>
	Develops historical, philosophical, psychological, and social foundations of early childhood education. Cognitive, physical, social, and emotional developmental theories emphasized. Three hours of lecture per week.	
<b>EDCI 347</b>	<b>Adolescent Development Theories</b>	<b>(3)</b>
	Analyzes developmentally appropriate human processes, from birth through age 16, with respect to adolescent adjustment to school and society. Three hours of lecture per week.	

<b>EDCI 350</b>	<b>Designing and Implementing Instruction and Assessment</b>	<b>(3)</b>
	Focuses on the study of instructional methods that emphasize practical application to the teaching/learning process. Some of these strategies include planning, resource selection, evaluation and communication. (Must be taken concurrently with EDCI 328, after admission to the Educator Preparation Program). Three hours of lecture per week. Prerequisites: EDCI 310 and EDCI 339.	
<b>EDCI 402</b>	<b>Content Focused Teaching in Science</b>	<b>(3)</b>
	Teaching and learning with an emphasis in content-integrated curriculum and school-based inquiry in science. Three hours of lecture per week.	
<b>EDCI 404</b>	<b>Certification Seminar</b>	<b>(3)</b>
	Emphasizes the importance of aligning knowledge and skills with best practices in developmentally appropriate teaching environments. Attention will also be given to preparation for state licensure examinations. Three hours of lecture per week.	
<b>EDCI 410</b>	<b>Individual Projects</b>	<b>(3)</b>
	Creates opportunities for students to increase learner outcomes through participation in an independent project to apply effective instructional practices for diverse populations of urban learners. Three hours of lecture per week. Prerequisite: Consent of instructor.	
<b>EDCI 431</b>	<b>Linguistics</b>	<b>(3)</b>
	Introduces the basic linguistic concepts and terminology related to phonology, syntax, morphology, vocabulary, and semantics for bilingual and ESL teachers. Three hours of lecture per week.	
<b>EDCI 432</b>	<b>Language Acquisition</b>	<b>(3)</b>
	Analyzes the first and second language acquisition theories. Addresses the linguistic, cultural, and cognitive factors that impact the acquisition of a second language. Three hours of lecture per week.	
<b>EDCI 433</b>	<b>Early Childhood Curriculum</b>	<b>(3)</b>
	Examines and stresses planning, implementation, and evaluation of developmentally appropriate curriculum content for young children from birth through age eight. Emphasizes an interdisciplinary cognitive curriculum that includes an understanding of mathematics, science, and social studies. Three hours of lecture per week.	
<b>EDCI 434</b>	<b>Creative Arts and Movement</b>	<b>(3)</b>
	Supports pre-service teachers' development of the basic skills and techniques associated with activities and strategies for integrating the visual arts, music, creative drama and movement into the EC-6 curriculum. Three hours of lecture per week.	
<b>EDCI 435</b>	<b>Language Development and Literacy in Early Childhood</b>	<b>(3)</b>
	Emphasizes the development of receptive, expressive language, and emergent literacy in children. Includes understanding and awareness of native speakers of other languages. Three hours of lecture per week.	
<b>EDCI 436</b>	<b>Developing English Language Skills</b>	<b>(3)</b>
	Creates opportunities for students to practice techniques to teach English to speakers of other languages. Three hours of lecture per week.	
<b>EDCI 450</b>	<b>Directed Student Teaching in Grades 4-8</b>	<b>(6)</b>

Provides directed student teaching in grades 4-8 with supervisory support from the College of Education, a University-based supervisor, and a school-based supervisor. Two hours of lecture and forty hours of laboratory per week.

- EDCI 455**                      **Curriculum Development in Bilingual Education**                      **(3)**  
Examines the theoretical bases of bilingual education curriculum. Emphasis is placed on designing curriculum appropriate to EC-6 bilingual education. Includes evaluation of designed curriculum and application. Three hours of lecture per week.
- EDCI 456**                      **Developing Spanish Language Skills I**                      **(3)**  
Develops Spanish language skills needed to teach reading and language arts in a bilingual program. Taught in Spanish. Three hours of lecture per week.
- EDCI 457**                      **Developing Spanish Language Skills II**                      **(3)**  
Develops the technical Spanish vocabulary skills needed to communicate concepts in mathematics, social studies, and science. Taught in Spanish. Three hours of lecture per week.
- EDCI 458**                      **Seminar in Teaching**                      **(3)**  
Focuses on academic language among school personnel: teachers, students, parents, administrators, and others. Three hours of lecture per week.
- EDCI 460**                      **Foundations of Bilingual Education**                      **(3)**  
This course outlines the historical perspective of bilingual education, foundations of education, and the concepts of bilingualism and biculturalism. Three hours of lecture per week.
- EDCI 463**                      **Directed Student Teaching in Special Education**                      **(6)**  
Creates opportunities for observation and student teaching in regular and special class assignments in the area of language/learning disabilities on the elementary or secondary levels. Two hours of lecture and forty hours of laboratory per week.
- EDCI 464**                      **Directed Student Teaching in High School**                      **(6)**  
Creates opportunities for observation and directed teaching by students in an approved secondary school. Two hours of lecture and forty hours of laboratory per week.
- EDCI 466**                      **Directed Student Teaching in Bilingual Classrooms**                      **(6)**  
Creates opportunities for observation and directed teaching of students in elementary, bilingual, and/or ESL classrooms. Supervision done by bilingual faculty. Two hours of lecture and forty hours of laboratory per week.
- EDCI 468**                      **Directed Student Teaching - All Levels**                      **(6)**  
Creates opportunities for observation and directed teaching at the elementary and secondary levels. Half of the time is spent in an elementary school and half of the time is spent in a high school setting. Two hours of lecture and forty hours of laboratory per week.
- EDCI 478**                      **Family and Community Relationships in Early Childhood**                      **(3)**  
Stresses the social and psychological impact that the family and the community have on the development of children. Also examines implications of cultural diversity, family life styles, and socioeconomic level on the young child. Three hours of lecture per week.
- EDCI 479**                      **Management in Early Childhood Environment**                      **(3)**

Emphasizes structuring of indoor and outdoor learning environments that promote positive self image, achievement, and competence. Examines personal health, safety, materials, and resources. Includes group management. Three hours of lecture per week.

**EDCI 491**

**Direct Student Teaching EC-6**

**(6)**

Creates opportunities for observation and directed student teaching at the elementary and kindergarten levels. Half of the time is spent in an elementary school and half of the time is spent in a kindergarten setting. Two hours of lecture and forty hours of laboratory per week.

**DEVELOPMENTAL READING COURSE**

**READ 130**

**Basic Reading and Study Skills**

**(3)**

Designed for students to learn the factors that comprise effective reading, study skills, and vocabulary building. Students engage in interactive learning activities to improve their reading comprehension, methods of study, and vocabulary building. Three hours of lecture and one hour of laboratory per week. Offered under the direction of the College of Liberal Arts & Behavioral Sciences

**READING EDUCATION COURSES**

**RDG 301**

**Content Focused Teaching in Reading**

**(3)**

Recognizes interrelationships of reading, writing, listening, and speaking. Shows how to plan instruction that reflects the interrelated nature of these processes. Three hours of lecture per week. Formerly RDG 201.

**RDG 302**

**Science of Teaching Reading**

**(3)**

Familiarizes students with recent issues in language arts education and teaches them how to apply this information to classroom instruction. Three hours of lecture per week. Formerly RDG 202.

**RDG 400**

**Middle School Reading**

**(3)**

Introduces language arts strategies and concepts of learning across the content areas. Focuses on the curriculum in grades 4-8. Three hours of lecture per week.

**RDG 401**

**Reading for Diverse Populations**

**(3)**

Presents culturally responsive teaching pedagogies to enhance reading skills development of diverse populations of children in Texas schools. Focuses on TEKS-related reading competencies as reflected in K-8 standards. Three hours of lecture per week.

**RDG 402**

**Informal Diagnosis**

**(3)**

Emphasizes assessment of reading skills using informal procedures, including informal reading inventories, checklists, and observation. Three hours of lecture per week.

**RDG 406**

**Reading Appreciation**

**(3)**

Familiarizes pre-service teachers with a wide variety of children's literature and applies such knowledge to the selection, appreciation, and critical evaluation of literary works. Three hours of lecture per week.

**SPECIAL EDUCATION COURSES**

**SPED 309**

**Survey of Exceptional Education I**

**(3)**

<b>SPED 370</b>	<p>Provides a survey of issues related to Learning Disabilities, Mental Retardation, Autism, and Severe/ Multiple Disabilities in relation to the effects of disabilities on learning. May be taken in conjunction with SPED 370 during the same semester. Three hours of lecture per week.</p> <p><b>Survey of Exceptional Education II (3)</b></p> <p>Provides a survey of characteristics and etiology of physical and speech/language disabilities. Basic statutory and legislative issues included. Three hours of lecture per week.</p>
<b>SPED 401</b>	<p><b>Field Experiences in Special Education (3)</b></p> <p>This course provides an opportunity for students to obtain field experiences in schools.</p>
<b>SPED 402</b>	<p><b>Assessment Practices for Children with Disabilities (3)</b></p> <p>Emphasizes the commonly used techniques and tools for assessing students. Includes both formal and informal assessment measures. Three hours of lecture per week.</p>
<b>SPED 403</b>	<p><b>Educational Procedures for Children with Disabilities I (3)</b></p> <p>Outlines strategies and methods used to foster inclusionary practices that improve student outcomes in the areas of mathematics and social skills. Three hours of lecture per week.</p>
<b>SPED 404</b>	<p><b>Managing Behaviors of Children with Disabilities (3)</b></p> <p>Focuses on the characteristics of children with behavioral disorders and provides strategies to address these problems. Three hours of lecture per week.</p>
<b>SPED 405</b>	<p><b>Educational Procedures for Children with Disabilities II (3)</b></p> <p>Outlines strategies and methods used to foster inclusionary practices that improve student outcomes in the areas of language, spelling, and reading. Three hours of lecture per week.</p>
<b>SPED 406</b>	<p><b>School/Community Collaboration for Special Education (3)</b></p> <p>Addresses the importance of collaboration among educators, parents, and the community to meet the needs of all students. Emphasizes collaborative strategies within the context of inclusive education. Three hours of lecture per week.</p>
<b>SPED 410</b>	<p><b>Individual Projects - Special Education (3)</b></p> <p>Creates opportunities for students to increase learner outcomes through participation in an independent project to apply effective special education instructional practices for the urban learner. Three hours of lecture per week.</p>

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE  
IN INTERDISCIPLINARY STUDIES  
4-8 Social Studies Concentration  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (4-8 Social Studies)	OTHER REQUIREMENT	MINOR REQUIREMENT
TSU COURSES	TCCNS EQUIVALENT			
42 credits		66 credits	14 credits	0 credits
<b>Communication:</b>		<b>Relative to Concentration</b>		
ENG 131 (3) **	ENGL 1301	EDCI 346 (3)	SPED 309 (3)	
ENG 132 (3)	ENGL 1302	HIST 246 (3)	EDCI 340 (3)	
<b>Mathematics:</b>		HIST 281 (3)	GEOG 132 (3)	
MATH 133 (3)	MATH 1314	HIST 321 (3)	KIN 235 (3)	
<b>Life and physical sciences:</b>		HIST 342 (3)	PE 1 Any course (1)	
BIOL 143 (3)	BIOL 1308	HIST 344 (3)	FS 102 (1)	
GEOG 141 (3)	GEOG 1303	HIST 371 (3)		
<b>Language, philosophy, and culture:</b>		GEOG 330 (3)		
ENG 230 (3)	ENGL 2332	GEOG 331 (3)		
<b>Creative arts:</b>		SOC 335 (3)		
MUSI 239 (3)	HUMA 1315	RDG 400 (3)		
<b>American history:</b>		RDG 401 (3)		
HIST 231 (3)	HIST 1301	<b>Professional Development</b>		
HIST 232 (3)	HIST 1302			
<b>Government/political science:</b>		EDCI 310 (3)		
POLS 235 (3)	GOVT 2305	EDCI 328 (3)		
POLS 236 (3)	GOVT 2306	EDCI 329 (3)		
<b>Social and behavioral sciences:</b>		EDCI 339 (3)		
PSY 131 (3)	PSY 2301	EDCI 350 (3)		
<b>Institutional Options:</b>		EDCI 404 (3)		
SC 135 (3)	SPCH 1321	EDCI 450 (6)		
EDCI 210 (3)	COSC 1301	EDCI 451 (3)		
		EDCI 458 (3)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.  
 \*\* (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES  
4-8 SOCIAL STUDIES  
DEGREE PLAN - TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SC 135 Speech Communication	3	GEOL 141 Geology	3
	MATH 133 College Algebra	3	HIST 232 Social & Political History of the United States to 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	3
	PE (Any Course)	1		
	FS 102 Freshman Seminar	1		
	17 hrs		15 hrs	
<b>Transition 0: Before the end of Second Semester the candidate should: TSI exam completed with a 3.0 GPA)</b>				

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	GEOG 132 World Regional Geography	3
	POLS 235 American Polit. System I	3	HIST 321 African American History to 1865	3
	HIST 281 Intro to African American Studies	3	POL SCI 236 American Polit. System II	3
	PSY 131 General Psychology	3	EDCI 340 Instructional Technology II	3
	HIST 246 Introduction to Women's Studies	3	<b>SPED 309 Survey of Exceptional Educ. I</b>	3
	KIN 235 Intro to Adapted Physical Ed.	3		
	18 hrs		15 hrs	
<b>Transition 1: Before the end of Fourth Semester, candidate should: Be admitted to the Educator Preparation Program.</b>				

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	RDG 400 Content Reading	3	EDCI 310 Field Based I- Performance Focused Teaching	3
	*EDCI 329 Content Focused Teaching in Social Studies	3	EDCI 339 Classroom Management	3
	GEOG 331 Geography of Texas	3	SOC 335 Ethnic Groups in Society	3
	HIST 371 Texas History	3	EDCI 451 Curriculum and Assessment for English Language Learners	3
	EDCI 404 Certification Seminar	3	HIST 344 Constitutional History of the US	3
	GEOG 330 Introduction Cartography	3		3
		18 hrs		15 hrs
<b>Transition 2:</b>				
<b>Before the end of Fifth Semester, candidate should: Take and pass Content Representative Form. Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339) Register with T-Cert. Login with Certify Teacher (* Content Block Courses taken concurrently</b>			<b>Before the end of Sixth Semester candidate should: Take and pass the PPR Representative Form Test. Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350) Take and pass the TExES Content Test.</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 450 Direct. Stud. Teaching 4-8	6
	EDCI 350 Instructional Strategies	3	EDCI 458 Seminar in Teaching	3
	HIST 342 History of Mexico	3		
	EDCI 346 Introduction to Educational Psychology	3		
	RDG 401 Rdg. For Div. Populations	3		
		15 hrs		9 hrs
<b>Transition 3:</b> <b>Before the end of the Seventh Semester, the candidate should:</b> <b>Take and pass the TExES EC-12 PPR Test.</b> <b>Apply for Clinical Teaching</b>				

IMPORTANT NOTE: Candidate cannot enroll in Clinical Teaching until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.

**Transition 4: By the end of the Eighth Semester, the candidate should**  
**Satisfy all requirements for Texas Teacher Certification**  
**Graduate from the Educator Preparation Program**



**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE  
IN  
INTERDISCIPLINARY STUDIES  
4-8 English Language Arts/Reading/Social Studies Concentration  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (4-8 English Language Arts/Reading/Social Studies)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		66 credits	14 credits	0 credits
<b>Communication:</b>		<b>Relative to Concentration</b>		
ENG 131 (3) **	ENGL 1301	EDCI 329 (3)	SPED 309 (3)	
ENG 132 (3)	ENGL 1302	EDCI 346 (3)	EDCI 340 (3)	
<b>Mathematics:</b>		ENG 351 (3)	HIST 281 (3)	
MATH 133 (3)	MATH 1314	ENG 439 (3)	KIN 235 (3)	
<b>Life and physical sciences:</b>		RDG 301 (3)	PE Any course (1)	
BIOL 143 (3)	BIOL 1308	RDG 302 (3)	FS 102 (1)	
GEOL 141 (3)	GEOL 1303	RDG 400 (3)		
<b>Language, philosophy, and culture:</b>		RDG 401 (3)		
ENG 230 (3)	ENGL 2332	RDG 402 (3)		
<b>Creative arts:</b>		GEOG 330 (3)		
MUSI 239 (3)	HUMA 1315	GEOG 331 (3)		
<b>American history:</b>		HIST 371 (3)		
HIST 231 (3)	HIST 1301	<b>Professional Development</b>		
HIST 232 (3)	HIST 1302	EDCI 310 (3)		
<b>Government/political science:</b>		EDCI 328 (3)		
POLS 235 (3)	GOVT 2305	EDCI 339 (3)		
POLS 236 (3)	GOVT 2306	EDCI 350 (3)		
<b>Social and behavioral sciences:</b>		EDCI 404 (3)		
PSY 131 (3)	PSY 2301	EDCI 435 (3)		
<b>Institutional Options:</b>		EDCI 450 (6)		
SC 135 (3)	SPCH 1321	EDCI 451 (3)		
EDCI 210 (3)	COSC 1301	EDCI 458 (3)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES  
4-8 ENGLISH LANGUAGE ARTS/READING/SOCIAL STUDIES CONCENTRATION  
DEGREE PLAN - TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SC 135 Speech Communication	3	GEOL 141 Intro to Earth	3
	MATH 133 College Algebra	3	HIST 232 Social & Political History of the United States to 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	3
	PE (Any Course)	1	KIN 235 Intro to Adapted Physical Ed.	3
	FS 102 Freshman Seminar	1		
	17 hrs		18 hrs	
<b>Transition 0: Before the end of Second Semester the candidate should: Complete Quick THEA with minimum scores of: Reading: 250                      Math: 230                      Writing: 220 (Multiple-Choice Section)</b>				

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	HIST 371 Texas History	3
	POL SCI 235 American Polit. System I	3	POL SCI 236 Texas Government	3
	HIST 281 Intro to African American Studies	3	RDG 302 Science of Teaching Reading	3
	PSY 131 General Psychology	3	SPED 309 Survey of Exceptional Educ. I	3
	EDCI 340 Instructional Technology II	3	ENG 351 Grammar Review Workshop	3
	15 hrs		15 hrs	
<b>Transition 1: Before the end of Fourth Semester, candidate should: Be admitted to the Educator Preparation Program.</b>				

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	*RDG 301 Content Focused Teaching in Reading	3	EDCI 310 Field Based I- Performance Focused Teaching	3
	*EDCI 329 Content Focused Teaching in Social Studies	3	EDCI 339 Classroom Management	3
	RDG 400 Content Area Reading	3	EDCI 435 Language Development & Literacy	3
	GEOG 331 Geography of Texas	3	EDCI 451 Curriculum and Assessment for English Language Learners	3
	EDCI 404 Certification Seminar	3	RDG 401 Reading for Diverse Populations	3
	ENG 439 The Teaching of English	3	EDCI 346 Introduction to Educational Psychology	3
		18 hrs		18 hrs
<b>Transition 2:</b> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><b>Before the end of <u>Fifth Semester</u>, candidate should: Take and pass Content Representative Form. Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339) Register with T-Cert. Login with Certify Teacher (* Content Block Courses taken concurrently</b></p> </div> <div style="width: 48%;"> <p><b>Before the end of <u>Sixth Semester</u> candidate should: Take and pass the PPR Representative Form Test. Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350) Take and pass the TExES Content Test.</b></p> </div> </div>				

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 450 Direct. Stud. Tch. 4-8	6
	EDCI 350 Designing and Implementing Instruction and Assessment	3	EDCI 458 Seminar in Teaching	3
	RDG 402 Informal Diagnosis	3		
	Any Elective (3 hours)	3		
	GEOG 330 Introduction to Cartography	3		
		<b>15 hrs</b>		<b>9 hrs</b>
<b>Transition 3: Before the end of the Seventh Semester, the candidate should:</b> <b>Take and pass the TExES EC-12 PPR Test.</b> <b>Apply for Teaching</b> <b>*Students cannot apply for Clinical Teaching unless all state licensure exams are passed (see catalog).</b>				

IMPORTANT NOTE: Candidate cannot enroll in Clinical Teaching until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.

**Transition 4: By the end of the Eighth Semester, the candidate should**  
**Satisfy all requirements for Texas Teacher Certification**  
**Graduate from the Educator Preparation Program**

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE  
IN  
INTERDISCIPLINARY STUDIES  
4-8 English Language Arts and Reading Concentration  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (4-8 English Language Arts and Reading)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		65 credits	15 credits	0 credits
<b>Communication:</b>		<b>Relative to Concentration</b>		
ENG 131 (3) **	ENGL 1301	EDCI 346 (3)	FS 102 (1)	
ENG 132 (3)	ENGL 1302	EDCI 451 (3)	EDCI 340 (3)	
<b>Mathematics:</b>		RDG 301 (3)	HED 233 (2)	
MATH 133 (3)	MATH 1314	RDG 302 (3)	KIN 235 (3)	
<b>Life and physical sciences:</b>		RDG 400 (3)	SPED 309 (3)	
BIOL 143 (3)	BIOL 1308	RDG 401 (3)	SPED 370 (3)	
GEOL 141 (3)	GEOL 1303	RDG 402 (3)		
<b>Language, philosophy, and culture:</b>		RDG 404 (3)		
ENG 230 (3)	ENGL 2332	RDG 406 (3)		
<b>Creative arts:</b>		ENG 244 (3)		
MUSI 239 (3)	HUMA 1315	ENG 351 (3)		
<b>American history:</b>		ENG 439 (3)		
HIST 231 (3)	HIST 1301	<b>Professional Development</b>		
HIST 232 (3)	HIST 1302	EDCI 310 (3)		
<b>Government/political science:</b>		EDCI 328 (3)		
POLS 235 (3)	GOVT 2305	EDCI 339 (3)		
POLS 236 (3)	GOVT 2306	EDCI 350 (3)		
<b>Social and behavioral sciences:</b>		EDCI 404 (3)		
PSY 131 (3)	PSY 2301	EDCI 435 (3)		
<b>Institutional Options:</b>		EDCI 450 (6)		
SC 135 (3)	SPCH 1321	EDCI 452 (2)		
EDCI 210 (3)	COSC 1301	EDCI 458 (3)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES  
4-8 ENGLISH LANGUAGE ARTS/READING CONCENTRATION  
DEGREE PLAN - TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SC 135 Speech Communication	3	GEOL 141 Geology	3
	MATH 133 College Algebra	3	HIST 232 Social & Political History of the United States to 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	3
	FS 102 Freshman Seminar	1	HED 233 Principles of Health	2
		16 hrs		17 hrs
<b>Transition 0: Before the end of Second Semester the candidate should: TSI Exam Completed with a 3.0 GPA</b>				

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	POL 236 Texas Government	3
	POL 235 American Government	3	RDG 302 Reading Skills Development	3
	SPED 309 Survey of Exceptional Educ. I	3	EDCI 340 Instructional Technology II	3
	ENG 244 African American Literacy	3	ENG 351 Grammar Review Workshop	3
	PSY 131 General Psychology	3	EDCI 346 Introduction to Educational Psychology	3
	KIN 235 Intro to Adapted Physical Ed	3		
		18 hrs		15 hrs
<b>Transition 1: Before the end of Fourth Semester, candidate should: Be admitted to the Educator Preparation Program.</b>				

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	*RDG 301 Content Focused Teaching in Reading	3	EDCI 310 Field Based I- Performance Focused Teaching	3
	RDG 400 Content Area Reading	3	EDCI 339 Classroom Management	3
	RDG 401 Reading for Diverse Populations	3	EDCI 451 Curriculum & Assessment for English Language Learners	3
	EDCI 404 Certification Seminar	3	RDG 402 Informal Diagnosis	3
	ENG 439 The Teaching of English	3	ECDCI 435 Language Dev. and Literacy	3
	SPED Survey for Exceptional Educ II	3		
		18 hrs		15 hrs
<b>Transition 2:</b>				

<p><b>Before the end of <u>Fifth Semester</u>, candidate should:</b>          Take and pass Content Representative Form.          Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)          Register with T-Cert.          Login with Certify Teacher          (*) Content Block Courses taken concurrently</p>	<p><b>Before the end of <u>Sixth Semester</u> candidate should:</b>          Take and pass the PPR Representative Form Test.          Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)          Take and pass the TExES Content Test.</p>
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Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II - Performance Focused Teaching	3	EDCI 450 Direct Student Teaching 4-8	6
	EDCI 350 Designing and Implementing Instruction & Assessment	3	EDCI 458 Seminar in Teaching	3
	EDCI 452 ESL Materials and Methods	2		
	RDG 406 Reading Appreciation	3		
	RDG 404 Reading Study/Skills	3		
		14 hrs		9hrs
<p><b>Transition 3: Before the end of the Seventh Semester, the candidate should:</b>          Take and pass the TExES EC-12 PPR Test.          Apply for Clinical Teaching</p>				

**IMPORTANT NOTE:** Candidate cannot enroll in Clinical Teaching until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.

**Transition 4:** *By the end of the Eighth Semester, the candidate should Satisfy all requirements for Texas Teacher Certification Graduate from the Educator Preparation Program*

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE  
IN  
INTERDISCIPLINARY STUDIES  
4-8 Mathematics/Science Concentration  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (4-8 Mathematics/Science)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		61 credits	19 credits	0 credits
<b>Communication:</b>		<b>Relative to Concentration</b>	MATH 235 (3)	
ENG 131 (3) **	ENGL 1301	EDCI 404 (3)	MATH 236 (3)	
ENG 132 (3)	ENGL 1302	MATH 136 (3)	EDCI 340 (3)	
<b>Mathematics:</b>		MATH 241 (4)	SPED 309 (3)	
MATH 133 (3)	MATH 1314	MATH 250 (3)	HED 233 (2)	
<b>Life and physical sciences:</b>		RDG 401 (3)	PE Any course (1)	
BIOL 143 (3)	BIOL 1308	BIOL 343 (3)	EDCI 346 (3)	
GEOL 141 (3)	GEOL 1303	BIOL 345 (1)	FS 102 (1)	
<b>Language, philosophy, and culture:</b>		BIOL 347 (4)		
ENG 230 (3)	ENGL 2332	PHYS 237 (3)		
<b>Creative arts:</b>		PHYS 213 (1)		
MUSI 239 (3)	HUMA 1315	PHYS 238 (3)		
<b>American history:</b>		PHYS 214 (1)		
HIST 231 (3)	HIST 1301	<b>Professional Development</b>		
HIST 232 (3)	HIST 1302	EDCI 310 (3)		
<b>Government/political science:</b>		EDCI 328 (3)		
POLS 235 (3)	GOVT 2305	EDCI 330 (3)		
POLS 236 (3)	GOVT 2306	EDCI 339 (3)		
<b>Social and behavioral sciences:</b>		EDCI 350 (3)		
PSY 131 (3)	PSY 2301	EDCI 402 (3)		
<b>Institutional Options:</b>		EDCI 450 (6)		
SC 135 (3)	SPCH 1321	EDCI 452 (2)		
EDCI 210 (3)	COSC 1301	EDCI 458 (3)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES  
4-8 MATHEMATICS/SCIENCE CONCENTRATION  
DEGREE PLAN - TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SPCH 135 Speech Communication	3	MATH 136 Trigonometry	3
	MATH 133 College Algebra	3	HIST 232 Social & Political History of the United States to 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	3
	PE Any Course	1	HED 233 Principles of Health	2
	FS 102 Seminar	1		
		17 hrs		17hrs
<b>Transition 0: Before the end of Second Semester the candidate should: TSI exam completed with a 3.0 GPA</b>				

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	GEOG 131 Intro to Earth	3
	POL 235 American Government	3	POL 236 Texas Government	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found., Geom., Stat., Prob.	3
	PSY 131 General Psychology	3	SPED 309 Survey of Exceptional Educ II	3
	MATH 250 Linear Algebra	3	PHYS 237 College Physics I	3
			PHYS 213 College Physics Lab	1
		15 hrs		16 hrs
<b>Transition 1: Before the end of Fourth Semester, candidate should: Be admitted to the Educator Preparation Program.</b>				

	FIFTH SEMESTER		SIXTH SEMESTER	
	PHYS 238 College Physics II	3	Math 241 Calculus & Geometry I	4
	PHYS 214 College Physics Lab II	1	BIOL 343 Ecology	3
	*EDCI 330 Content Focused Teaching in Mathematics	3	BIOL 345 Ecology	1
	EDCI 404 Certification Seminar	3	EDCI 339 Classroom Management	3
	BIOL 347 Microbiology	4	EDCI 452 ESL Materials an Methods	2
	EDCI 402 Content Focused Teaching in Science	3	EDCI 310 Field Based I-Performance Focused Teaching	3
		17hrs		16hrs
<b>Transition 2:</b>				



<p><b>Before the end of Fifth Semester, candidate should:</b></p> <ul style="list-style-type: none"> <li>•Take and pass Content Representative Form.</li> <li>Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339)</li> <li>•Register with T-Cert.</li> <li>•Login with Certify Teacher</li> <li>(*) Content Block Courses taken concurrently</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Before the end of <u>Sixth Semester</u> candidate should:</b></li> <li>Take and pass the PPR Representative Form Test.</li> <li>Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)</li> <li>Take and pass the TExES Content Test.</li> </ul>
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		SEVENTH SEMESTER		EIGHTH SEMESTER	
<b>Fourth Year</b>		EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 450 Direct. Stud. Tch. 4-8	6
		EDCI 350 Designing and Implementing Instruction and Assessment	3	EDCI 458 Seminar in Teaching	3
		RDG 401 Rdg. For Diverse Populations	3		
		RDG 346 Introduction to Educational Psychology	3		
		SPED 370 Survey of Exceptional Educ II	3		
			15 hrs		9 hrs
<p><b>Transition 3: Before the end of the Seventh Semester, the candidate should:</b></p> <p>Take and pass the TExES EC-12 PPR Test.</p> <p>Apply for Clinical Teaching</p>					

**IMPORTANT NOTE: Candidate cannot enroll in Clinical Teaching until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.**

*Transition 4: By the end of the Eighth Semester, the candidate should Satisfy all requirements for Texas Teacher Certification Graduate from the Educator Preparation Program*

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE  
IN INTERDISCIPLINARY STUDIES  
4-8 Mathematics Concentration  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (4-8 Mathematics)	OTHER REQUIREMENT	MINOR REQUIREMENT
TSU COURSES	TCCNS EQUIVALENT			
42 credits		59 credits	21 credits	0 credits
<b>Communication:</b>		<b>Relative to Concentration</b>		
ENG 131 (3) **	ENGL 1301	MATH 136 (3)	MATH 235 (3)	
ENG 132 (3)	ENGL 1302	MATH 241 (4)	MATH 236 (3)	
<b>Mathematics:</b>		MATH 242 (4)	SPED 370 (3)	
MATH 133 (3)	MATH 1314	MATH 250 (3)	EDCI 340 (3)	
<b>Life and physical sciences:</b>		MATH 331 (3)		
BIOL 143 (3)	BIOL 1308	MATH 430(3)	KIN 235 (3)	
GEOL 141 (3)	GEOL 1303	RDG 302 (3)	HED 233 (2)	
<b>Language, philosophy, and culture:</b>		RDG 401 (3)		
ENG 230 (3)	ENGL 2332		SPED 309 (3)	
<b>Creative arts:</b>			FS 102 (1)	
MUSI 239 (3)	HUMA 1315			
<b>American history:</b>				
HIST 231 (3)	HIST 1301	<b>Professional Development</b>		
HIST 232 (3)	HIST 1302	EDCI 310 (3)		
<b>Government/political science:</b>		EDCI 328 (3)		
POLS 235 (3)	GOVT 2305	EDCI 330 (3)		
POLS 236 (3)	GOVT 2306	EDCI 339 (3)		
<b>Social and behavioral sciences:</b>		EDCI 346 (3)		
PSY 131 (3)	PSY 2301	EDCI 350 (3)		
<b>Institutional Options:</b>		EDCI 404 (3)		
SC 135 (3)	SPCH 1321	EDCI 450 (6)		
EDCI 210 (3)	COSC 1301	EDCI 451 (3)		
		EDCI 458 (3)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES  
4-8 MATHEMATICS CONCENTRATION  
DEGREE PLAN - TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SC 135 Speech Communication	3	MATH 136 Plan Trigonometry	3
	MATH 133 College Algebra	3	HIST 232 Social & Political History of the United States to 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	3
	FS 102 Freshman Seminar	1	HED 233 Principles of Health	2
		16 hrs		17 hrs
<b>Transition 0: Before the end of Second Semester the candidate should: TSI Exam Completed with a 3.0 GPA</b>				

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	GEOL 141 Intro to the Earth	3
	POL 235 American Government	3	POLS 236 Texas Government	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	MATH 236 Found., Geom., Stat., Prob.	3
	PSY 131 Genera Psychology	3	EDCI 340 Instructional Technology	3
	MATH 250 Linear Algebra	3	SPED 309 Survey of Exceptional Educ II	3
	KIN 235 Intro to Adapted Physical Ed.	3		
	18 hrs		15 hrs	
<b>Transition 1: Before the end of Fourth Semester, candidate should: Be admitted to the Educator Preparation Program.</b>				

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	Math 241 Calculus & Analy. Geom I	4	Math 242 Calculus & Geometry II	4
	MATH 430 The History of Mathematics	3	RDG 302 RDG Sils Development	3
	*EDCI 330 Content Focused Teaching in Mathematics	3	EDCI 310 Field Based I- Performance Focused Teaching	3
	EDCI 404 Certification Seminar	3	EDCI 339 Classroom Management	3
	MATH 331 Logic, Sets, & Functions	3	EDCI 451 Curriculum and Assessment for English Language Learners	3
		16 hrs		16 hrs
<b>Transition 2:</b>				
<b>Before the end of Fifth Semester, candidate should:</b> •Take and pass Content Representative Form. Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339) •Register with T-Cert. •Login with Certify Teacher (*) Content Block Courses taken concurrently		<b>• Before the end of <u>Sixth Semester</u> candidate should:</b> Take and pass the PPR Representative Form Test. Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350) Take and pass the TExES Content Test.		

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 450 Direct. Stud. Tch. 4-8	6
	EDCI 350 Designing and Implementing Instruction and Assessment	3	EDCI 458 Seminar in Teaching	3
	RDG 401 Rdg. For Div. Populations	3		
	EDCI 346 Introduction to Educational Psychology	3		
	SPED 370 Survey of Exceptional Educ. II	3		
	15 hrs		9 hrs	
<b>Transition 3: Before the end of the Seventh Semester, the candidate should:</b> <b>Take and pass the TExES EC-12 PPR Test.</b> <b>Apply for Clinical Teaching</b>				

**IMPORTANT NOTE: Candidate cannot enroll in Clinical Teaching until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.**

*Transition 4: By the end of the Eighth Semester, the candidate should Satisfy all requirements for Texas Teacher Certification Graduate from the Educator Preparation Program*

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE IN  
INTERDISCIPLINARY STUDIES  
EC-6 GENERALIST CONCENTRATION- CORE  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (EC-6 Generalist)	OTHER REQUIREMENT	MINOR REQUIREMENT
TSU COURSES	TCCNS EQUIVALENT			
42 credits		62 credits	18 credits	0 credits
<b>Communication:</b>		<b>Relative to Concentration</b>		
ENG 131 (3) **	ENGL 1301	EDCI 330 (3)	FS 102 (1)	
ENG 132 (3)	ENGL 1302	EDCI 346 (3)	HED 233 (2)	
<b>Mathematics:</b>		EDCI 402 (3)	MATH 235 (3)	
MATH 133 (3)	MATH 1314	EDCI 433 (3)	MATH 236 (3)	
<b>Life and physical sciences:</b>		EDCI 434 (3)	SPED 309 (3)	
BIOL 143 (3)	BIOL 1308	RDG 301 (3)		
GEOL 141 (3)	GEOL 1303	RDG 302 (3)	EDCI 340 (3)	
<b>Language, philosophy, and culture:</b>		RDG 401 (3)	KIN 235 (3)	
ENG 230 (3)	ENGL 2332			
<b>Creative arts:</b>		<b>Professional Development</b>		
MUSI 239 (3)	HUMA 1315	EDCI 310 (3)		
<b>American history:</b>		EDCI 328 (3)		
HIST 231 (3)	HIST 1301	EDCI 329 (3)		
HIST 232 (3)	HIST 1302	EDCI 339 (3)		
<b>Government/political science:</b>		EDCI 350 (3)		
POLS 235 (3)	GOVT 2305	EDCI 404 (3)		
POLS 236 (3)	GOVT 2306	EDCI 435 (3)		
<b>Social and behavioral sciences:</b>		EDCI 451 (3) or EDCI 453 (3)		
PSY 131 (3)	PSY 2301	EDCI 452 (2)		
<b>Institutional Options:</b>		EDCI 458 (3)		
SC 135 (3)	SPCH 1321	EDCI 478 (3)		
EDCI 210 (3)	COSC 1301	EDCI 491 (6)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES  
EC-6 GENERALIST-CORE  
DEGREE PLAN - TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SC 135 Speech Communication	3	PSY 131 General Psychology	3
	MATH 133 College Algebra	3	HIST 232 Social & Political History of the United States to 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	3
	FS 102 Freshman Seminar	1	HED 233 Principles of Health	2
	16 hrs		17 hrs	
<b>Transition 0: Before the end of Second Semester the candidate should: TSI exam completed with a 3.0 GPA</b>				

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	POL 236 Texas Government	3
	POLS 235 American Government	3	MATH 236 Found., Geom., Stat., Prob.	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	RDG 302 Science of Teaching Reading	3
	GEOL 141 Geology	3	SPED 309 Survey of Exceptional Educ. I	3
	EDCI 340 Instructional Technology II	3	EDCI 346 Introduction to Educational Psychology	3
	KIN 235 Intro. to Adapted Physical Ed.	3		
	18 hrs		15 hrs	
<b>Transition 1: Before the end of Fourth Semester, candidate should: Be admitted to the Educator Preparation Program.</b>				

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	*RDG 301 Content Focused Teaching in Reading	3	EDCI 310 Field Based I- Performance Focused Teaching	3
	*EDCI 329 Content Focused Teaching in Social Studies	3	EDCI 339 Classroom Management	3
	*EDCI 330 Content Focused Teaching in Mathematics	3	EDCI 451 Curriculum and Assessment for English Language Learners	3
	*EDCI 402 Content Focused Teaching in Science	3	Or EDCI 453 Conversational Spanish for Teachers (3)	
	EDCI 404 Certification Seminar	3	EDCI 434 Creativity and Movement I	3
		3	EDCI 435 Language Development & Literacy	3
			EDCI 478 Family & Com. Relat. EC	3
	15 hrs		18hrs	
<b>Transition 2:</b>				
<b>Before the end of <u>Fifth Semester</u>, candidate should:</b> Take and pass Content Representative Form. Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339) Register with T-Cert. Login with Certify Teacher (*) Content Block Courses taken concurrently		<b>Before the end of <u>Sixth Semester</u> candidate should:</b> Take and pass the PPR Representative Form Test. Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350) Take and pass the TEXES Content Test.		

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 458 Seminar in Teaching	3
	EDCI 350 Instructional Strategies	3	EDCI 491 Direct. Stud. Teaching, EC-6	6
	RDG 401 Rdg. For Div. Populations	3		
	EDCI 433 Early Childhood Curriculum	3		
	EDCI 452 ESL Materials and Methods	2		
		14 hrs		9 hrs
<b>Transition 3: Before the end of the Seventh Semester, the candidate should:</b> <b>Take and pass the TExES EC-12 PPR Test.</b> <b>Apply for Clinical Teaching</b>				

**IMPORTANT NOTE: Candidate cannot enroll in Clinical Teaching until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.**

*Transition 4: By the end of the Eighth Semester, the candidate should Satisfy all requirements for Texas Teacher Certification Graduate from the Educator Preparation Program*

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE IN  
INTERDISCIPLINARY STUDIES  
EC-6 BILINGUAL GENERALIST CONCENTRATION  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (EC-6 Bilingual Generalist)	OTHER REQUIREMENT	MINOR REQUIREMENT
TSU COURSES	TCCNS EQUIVALENT			
42 credits		65 credits	15 credits	0 credits
<b>Communication:</b>		<b>Relative to Concentration</b>		
ENG 131 (3) **	ENGL 1301	EDCI 329 (3)	MATH 235 (3)	
ENG 132 (3)	ENGL 1302	EDCI 330 (3)	MATH 236 (3)	
<b>Mathematics:</b>		EDCI 346 (3)	SPED 309 (3)	
MATH 133 (3)	MATH 1314	EDCI 402 (3)	EDCI 340 (3)	
<b>Life and physical sciences:</b>		EDCI 431 (3)		
BIOL 143 (3)	BIOL 1308	EDCI 432 (3)	HED 233 (2)	
GEOL 141 (3)	GEOL 1303	EDCI 456 (3)	FS 102 (1)	
<b>Language, philosophy, and culture:</b>		EDCI 457 (3)		
ENG 230 (3)	ENGL 2332	EDCI 460 (3)		
<b>Creative arts:</b>		RDG 301 (3)		
MUSI 239 (3)	HUMA 1315	RDG 302 (3)		
<b>American history:</b>		<b>Professional Development</b>		
HIST 231 (3)	HIST 1301	EDCI 310 (3)		
HIST 232 (3)	HIST 1302	EDCI 328 (3)		
<b>Government/political science:</b>		EDCI 339 (3)		
POLS 235 (3)	GOVT 2305	EDCI 350 (3)		
POLS 236 (3)	GOVT 2306	EDCI 404 (3)		
<b>Social and behavioral sciences:</b>		EDCI 433 (3)		
PSY 131 (3)	PSY 2301	EDCI 451 (3)		
<b>Institutional Options:</b>		EDCI 452 (2)		
SC 135 (3)	SPCH 1321	EDCI 458 (3)		
EDCI 210 (3)	COSC 1301	EDCI 466 (6)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.



**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES  
EC-6 BILINGUAL GENERALIST CONCENTRATION  
DEGREE PLAN - TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SC 135 Speech Communication	3	PSY 131 General Psychology	3
	MATH 133 College Algebra	3	HIST 232 Social & Political History of the United States to 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	3
	FS 102 Freshman Seminar	1	HED 233 Principles of Health	2
		16 hrs		17 hrs
<b>Transition 0: Before the end of Second Semester the candidate should: TSI exam completed with a 3.0 GPA</b>				

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	POLS 236 Texas Government	3
	POLS 235 American Government	3	MATH 236 Found., Geom., Stat., Prob.	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	RDG 302 Science of Teaching Reading	3
	GEOL 141Geology	3	SPED 309 Survey of Exceptional Educ. I	3
	EDCI 340 Instructional Technology II	3	EDCI 346 Introduction to Educational Psychology	3
		15 hrs		15 hrs
	<b>Transition 1: Before the end of Fourth Semester, candidate should: Be admitted to the Educator Preparation Program.</b>			

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	*RDG 301 Content Focused Teaching in Reading	3	EDCI 310 Field Based I- Performance Focused Teaching	3
	*EDCI 329 Content Focused Teaching in Social Studies	3	EDCI 339 Classroom Management	3
	*EDCI 330 Content Focused Teaching in Mathematics	3	EDCI 431 Linguistics for Teachers	3
	*EDCI 402 Content Focused Teaching in Science	3	EDCI 460 Foundations of Bilingual Ed.	3
	EDCI 404 Certification Seminar	3	EDCI 451 Curriculum and Assessment for English Language Learners	3
			EDCI 456 Developing Spanish Skills I	3
		15hrs		18 hrs
<b>Transition 2:</b>				
<b>Before the end of Fifth Semester, candidate should:</b> Take and pass Content Representative Form. Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339) Register with T-Cert. Login with Certify Teacher (* ) Content Block Courses taken concurrently			<b>Before the end of Sixth Semester candidate should:</b> Take and pass the PPR Representative Form Test. Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350)  Take and pass the TExES Content Test.	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 458 Seminar in Teaching	3
	EDCI 350 Designing and Implementing Instruction and Assessment	3	EDCI 466 Direct Student Teaching in Bilingual Classrooms	6
	EDCI 432 Language Acquisition	3		
	EDCI 433 Early Childhood Curriculum	3		
	EDCI 452 ESL Materials and Methods	2		
	EDCI 457 Developing Spanish Skills II	3		
		17 hrs		9 hrs
<b>Transition 3: Before the end of the Seventh Semester, the candidate should:            Take and pass the TExES EC-12 PPR Test.            Apply for Clinical Teaching</b>				

**IMPORTANT NOTE: Candidate cannot enroll in Clinical Teaching until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.**

*Transition 4: By the end of the Eighth Semester, the candidate should  
 Satisfy all requirements for Texas Teacher Certification  
 Graduate from the Educator Preparation Program*

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE  
IN INTERDISCIPLINARY STUDIES  
SCIENCE 4-8 CONCENTRATION  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (Science 4-8)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		63 credits	17 credits	0 credits
<b><u>Communication:</u></b>		<b>Relative to Concentration</b>		
ENG 131 (3) **	ENGL 1301	BIOL 135 (3)	EDCI 340 (3)	
ENG 132 (3)	ENGL 1302	BIOL 343 (3)	EDCI 452 (2)	
<b><u>Mathematics:</u></b>		BIOL 345 (1)		
MATH 133 (3)	MATH 1314	BIOL 347 (4)	SPED 309 (3)	
<b><u>Life and physical sciences:</u></b>		CHEM 111 (1)	SPED 370 (3)	
BIOL 143 (3)	BIOL 1308	CHEM 131 (3)	HED 233 (2)	
GEOL 141 (3)	GEOL 1303	CHEM 132 (3)	KIN 235 (3)	
<b><u>Language, philosophy, and culture:</u></b>		CHEM 112 (1)	FS 102 (1)	
ENG 230 (3)	ENGL 2332	RDG 401 (3)		
<b><u>Creative arts:</u></b>		PHYS 237 (3)		
MUSI 239 (3)	HUMA 1315	PHYS 213 (1)		
<b><u>American history:</u></b>		PHYS 238 (3)		
HIST 231 (3)	HIST 1301	PHYS 214 (1)		
HIST 232 (3)	HIST 1302			
<b><u>Government/political science:</u></b>		<b>Professional Development</b>		
POLS 235 (3)	GOVT 2305	EDCI 310 (3)		
POLS 236 (3)	GOVT 2306	EDCI 328 (3)		
<b><u>Social and behavioral sciences:</u></b>		EDCI 339 (3)		
PSY 131 (3)	PSY 2301	EDCI 346 (3)		
<b><u>Institutional Options:</u></b>		EDCI 350 (3)		
SC 135 (3)	SPCH 1321	EDCI 402 (3)		
EDCI 210 (3)	COSC 1301	EDCI 404 (3)		
		EDCI 450 (6)		
		EDCI 451 (3) or EDCI 453 (3)		
		EDCI 458 (3)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE INTERDISCIPLINARY STUDIES  
SCIENCE 4-8 CONCENTRATION  
DEGREE PLAN - TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SC 135 Speech Communication	3	PSY 131 General Psychology	3
	MATH 133 College Algebra	3	HIST 232 Social & Political History of the United States to 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	3
	FS 102 Freshman Seminar	1	HED 233 Principles of Health	2
		16 hrs		17 hrs
<b>Transition 0: Before the end of Second Semester the candidate should: TSI Exam completed with 3.0 GPA</b>				

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	POLS 236 Texas Government	3
	GEOL 141 Intro to the Earth	3	SPED 309 Survey of Exceptional Educ. I	3
	POLS 235 American Government	3	CHEM 131 Gen. Chemistry I	3
	PHYS 237 College Physics I	3	CHEM 111 Gen. Chemistry Lab	1
	PHYS 213 College Physics Lab II	1	PHYS 238 College Physics II	3
	BIOL 135 Biological Science I Lec	3	PHYS 214 College Physics Lab II	1
		16 hrs	KIN 235 Intro to Adapted Physical Ed.	3
			17 hrs	
<b>Transition 1: Before the end of Fourth Semester, candidate should: Be admitted to the Educator Preparation Program.</b>				

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	BIOL 343 Ecology	3	EDCI 310 Field Based I- Performance Focused Teaching.	3
	BIOL 345 Ecology Lab	1	EDCI 339 Classroom Management	3
	*EDCI 402 Content Focused Teaching in Science	3	SPED 370 Survey of Exceptional Educ. II	3
	EDCI 404 Certification Seminar	3	EDCI 451 Curriculum and Assessment for English Language Learners	3
	CHEM 132 Gen. Chemistry II	3	Or EDCI 453 Conversational Spanish for Teachers (3)	
	CHEM 112 Gen. Chemistry Lab II	1	EDCI 346 Introduction to Educational Psychology	3
	RDG 401 Rdg. For Div. Populations	3		
	17 hrs		15 hrs	
<b>Transition 2:</b>				
<b>Before the end of Fifth Semester, candidate should:</b> Take and pass Content Representative Form. Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339) Register with T-Cert. Login with Certify Teacher (* Content Block Courses taken concurrently)		<b>Before the end of Sixth Semester candidate should:</b> Take and pass the PPR Representative Form Test. Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350) Take and pass the TExES Content Test.		

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 450 Direct. Stud. Tch. 4-8	6
	EDCI 350 Designing and Implementing Instruction and Assessment	3	EDCI 458 Seminar in Teaching	3
	BIOL 347 Microbiology	4		
	EDCI 340 Instructional Technology II	3		
	EDCI 452 ESL Materials and Methods	2		
		15 hrs		9 hrs
<b>Transition 3: Before the end of the Seventh Semester, the candidate should:            Take and pass the TExES EC-12 PPR Test.            Apply for Clinical Teaching</b>				

**IMPORTANT NOTE: Candidate cannot enroll in Clinical Teaching until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.**

*Transition 4: By the end of the Eighth Semester, the candidate should  
 Satisfy all requirements for Texas Teacher Certification  
 Graduate from the Educator Preparation Program*

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE  
IN  
INTERDISCIPLINARY STUDIES  
Special Education All Levels/EC-6 Concentration  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (Special Education All Levels/EC-6)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		63 credits	17 credits	0 credits
<b>Communication:</b>		<b>Relative to Concentration</b>		
ENG 131 (3) **	ENGL 1301	EDCI 330 (3)	MATH 235 (3)	
ENG 132 (3)	ENGL 1302	EDCI 346 (3)	MATH 236 (3)	
<b>Mathematics:</b>		EDCI 402 (3)	EDCI 340 (3)	
MATH 133 (3)	MATH 1314	SPED 309 (3)	KIN 235 (3)	
<b>Life and physical sciences:</b>		SPED 402 (3)	PE Any Course (1)	
BIOL 143 (3)	BIOL 1308	SPED 404 (3)	SPED 370 (3)	
GEOL 141 (3)	GEOL 1303	SPED 405 (3)	FS 102 (1)	
<b>Language, philosophy, and culture:</b>		SPED 406 (3)		
ENG 230 (3)	ENGL 2332	RDG 301 (3)		
<b>Creative arts:</b>		RDG 302 (3)		
MUSI 239 (3)	HUMA 1315	RDG 401 (3)		
<b>American history:</b>		<b>Professional Development</b>		
HIST 231 (3)	HIST 1301	EDCI 310 (3)		
HIST 232 (3)	HIST 1302	EDCI 328 (3)		
<b>Government/political science:</b>		EDCI 329 (3)		
POLS 235 (3)	GOVT 2305	EDCI 339 (3)		
POLS 236 (3)	GOVT 2306	EDCI 350 (3)		
<b>Social and behavioral sciences:</b>		EDCI 404 (3)		
PSY 131 (3)	PSY 2301	EDCI 451 (3)		
<b>Institutional Options:</b>		EDCI 458 (3)		
SC 135 (3)	SPCH 1321	EDCI 463 (6)		
EDCI 210 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE IN INTERDISCIPLINARY STUDIES  
SPECIAL EDUCATION ALL LEVELS/EC-6 CONCENTRATION  
FOUR YEAR DEGREE PLAN – TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SC 135 Speech Communication	3	PSY 131 General Psychology	3
	MATH 133 College Algebra	3	HIST 232 Social & Political History of the United States to 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	BIOL 143 Survey of Life Science	3
	MUSI 239 Fine Arts in Daily Living	3	EDCI 210 Instructional Technology I	3
	PE Any Course	1	KIN 235 Intro to Adapted Physical Ed.	3
	FS 102 Freshmen Seminar	1		
	17 hrs		18hrs	
<b>Transition 0: Before the end of Second Semester the candidate should: TSI exam completed with a 3.0 GPA</b>				

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	POLS 236 Texas Government	3
	POLS 235 American Government	3	MATH 236 Found., Geom., Stat., Prob.	3
	MATH 235 Struc. & App. Of Numb. Sys.	3	RDG 302 Science of Teaching Reading	3
	GEOL 141 Intro to the Earth	3	EDCI 340 Instructional Technology II	3
	SPED 309 Survey of Exceptional Educ. I	3	SPED 370 Survey of Exceptional Educ. II	3
	15 hrs		15 hrs	
<b>Transition 1: Before the end of Fourth Semester, candidate should: Be admitted to the Educator Preparation Program.</b>				

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	*RDG 301 Content Focused Teaching in Reading	3	EDCI 310 Field Based I- Performance Focused Teaching	3
	SPED 405 Educational Procedures for Children w/ Disabilities	3	EDCI 339 Classroom Management	3
	SPED 404 Managing Behaviors of Children w/Disabilities	3	*EDCI 330 Content Focused Teaching in Mathematics	3
	SPED 406 Sch./Comm. Collab. For Spec. Ed	3	*EDCI 402 Content Focused Teaching in Science	3
	SPED 402 Assess Practices for Children w/ Disabilities	3	*EDCI 329 Content Focused Teaching in Social Studies	3
	EDCI 404 Certification Seminar	3		
		18 hrs		15 hrs
<b>Transition 2:</b> <b>Before the end of <u>Fifth Semester</u>, candidate should:</b> Take and pass Content Representative Form. Enroll in Field Experience Block 1 (EDCI 310 and EDCI 339) Register with T-Cert. Login with Certify Teacher (* Content Block Courses taken concurrently		<b>Before the end of <u>Sixth Semester</u> candidate should:</b> Take and pass the PPR Representative Form Test. Enroll in Field Experience Block 2 (EDCI 328 and EDCI 350) Take and pass the TExES Content Test.		

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 328 Field Based II- Performance Focused Teaching	3	EDCI 463 Direct. Stud. Tch. Spec. Ed.	6
EDCI 350 Instructional Strategies	3	EDCI 458 Seminar in Teaching	3	

EDCI 346 Introduction to Educational Psychology	3		
EDCI 451 Curriculum and Assessment for English Language Learners	3		
RDG 401 Rdg. For Div. Populations	3		
	15 hrs		9 hrs
<b>Transition 3:</b>			
<b>Before the end of the Seventh Semester, the candidate should:</b> Take and pass the TExES EC-12 PPR Test. Apply for Clinical Teaching			

**IMPORTANT NOTE: Candidate cannot enroll in Clinical Teaching until the Content Representative Form Test and the PPR Representative Form Test have both been passed with 80% accuracy.**

*Transition 4: By the end of the Eighth Semester, the candidate should  
Satisfy all requirements for Texas Teacher Certification  
Graduate from the Educator Preparation Program*



## DEPARTMENT OF HEALTH, KINESIOLOGY and SPORT STUDIES

The Department of Health, Kinesiology and Sport Studies offers courses in Athletic Training (ATR), Health (HED), Kinesiology (KIN), Physical Education (PE), Recreation & Leisure Studies (REC), Sport Management (SPMT), four undergraduate degrees, and two graduate degrees. The Bachelor of Science (B.S.) in Athletic Training, Bachelor of Science (B.S.) in Health Studies, Bachelor of Science (B.S.) in Kinesiology, and Bachelor of Science (B.S.) in Sport Management are offered on the undergraduate level; the Master of Science (M.S.) in Health and Kinesiology and Master of Science (M.S.) in Sport Studies & Sport Leadership are offered at the graduate level. The Department offers four minors (of which two are available through TSU Online), one in Health Studies, one in Kinesiology, one in Recreation and Leisure, and one in Sport Management, for students pursuing undergraduate degrees in other instructional units at the University. Students may also earn Texas Teacher Certification for the state of Texas either in Health Studies or Kinesiology through the Educator Preparation Program in the College of Education in conjunction with the two undergraduate degrees offered. Members of the Department and department facilities are located in the Health and Physical Education Building with the Department Office located in Room 103.

Students who are interested in detailed information regarding the Master of Science in Health and Kinesiology or Master of Science (M.S.) in Sport Studies & Sport Leadership should consult the Graduate School Bulletin of Texas Southern University.

The primary mission of the Department of Health, Kinesiology and Sport Studies is to prepare students for entry into the workforce and for graduate study. A secondary mission is to ensure that all students matriculating through the University have an understanding of the importance of wellness and health-related fitness upon society.

**All first time freshman must enroll in FS 102 within their first semester of attendance. Transfer students may substitute FS 102 with any college level course to complete the total credit hours required for graduation by their degree plan.**

In pursuing either the B.S. in Athletic Training, B.S. in Health Studies, the B.S. in Kinesiology or the B.S. in Sport Management, there are several concentrations of study, two concentrations for the B.S. in Athletic Training three concentrations for the B.S. in Health Studies, two concentrations for the B.S. in Kinesiology and five concentrations for the B.S. in Sport Management. Completion of the B.S. in Health Studies – EC-12 (Option I, Concentration I), the B.S. in Kinesiology – All Levels Teaching (Option II, Concentration I), and B.S. in Athletic Training All Levels Teaching (Option IV, Concentration I), require matriculating students to be admitted to the Educator Preparation Program in the College of Education. Completion of the B.S. in Health Studies – non-teaching (Option I, Concentration II), B.S. in Health Studies (CHES Certification) – non-teaching (Option I, Concentration III), the B.S. in Athletic Training – non-teaching (Option IV, Concentration II), the B.S. in Kinesiology/Recreation & Leisure Studies – non-teaching (Option II, Concentration IV), requires an internship. Both Athletic Training options, concentrations I and II also require a mandatory 1350 hour externship working under a certified/licensed athletic trainer. Completion of the B.S. in Sport Management/Business (Option III, Concentration I), B.S. in Sport Management/Health (Option III, Concentration II), B.S. in Sport Management/Kinesiology (Option III, Concentration III), B.S. in Sport Management/Journalism (Option III, Concentration IV), and B.S. in Sport Management/Radio, Television, Film (Option III, Concentration V) require an internship.

Requirements for the B.S. in Health Studies, B.S. in Kinesiology, B.S. in Sport Management and the four minors (Health Studies, Kinesiology, Recreation and Leisure, and Sport Management) are summarized. Interested students must first be admitted to the University, and must satisfy the TSI requirements. Students are admitted after review by a departmental committee; and, once admitted, they are assigned an official advisor who should be consulted on a semester or term basis and who will guide those students in need of being admitted to the Education Preparation Program in that process. The advisor will also advise students with regard to their status for graduation as they enter and complete the senior year. **After completion of PE 112, KIN 211, KIN 212, KIN 127, KIN 233, and KIN 235 during the sophomore year, Kinesiology majors will be administered a departmental diagnostic comprehensive examination in KIN 302. All requirements for the Educator Preparation Program must be met (consult previous section of this document under the College of Education), and students must have an overall GPA of 3.00 or better to enter the program.** Courses designated as major courses must be completed with grades of “B” or better, where grades of “C-” are unacceptable, and grade restrictions referenced for the Educator Preparation Program must also be adhered to. Prior to graduation, a comprehensive departmental exit examination is administered to seniors.

**For the minor in Health Studies, 21 semester credit hours are required** through enrollment in the following courses in the Department: **HED 234 (3 credits), HED 335 (3 credits), HED 340 (3 credits), HED 432 (3 credits), HED 433 (3 credits), HED 471 (3 credits), and HED 477 (3 credits).** Grades of “C” or better, where grades of “C-“are not acceptable, must be earned in all classes making up the 21 credits. For the online minor in Health Studies students should visit **TSU Online** for more information.

**For the minor in Kinesiology, 21 semester credit hours are required** through enrollment in the following courses in the Department: **KIN 127 (3 credits), KIN 211 (1 credit), KIN 212 (1 credit), KIN 235 (3 credits), KIN 302 (3 credits), KIN 324 (2 credits), KIN 327 (2 credits), KIN 336 (3 credits), and KIN 437 (3 credits).** Grades of “C” or better, where grades of “C- “are not acceptable, must be earned in all classes making up the 21 credits.

**For the minor in Recreation & Leisure Studies, 21 semester credit hours are required** through enrollment in the following courses in the Department: **REC 234 (3 credits), REC 332 (3 credit), REC 332 (3 credit), REC 335 (3 credits), REC 373 (3 credits), and REC 379 (3 credits)** as well as **REC 434 (3 credits) or REC 476 (3 credits).** Grades of “C” or better, where grades of “C-“are not acceptable, must be earned in all classes making up the 21 credits.

**For the minor in Sport Management, 21 semester credit hours are required** through enrollment in the following courses in the Department: **SPMT 134 (3 credits), SPMT 135 (3 credits), SPMT 273 (3 credits), SMPT 279 (3 credits), SPMT 332 (3 credits), and SPMT 333 (3 credits)** as well as **SPMT 434 or SPMT 476 (3 credits).** Grades of “C” or better, where grades of “C-“are not acceptable, must be earned in all classes making up the 21 credits. For the online minor in Sport Management students should visit **TSU Online** for more information.

Degree requirements are summarized below for the B.S. in Health Studies, B.S. in Kinesiology, and B.S. in Sport Management; however, students admitted to the Department who pursue these supporting degrees must seek advisement from their assigned faculty advisor because of the frequency with which certification requirements change as dictated by the State of Texas.

In summary, students who gain admission to the University must meet TSI responsibility, must petition the Department for admission; and must qualify for the Educator Preparation Program if their degree requirements lead to teacher certification. Requirements for the Educator Preparation Program should be reviewed by all interested students. **Additional information may be obtained from the Department Office at (713) 313-7087.**

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Asare, Nana</b>  <b>Assistant Professor</b>            B.S., Texas Southern University            M.S., Columbia University            M.B.A., Long Island University            J.D., Texas Southern University</p>	<p><b>Guinn, Dominique</b>  <b>Visiting Assistant Professor</b>            B.A., University of the Ozarks            Post Bac Certificate in Public Health –            University of Medical Sciences            M.S., Texas Southern University</p>
<p><b>Cavil, Jafus</b>  <b>Associate Professor</b>            B.S., Prairie View A &amp; M University            M.Ed., Prairie View A &amp; M University            M.S., Texas Southern University            M.B.A., Texas Southern University            Ed.D., Texas Southern University</p>	<p><b>Harper, DeLeon</b>  <b>Instructor</b>            B.S., M.S., Texas Southern University</p>
<p><b>Duncan, Clyde</b>  <b>Instructor</b>            B.S., M.S., Texas Southern University</p>	<p><b>Meshack, Angela</b>  <b>Associate Professor</b>            B.S., University of Houston            M.P.H., University of Texas School of Public Health            Dr.PH., University of Texas School of Public Health</p>
<p><b>Fisher, Dwalah</b>  <b>Associate Professor</b>            B.S., M.S., Ed.D., Texas Southern University</p>	<p><b>Owlia, Gholamali</b>  <b>Professor</b>            B.S., University of Iran Isfahan            M.S., Texas Southern University            Ph.D., Texas Woman's University</p>
<p><b>Flowers, Courtney</b>  <b>Assistant Professor</b>            B.S., Mississippi Valley State University            M.S., Grambling State University            Ph.D., University of New Mexico</p>	<p><b>Reynolds, Lacey</b>  <b>Associate Professor</b>            B.S., Mississippi Industrial College            M.S., Delta State University            Ed.D., Texas Southern University</p>
<p><b>Floyd, Gabrielle</b>  <b>Clinical Instructor</b>            B.S., M.S., Texas Southern University</p>	
<p><b>Fountain, Chasity</b>  <b>Clinical Instructor</b>            B.S., M.S., Texas Southern University</p>	

## ATHLETIC TRAINING (ATR)

- ATR 206**                      **Introduction to Athletic Training**                      **(3)**  
Provides the student interested in Athletic Training the first extensive exposure to the field. Focuses on the theoretical base of the field as well as introductory injury prevention and management concepts.
- ATR 210**                      **Athletic Taping & Bracing Techniques**                      **(1)**  
The art and science of applying athletic tape and braces in the prevention and treatment of athletic injuries. AT majors only.
- ATR 212**                      **Medical Terminology**                      **(1)**  
Programmed course of study building medical words from Greek and Latin prefixes, suffixes, word roots, and combining forms. Professional students are required to complete this course. One hour of lecture per week.
- ATR 222**                      **Emergency Medical Techniques in Athl. Training**                      **(4)**  
An introduction to the daily management of the athletic training clinical environment. AT majors only.
- ATR 223**                      **Clinical Experiences in Athletic Training I**                      **(2)**  
An introduction to the daily management of the athletic training clinical environment. Spring. AT majors only.
- ATR 322**                      **Clinical Experiences in Athletic Training II**                      **(2)**  
The continued in-depth study of both the theoretical and practical clinical aspects of athletic training. AT majors only
- ATR 323**                      **Clinical Experiences in Athletic Training III**                      **(2)**  
The continued in-depth study of both the theoretical and practical clinical aspects of athletic training. Spring. AT majors only
- ATR 340**                      **Organization & Administration of Athletic Training**                      **(3)**  
Administration and management strategies in athletic training. Human resource management, financial management, facility design and planning, client management, ethics and legal liability issues. ATR 206.
- ATR 341**                      **Psychology of Physical Activity**                      **(3)**  
Concepts related to psychology and physical activity. Theory-to-practice approach on how social psychological variables influence motor behavior and how physical activity affects the psychological makeup of the individual. Prerequisite: PSY 131.
- ATR 408**                      **Therapeutic Modalities in Sports Medicine**                      **(4)**  
The study of both the theoretical and practical usage of various therapeutic modalities. Designed for individuals who routinely treat sports related injuries. 3 hours lab. Spring. Prerequisite: ATR 318 AT Majors only
- ATR 413**                      **Rehabilitation Techniques in Sports Medicine**                      **(4)**  
Various aspects of the rehabilitation process for the physically active or athletic population. Goals, techniques, evaluation methods and specific rehabilitation programs covered. 3 hrs lecture 1 hrs lab. Prerequisite: ATR 318 or 319. AT Majors only.
- ATR 422**                      **Clinical Experiences in Athletic Training IV**                      **(2)**  
Summary of CAATE competencies and Role Delineation Study required to prepare for BOC exam. Emphasis is placed on clinical proficiencies/decision making skills. Prerequisites: ATR 322 and ATR 323. AT Majors only.
- ATR 423**                      **Clinical Experiences in Athletic Training V**                      **(2)**  
Summary of CAATE competencies and Role Delineation Study required to prepare for BOC exam. Emphasis is placed on clinical proficiencies/decision-making skills. Spring. Prerequisites: ATR 322 and ATR 323. AT Majors only.

- ATR 450**                      **Evidence-Based Practice in Athletic Training**                      (3)  
 Scientific experimentation vs. anecdotal case description in athletic training. Student learns to systematically find, appraise and use the most current and valid research findings as the basis for clinical decisions. Prerequisites: Senior and permission of instructor.
- ATR 480**                      **Capstone I in Athletic Training**                      (3)  
 Finalization of the theoretical and clinical application of upper body injury assessment and rehabilitation techniques used by athletic trainers, preparation for BOC exam. AT majors only. Prerequisites: Senior and permission of instructor.
- ATR 485**                      **Capstone II**                      (3)  
 Finalization of the theoretical and clinical application of lower body injury assessment and therapeutic modalities used by athletic trainers, athletic nutrition, pharmacology and preparation for BOC exam. AT majors only. Prerequisites: Senior and permission of instructor.

**HEALTH COURSES (HED)**

- HED 223**                      **Basic CPR**                      (2)  
 Basic concepts in cardiopulmonary resuscitation, certification in basic cardiac life support. One hour of lecture and two hours of laboratory per week.
- HED 230**                      **Introduction of Health**                      (3)  
 Discussion of the components of health and how health status is maintained throughout the lifespan, including the role of health care professionals. Three hours of lecture per week.
- HED 231**                      **Introduction to Behavioral Health Theory**                      (3)  
 Review of variables involved in creating behavior change. Three hours of lecture per week.
- HED 233**                      **History and Principles of Health**                      (2)  
 Discussion of the historical and philosophical development of health. Consideration given to those illnesses and health hazards of major significance and concern in contemporary society. Two hours of lecture per week. **Listed as PHED 1206 in the Texas Common Course Numbering System.**
- HED 234**                      **History and Biological Function**                      (3)  
 Organizational components of the human body; types of diseases; biological defense mechanisms, healing processes; and human biological growth and development. Three hours of lecture per week.
- HED 235**                      **Health and the Human Body**                      (3)  
 Structure and function of human body systems and the impact of disease on each system. Three hours of lecture per week.
- HED 236**                      **Socioeconomic and Culture Influences on Health**                      (3)  
 Examination of the relationship between socioeconomic status and culture on health including outcomes, utilization, and delivery. Three hours of lecture per week.
- HED 329**                      **Health Promotion Theory and Practice**                      (3)  
 Overview of health behavior theories and their application to health education, disease prevention, and health promotion. Three hours of lecture per week.

- HED 333**                                **Emergency and Care of Injuries**                                (3)  
Reinforcement of first aid and emergency care principles and concepts in challenging and motivational presentations. Three hours of lecture per week.
- HED 334**                                **Contemporary Health Problems**                                (3)  
In depth student of contemporary community health problems encountered in an area of diverse ethnicity and mobility. Three hours of lecture per week.
- HED 335**                                **Problems in Community Health**                                (3)  
In-depth study of contemporary community health problems encountered in an area of diverse ethnicity and mobility. Emphasis on the biological, psychological, and socioeconomic factors that impact disease and levels of wellness. Three hours of lecture per week.
- HED 336**                                **Organization and Administration of Health Programs**                                (3)  
Analysis of the organizational structure, administrative policies, and management styles of official and non-official agencies at the local, state, and national levels. Three hours of lecture per week.
- HED 338**                                **Sexually Transmitted Diseases**                                (3)  
Overview of the causes, treatment, and prevention of sexually transmitted diseases, including socioeconomic variables. Three hours of lecture per week. **Offered as needed.**
- HED 339**                                **Diseases and Consumer Health**                                (3)  
Factual, scientifically-based information about diseases, medical goods, and services with an analysis of issues and strategies undertaken by consumers and providers to bring about changes in health systems and society. Three hours of lecture per week.
- HED 340**                                **Environmental and Public Health**                                (3)  
Identification of environmental health hazards associated with the home and workplace along with consideration of human environment interactions in modern society. Three hours of lecture per week.
- HED 341**                                **Epidemiology**                                (3)  
Study of the distribution and determinants of health using basic epidemiological concepts and statistical methods. Three hours of lecture per week.
- HED 399**                                **Health Seminar** (2)  
Discussion of topics of current relevance with the main focus on local health problems. Presentation of outstanding speakers in the areas of school and community health. Two hours of lecture per week. **Majors only.** Prerequisite: Junior standing.
- HED 432**                                **Fitness for Living**                                (3)  
Considers the influence of exercise, rest, fitness, and lifelong activity in prevention of behavior-related problems and benefits of health and wellness promotion activities. Three hours of lecture per week (Prerequisite: Junior standing)
- HED 433**                                **Personal Health and Safety I**                                (3)  
Identification of current problems relating to family relations, marriage styles, the changing family, social hygiene, chemical use and abuse and the effects on the individual and society. Three hours of lecture per week. (Prerequisite: Junior standing)

- HED 434**                      **Mental Health (3)**  
 Examination of basic problems of mental health with consideration given to problems of childhood, adolescence, and adulthood. Three hours of lecture per week. (Prerequisite: Junior standing)
- HED 435**                      **International Health Issues (3)**  
 Discussion of health issues in other countries, as compared to the United States, with implications considered for global impact. Three hours of lecture per week. **Offered as needed.**
- HED 436**                      **Hygiene of the School Child (3)**  
 In-depth study of the combination of factors affecting the health of children and adolescents and the impact of lifestyles on human growth and development. Three hours of lecture per week. (Prerequisite: Junior standing)
- HED 437**                      **Measurement and Evaluation in Health (3)**  
 Qualitative and quantitative methods used in the design and evaluation of health instruments and programs. Three hours of lecture per week. (Prerequisite: Junior standing)
- HED 438**                      **Hygiene of Children and Adolescents (3)**  
 Study of health problems prevalent in childhood and adolescence and preventive measures to reduce their incidence and severity. Three hours of lecture per week. (Prerequisite: Junior standing)
- HED 439**                      **Health Research Analysis (3)**  
 Study of health research to determine scientific accuracy and to prepare for writing of peer-reviewed manuscripts. Three hours of lecture per week. (Prerequisite: Junior standing)
- HED 471**                      **Drugs and Health (3)**  
 Health problems associated with alcohol, tobacco, and narcotics use and the impact of such behavior on society, the economy, and health with implications of health promotion. Three hours of lecture per week. (Prerequisite: Junior standing)
- HED 472**                      **Foundations of Safety (3)**  
 Study of the basic assumptions that aid in understanding situations related to safety in the world in which we live. Emphasis on human interactions and mutual impact. Three hours of lecture per week. (Prerequisite: Junior standing)
- HED 477**                      **Human Sexuality (3)**  
 Examination of the biological, psychological, and cultural dimensions of sexuality, exploration of controversial issues surrounding human sexuality as they impact human well-being and quality of life. Three hours of lecture per week. (Prerequisite: Junior standing)
- HED 480**                      **Health Program Planning and Evaluation (3)**  
 Study of the development, implementation, and evaluation of health programs.
- HED 499**                      **Supervised Individual Work in Community Health (6)**  
 Directed internship with local health agencies or programs to improve professional competency and to relate theory to practice.  
 Prerequisite: **MAJORS ONLY** Senior standing.

## PHYSICAL EDUCATION COURSES (PE)

The following Human Performance courses, with the exception of PE 111 and PE 112, may be used to satisfy “Other Requirements” in the various undergraduate degree plans referenced in other departments of the University :

- PE 100**                    **Water Aerobics (1)**  
Aerobic activities conducted in water. Two hours of laboratory per week.
- PE 101**                    **Bowling(1)**  
Study and practice of the basic techniques, scoring, and history of bowling. Two hours of laboratory per week.
- PE 102**                    **Physical Fitness (1)**  
Study and practice of physical fitness activities and the effects of exercise on systems of the human body. Two hours of laboratory per week. **Listed as PHED 1164 in the Texas Common Course Numbering System.**
- PE 103**                    **Racquetball (1)**  
Basic activity course in racquetball. Two hours of laboratory per week.
- PE 104**                    **Intermediate Racquetball (1)**  
Advanced techniques and skills for racquetball. Two hours of laboratory per week. Prerequisite: PE 103. **Offered as needed.**
- PE 106**                    **Intermediate Bowling (1)**  
Advanced techniques and skills for bowling. Two hours of laboratory per week. Prerequisite: PE 101. **Offered as needed.**
- PE 107**                    **Walking, Jogging, and Fitness Appraisal (1)**  
Fitness techniques for walking and jogging as a life long activity. Two hours of laboratory per week.
- PE 108**                    **Modern Dance I (1)**  
Fundamentals of modern dance providing an opportunity for students to develop techniques, aesthetic appreciation, and creativity. Two hours of laboratory per week. **Listed as DANC 1145 in the Texas Common Course Numbering System.**
- PE 109**                    **Modern Dance II (1)**  
Continuation of PE 108. Two hours of laboratory per week. **Listed as DANC 1146 in the Texas Common Course Numbering System.**
- PE 110**                    **Folk and Square Dance (1)**  
Dance instruction providing experiences in international folk dances, square dances, and folklore. Two hours of laboratory per week.



- PE 111**                    **Team Sports I (1)**  
Theory, rules, and practice of soccer, flag/touch football, and volleyball. Three hours of laboratory per week. **Restricted to majors.**
- PE 112**                    **Team Sports II (1)**  
Theory, rules, and practice of basketball, field hockey, and softball. Three hours of laboratory per week. **Restricted to majors.**
- PE 113**                    **Speedball and Soccer (1)**  
Advanced techniques and skills for speedball and soccer. Two hours of laboratory per week.
- PE 115**                    **Volleyball and Basketball (1)**  
Theory and practice in basketball and volleyball fundamentals. Two hours of laboratory per week.
- PE 116**                    **Touch Football and Concentration (1)**  
Theory and practice in touch/flag football and concentration fundamentals. Two hours of laboratory per week.
- PE 117**                    **Swimming (1)**  
Instruction in basic swimming strokes. Two hours of laboratory per week.
- PE 118**                    **Golf (1)**  
Fundamentals and techniques of golf. Two hours of laboratory per week.
- PE 119**                    **Tennis and Badminton (1)**  
Fundamentals and techniques of tennis and badminton. Two hours of laboratory per week.
- PE 120**                    **Adapted Activities I (1)**  
Adapted activities for students unable to participate in regular human performance classes. Two hours of laboratory per week. **Physician's statement required.**
- PE 121**                    **Adapted Activities II (1)**  
Continuation of PE 120. Two hours of laboratory per week. Prerequisite: PE 120. **Physician's statement required.**
- PE 122**                    **Aerobic Activities (1)**  
Instruction and practice in basic aerobic activities. Two hours of laboratory per week.
- PE 125**                    **Weight Training(1)**  
Introductory course in the correct use of weights in body development. Two hours of laboratory per week.

**PE 128**

**Tae Kwon-Do I (2)**

Fundamental offensive and defensive techniques used in Tae Kwon-Do. Student abilities assessed in relation to the technical and physical requirements of the martial arts. Meditation and mental discipline introduced. Two hours of laboratory per week.

**The following courses do not satisfy “Other Requirements” for the various undergraduate degrees in other departments, but are intended for Kinesiology majors and minors.**

**PE 123**

**Football and Basketball (2)**

Lectures, demonstrations, and practice in advanced skills of football and basketball. Two hours of lecture per week. **Offered as needed.**

**PE 124**

**Baseball and Concentration (2)**

Lectures, demonstrations, and practice in advanced skills of baseball and concentration. Two hours of lecture per week. **Offered as needed.**

## Kinesiology Courses (KIN)

- KIN 127 Foundations I (3)**  
Basic foundations in human performance, including historical development, philosophical implication, and issues related to movement. Three hours of lecture per week. **Listed as PHED 1301 in the Texas Common Course Numbering System.**
- KIN 211 Individual/Dual Sports and Activities I (1)**  
Theory, rules, and practice of archery, bowling, dance, weight training, and gymnastics/tumbling.  
**MAJORS ONLY**
- KIN 212 Individual/Dual Sports and Activities II (1)**  
Theory, rules, and practice of concentration and field, swimming, badminton, wrestling, tennis, golf, and cycling. Three hours of laboratory per week.  
**MAJORS ONLY**
- KIN 233 Foundations II (3)**  
Continued study of the principles of human performance, including an overview of the status and scope of modern performance programs, activities for children of various ages, and assessment of skills. Three hours of lecture per week. **Prerequisite: PE 127.**
- KIN 235 Introduction to Adapted Physical Education (3)**  
Study of the general organization of programs and exercises for the handicapped. Recreational sports, aquatic skills, and planning procedures included. Three hours of lecture per week.
- KIN 300 Athletic Training Practicum/Seminar I (3)**  
Theories and techniques of athletic training and their applications to practical and on-field situations. Students also explore current issues that impact professional practices. Two hours of lecture/laboratory per week. **Athletic Training majors only**
- KIN 301 Athletic Training Practicum II (3)**  
Advanced theories and techniques of athletic training and their applications to practical and on-field situations. Students also explore current issues that impact professional practices. Two hours of lecture/laboratory per week. **Athletic Training Majors only Prerequisite: PE 300.**
- KIN 302 Physical Fitness Programs for Elementary and Secondary Schools (3)**  
Study and practice of fitness activities and the effects of exercise upon systems of the body. Two hours of lecture and one hour of laboratory per week.
- KIN 324 Advanced Swimming (2)**  
Completion of requirements for the Red Cross Water Safety Instructor's Certificate. Two hours of laboratory per week. Prerequisite: Current Red Cross Senior Life Saving Certificate.
- KIN 327 Advanced Gymnastics (2)**  
Theory and practice in performing pyramid building, stunts, and apparatus activities. Two hours of lecture per week.
- KIN 329 Theory and Practice of Coaching and Officiating (2)**  
Theory, practice, rules, mechanics, and strategies of coaching and officiating various sports activities. Two hours of laboratory per week.

- KIN 331 Performance Practicum (3)**  
Techniques and theories of sports activities and their applications to practical situations. Three hours of lecture per week.
- KIN 332 Coaching and Officiating Sports Activities for Secondary Schools (3)**  
Study of coaching strategies, techniques, and theories of selected sports activities in secondary schools. Three hours of lecture per week.
- KIN 333 Coaching and Officiating of Football and Basketball (3)**  
Study of theory, strategy, and mechanics of coaching football and basketball. Emphasis placed on designing coaching strategies. Three hours of lecture per week.
- KIN 334 Coaching and Officiating of Baseball and Concentration (3)**  
Study of theory, strategy, and mechanics of coaching baseball and concentration. Emphasis placed on designing coaching strategies. Three hours of lecture per week.
- KIN 335 Administration of Intramural Sports (3)**  
Techniques for organizing, directing, and supervising intramural programs of sports activities. Three hours of lecture per week.
- KIN 336 Organization and Administration of Physical Education (3)**  
Emphasis on the organization and administration of physical education programs in elementary and secondary schools. Three hours of lecture per week.
- KIN 337 Movement Skill Development at the Elementary Level - The PE Program in the Elementary School (3)**  
Principles of and activities for movement education and sports related skills at the elementary school level. Three hours of lecture per week.
- KIN 338 Principles and Techniques for Outdoor and Leisure Activities (3)**  
Discussion of techniques and skills required for outdoor and leisure sports. Three hours of lecture per week.
- KIN 339 Advanced Techniques, Skills, and Rules for Sports Activities - Fundamentals of Movement (3)**  
Techniques, skills, and rules of sports activities. Three hours of lecture per week.
- KIN 370 Athletic Training I (3)**  
Demonstration and management study of athletic injuries. Two hours of lecture and one hour of laboratory per week. **Athletic Training Majors Only**
- KIN 371 Athletic Training II (3)**  
Fundamental principles and methods for preliminary diagnosis of athletic injuries, including choice of initial treatment and rehabilitation procedures. Two hours of lecture and one hour of laboratory per week. **Prerequisite: PE 370. Athletic Training Majors Only**
- KIN 372 Therapeutic Exercise Modalities (3)**  
Study of the use, selection, and application of therapeutic modalities in the rehabilitation of athletic injuries. Three hours of lecture per week.

- KIN 374**            **Sociology of Sports**            (3)  
Sports and their impact on American society; social organization from play to professional sports; violence; discrimination; women in sports; socialization and implications from participation in sports. Three hours of lecture per week.
- KIN 378**            **Individual Development and Motor Learning**            (3)  
Study of the nature of learning factors that affect motor learning and individual development at various skill levels. Two hours of lecture and one hour of laboratory per week.
- KIN 379**            **Facilities and Equipment Management**            (3)  
Discussion of skills and logistics necessary for management of sports facilities and related equipment. Three hours of lecture per week.  
**Offered as needed.**
- KIN 399**            **Physical Education Seminar**            (2)  
Issues and application of organizational and administrative principles of physical education. Two hours of lecture per week. **Majors only.**  
**Prerequisite: Junior standing.**
- KIN 432**            **Rhythms and Games for Elementary School Teachers**            (3)  
Planning and execution of acceptable programs of physical education through the use of rhythmic and sports activities for the elementary grade level. Three hours of lecture per week.
- KIN 433**            **Current Problems in Physical Education**            (3)  
Study of selected problems and trends in physical education. Three hours of lecture per week. (Prerequisite: Junior standing)
- KIN 434**            **Administration of Athletics**            (3)  
Implementation and evaluation of athletic programs in secondary schools. Three hours of lecture per week. **Offered as needed.**
- KIN 435**            **Tests and Measurements** (3)  
Theory of measurements in physical education and recreation; selection of appropriate tests; and interpretation of test results through statistical procedures. Three hours of lecture per week. (Prerequisite: Junior standing)
- KIN 437**            **Kinesiology**            (3)  
Scientific study of the skeletal muscles and human movement. Two hours of lecture and one hour of laboratory per week. **Prerequisite: BIOL 245.** (Prerequisite: Junior standing)
- KIN 438**            **Physiology of Exercise**            (3)  
Study of the effects of exercise upon the systems and organs of the body. Skill, endurance, fatigue, training, and other factors considered as they affect performance. Two hours of lecture and one hour of laboratory per week. **Prerequisite: BIOL 245.** (Prerequisite: Junior standing)
- KIN 439**            **Independent Study**            (3)  
Research and/or field work on selected projects or topics. Prerequisite: Consent of Advisor or Faculty Chair.
- KIN 499**            **Supervised Individual Work/Research in Kinesiology**            (6)  
Directed internship with local sports medicine facilities or programs that include close supervision and seminars. Emphasis on improving professional competency in students and assisting to relate theory to practice. One hour of lecture and five hours of laboratory per week.  
Prerequisite: **Senior standing. Human Performance and Athletic Training majors only**

## RECREATION & LEISURE STUDIES COURSES (RECL)

- RECL 234 Foundations of Recreation, Parks and Leisure Services (3)**  
This course is an introduction to the recreation, parks and leisure profession including the history of recreation, parks and leisure services. Orientation to the variety of services including their settings, services and organization; relationship to public, private or governmental agencies. An overview of career opportunities in the field. Trends in services to various populations.
- RECL 332 Aquatic Facility Management and Waterfront Facility Operations (3)**  
This course is a capstone course intended to provide a bridge from theory to professional practice. Integrates students' learning experiences from their core classes into their professional goals. Students explore their approaches to lifelong learning and make connections as to how a liberal arts background can facilitate currency and relevancy in professional practice and life. Determining a career direction, assuming professional roles and performing actual job responsibilities in a global and diverse world are emphasized. As students prepare for entry into the leisure, sport or wellness profession they are exposed to and practice steps in making decisions with a focus on promoting sound and ethical judgment to create a common good.
- RECL 333 Leisure Studies: Human Diversity and the Environment (3)**  
This course provides a comprehensive overview of the role of leisure in contemporary society. Sociological, economic, psychological and environmental implications of leisure are explored with diverse groups. Societal and lifestyle changes are discussed with a multicultural focus and in relation to their impact on the future of leisure. Personal leisure lifestyles are reviewed and discussed.
- RECL 335 Programming and Promotions in Recreation, Parks and Leisure Services (3)**  
This course analyzes the fundamentals of program planning using techniques of identifying and analyzing program activity areas; content includes program development and application with a variety of population groups and representative leisure service agencies.
- RECL 373 History and Philosophy of Recreation and Leisure Studies (3)**  
This course reviews the historical and theoretical foundations, nature, and significance of recreation and leisure in contemporary society; current trends and prospects for the future. Survey of agencies, organizations, and programs in the leisure service field and the recreation profession.
- RECL 379 Facility Planning and Maintaining Recreation, Park, Leisure Areas and Sport Facilities (3)**  
This course examines the contemporary issues and related administrative practices associated with managing human resources in leisure services. Includes: basic elements, procedures and processes involved in planning, designing, developing and maintaining recreation, park, leisure and sport facilities and areas. Students assess and evaluate existing facilities and areas in terms of functionality, access standards and maintenance operations.

- RECL 399 Professional Development and Capstone Experience in Recreation and Leisure, Sport and Wellness Related Professions (2)**  
 This course analyzes the fundamentals of program planning using techniques of identifying and analyzing program activity areas; content includes program development and application with a variety of population groups and representative leisure service agencies. **Majors only. Prerequisite: Junior standing.**
- RECL 434 Management in Recreation, Sport and Leisure Services (3)**  
 This course is an introduction to basic concepts of organization, administration, and supervision of leisure service agencies. Application to recreation, parks, sports and leisure agencies is stressed. The administrative functions covered include personnel management, budgets, finance, resource planning, public relations, evaluation, legal issues, policy development, and problem-solving techniques. Essential elements of management systems are reviewed. Emphasizes human resource management and the employment process, personnel policies and procedures, legal issues, supervision, performance appraisal, and technological tools.
- RECL 476 Therapeutic Recreation, Therapeutic Activity Intervention and Aging(3)**  
 This course delivers an in-depth study of support and delivery systems, and desirable practices of therapeutic recreational and of concepts associated with the practice of therapeutic recreation, including history, philosophy, professional development and medical terminology, as well as characteristics of illness, disease and disability. Overview of the process of therapeutic recreation, including assessing, planning, implementing and evaluating. Emphasis is on age-related illness, disease, disability and therapeutic activity intervention.
- RECL 499 Supervised Internship in Recreation, Parks and Leisure Services (6)**  
 Directed internship with local sports medicine facilities or programs that include close supervision and seminars. Emphasis on improving professional competency in students and assisting to relate theory to practice. One hour of lecture and five hours of laboratory per week. **Prerequisite: Senior standing. Recreation majors only**

## SPORT MANAGEMENT COURSES (SPMT)

- SPMT 134**                    **Sport & Entertainment Management**                    (3)  
This course is an analysis of effective management strategies and the body of knowledge associated with pursuing a career in sport management. The course will introduce students to the American and World sport and entertainment enterprise; background, influences and trends; intercollegiate, collegiate and professional sport organizations; ownership and unionization; media portrayals. Emphasis will be placed on an introduction to the sport and entertainment management industry career fields.
- SPMT 135**                    **Sport Marketing & Promotions**                    (3)  
This course will include the application of marketing principles and concepts in the sports industry. It includes sponsorships, branding, promotions, public relations, licensing, and sports consumer research and behavior. Emphasis will include the foundations of consumer behavior and sport marketing planning. The course includes reviewing the design and implementation of marketing plans for the integration of product, pricing, promotion, distribution, sales, sponsorship, and advertising of sport goods and services.
- SPMT 273**                    **Managerial Communication & Media Relations in Sport**    (3)  
This course is designed to explore the different types of communication in sport programs and how they are organized and administered at the school, community and professional levels. It will also explore the communication process in management of intramural, recreation, sport and health club programs. The course focuses on the skills, techniques, practices and issues related to the field of public relations, as well as the methods of critical analysis regarding public relations campaigns and the media production of an event (conference, game or tournament).  
**Prerequisite: ENG 131 AND ENG 132.**
- SPMT 279**                    **SPMT 279 Sport Program Events & Facility Management**                    (3)  
This course provides students with an understanding of the intricacy and complexity involved in sport program event and facility management. Sport facility management includes a variety of activities such as planning and designing a sports facility, staff management, facility marketing, developing revenue streams, and facility scheduling and operating. Sport program event management consists of identifying goals of the event and coordinating people in the organizations involved to achieve those goals with the resources available.
- SPMT 332**                    **Sports, Ethics and the Law**                    (3)  
This course will explore the ethics and legal principles and rules of law affecting the administration of sports and recreation programs. Emphasis will be placed in the areas of negligence, product liability, nuisance, contracts, leisure, personnel practices, and risk management. Students are given opportunities to identify, examine, and present decisions on ethics issues related to sport and sport management. Theories of ethics, concepts of morality, codes of conduct, as well as personal philosophies in regard to social responsibility are some of the topics included in this course. **Prerequisite: SPMT 134 AND SPMT 273.**



- SPMT 333**                      **Problems in Urban Recreation & Sports**                      (3)  
 This course provides an in-depth analysis of the causes and consequences of contemporary problems in urban sport with a focus on minorities. Students will utilize the case-study approach to examine the social, political, and economic factors influencing the structure and experience of sport in American cities. Emphasis will be placed on formulating solutions and potential strategies to address identified problems. This course focuses on sports as social and cultural phenomena. Students will learn to use sociological concepts and critical thinking to discover how sports affect multiple spheres of our social life, particular in the African American and other minority communities. **Prerequisite: SPMT 134 AND SPMT 273.**
- SPMT 399**                      **Sport Management Seminar**                      (2)  
 This course will explore the issues and applications of organizational and administrative principles of sport management. This is a capstone course that provides an opportunity for students to demonstrate that they have achieved the goals for learning established by this educational institution and department. Includes the opportunity to integrate and apply learning from the sport management program in a comprehensive manner. Two hour of lecture per week. **Majors only.**  
**Prerequisite: Junior standing.**
- SPMT 434**                      **Administration of Athletics in Organizations**                      (3)  
 This course examines a philosophic rationale and a variety of methods that may be used to assess athletic programs and personnel. The course takes a unique view on the management of urban intercollegiate schools and HBCUs. The goals of this program are to improve the performance of athletic coaches and other athletic department personnel, improvement of program operations and improvement of satisfaction among players, parents and employees. **Prerequisite: SPMT 273 AND SPMT 332.**
- SPMT 476**                      **History of Sport Governance, African Diaspora & (HBCU) Black Colleges in Sports**  
 (3)  
 This course takes a look at sports sociology in a global, issues-oriented approach to study the role of sport in society and the African American cultural of sports. It encourages the discussion of current sports-related issues and controversies as well as helps students develop critical thinking skills. It reviews the history of the African Diaspora in Sports and Black College Sports, specifically the history of the SWAC and the role (HBCUs) Black College Sports play in Texas. **Prerequisite: SPMT 333.**
- SPMT 499**                      **Sport Management Practicum**                      (3/6)  
 Sport Management major students must complete one practicum and one internship (field experience) or two practicum internships (field experience). These work experiences are designed to involve students in a professional environment outside the classroom. Field experiences are carefully selected by the students and approved by their academic advisor. **Prerequisite: Junior/Senior standing. Sport Management majors only.**

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE IN HEALTH STUDIES  
OPTION I (CONCENTRATION II)  
NON-TEACHING TOTAL CREDITS  
REQUIRED:120**

CORE CURRICULUM (STANDARD)*		MAJOR (HEALTH STUDIES)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		66 credits	12 credits	0 credits
<b>Communication:</b>		HED 233 (2)	Outside Interest (12)	
ENG 131 (3) **	ENGL 1301	HED 223 (2)	-Advisor approval	
ENG 132 (3)	ENGL 1302	HED 234 or HED 235 (3)		
<b>Mathematics:</b>		HED 333 or HED 334 (3)		
MATH 133 (3)	MATH 1314	HED 335 (3)		
<b>Life and physical sciences:</b>		HED 336 (3)		
BIOL 143 (3)	BIOL 1308	HED 339 (3)		
BIOL 135 (3)	BIOL 2401	HED 340 or HED 341 (3)		
<b>Language, philosophy, and culture:</b>		HED 399 (2)		
ENG 2xx (3) ***		HED 432 (3)		
<b>Creative arts:</b>		HED 433 (3)		
MUSI 239 (3) ****	HUMA 1310	HED 434 or HED 480 (3)		
<b>American history:</b>		HED 436 or HED 438 (3)		
HIST 231 (3)	HIST 1301	HED 471 (3)		
HIST 232 (3)	HIST 1302	HED 472 (3)		
<b>Government/political science:</b>		HED 477 (3)		
POLS 235 (3)	GOVT 2305	HED 499 (6)		
POLS 236 (3)	GOVT 2306	KIN 437 or KIN 438 (3)		
<b>Social and behavioral sciences:</b>		COGNATE COURSES:		
PSY 131 (3)	PSY 2301	FS 102 (1)		
<b>Institutional Options:</b>		PE 1XX (1)		
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315	PE 1XX (1)		
EDCI 210 (3) or CS 116 (3)	COSC 1301	GEOL 141 (3)		
		Approved Elective (6)*****		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* Any one of the following: MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)

\*\*\*\*\* Approved Elective-advisor approval

**BACHELOR OF  
SCIENCE IN HEALTH  
STUDIES  
OPTION I (CONCENTRATION II) NON-TEACHING  
TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	MUSI 239 or any approved Gen Ed Creative Arts Course	3	ENG 132 Freshmen English II	3
	FS 102 Freshman Seminar	1	HIST 231 Social & Political History of the United States to 1877	3
	BIOL 143 Survey of Life Science	3	MATH 133 College Algebra	3
	ENG 131 Freshman English I	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	GEOL 141 Intro to the Earth	3	PSY 131 General Psychology	3
	HED 233 History & Principles of Health	2		
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2xx	3	EDCI 210 or CS 116 Instructional Technology I or Computer Science I	3
	HED 234 History & Biological Function	3	POLS 236 Texas Government	3
	HIST 232 Social & Political History of the United States since 1877	3	HED 223 Basic CPR	2
	BIOL 135 Human Anatomy and Physiology I	3	PE 1xx	1
	PE 1xx	1	HED 333 or HED 334 Emergency & Care of Injuries or Contemporary Health Problems	3
	POLS 235 Federal Government	3	HED 336 Org & Admin of Health Programs	3
	<b>16 Hrs</b>		<b>15 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HED 335 Problems in Community Health	3	HED 434 or HED 480 Mental Hygiene or Health Program Planning and Evaluation	3
	HED 340 or HED 341 Environmental Health or Epidemiology	3	HED 339 Diseases and Consumer Health	3
	HED 399 Health Seminar	2	HED 432 Fitness for Living	3
	HED 436 or HED 438 Hygiene of the School Child or Hygiene of Children and Adolescents	3	HED 471 Personal Health and Safety II	3
	Approved Elective	3	HED 472 Foundations of Safety	3
	Approved Elective	3		
	<b>17 Hrs</b>		<b>15 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	KIN 437 or KIN 438 Kinesiology or Physiology of Exercise	3	HED 499 Supervised Individual Work, Research in Community Health	6
	HED 433 Personal Health and Safety I	3	Outside Interest	3
	HED 477 Human Sexuality	3	Outside Interest	3
	Outside Interest	3		
	Outside Interest	3		
	<b>15 Hrs</b>		<b>12 Hrs</b>	

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE IN  
HEALTH STUDIES (CHES CERTIFICATION)  
OPTION I (CONCENTRATION III) NON-  
TEACHING TOTAL CREDITS REQUIRED:120**

CORE CURRICULUM (STANDARD)*		MAJOR (HEALTH STUDIES )	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		78 credits	0 credits	0 credits
<b>Communication:</b>		HED 230 (3)		
ENG 131 (3) **	ENGL 1301	HED 223 (2)		
ENG 132 (3)	ENGL 1302	HED 231 (3)		
<b>Mathematics:</b>		HED 235 (3)		
MATH 133 (3)	MATH 1314	HED 236 (3)		
<b>Life and physical sciences:</b>		HED 329 (3)		
BIOL 143 (3)	BIOL 1308	HED 333 (3)		
BIOL 135 (3)	BIOL 2401	HED 334 (3)		
<b>Language, philosophy, and culture:</b>		HED 336 (3)		
ENG 2xx (3) ***		HED 339 (3)		
<b>Creative arts:</b>		HED 341 (3)		
MUSI 239 (3) ****	HUMA 1310	HED 399 (2)		
<b>American history:</b>		HED 432 (3)		
HIST 231 (3)	HIST 1301	HED 433 (3)		
HIST 232 (3)	HIST 1302	HED 434 (3)		
<b>Government/political science:</b>		HED 437 (3)		
POLS 235 (3)	GOVT 2305	HED 438 (3)		
POLS 236 (3)	GOVT 2306	HED 439 (3)		
<b>Social and behavioral sciences:</b>		HED 471 (3)		
PSY 131 (3)	PSY 2301	HED 472 (3)		
<b>Institutional Options:</b>		HED 477 (3)		
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315	HED 480 (3)		
EDCI 210 (3) or CS 116 (3)	COSC 1301	HED 499 (6)		
		KIN 437 or KIN 438 (3)		
		COGNATE COURSES:		
		PE 1XX (1)		
		FS 102 (1)		
		GEOL 141 (3)*****		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* Any one of the following: MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)

\*\*\*\*\*May also satisfy GEOL141-GEOL1412 by taking PHYS 101

**Curriculum in Health Studies (CHES)**

**Non-Teaching Degree Plan (Option I, Concentration III)**

Freshman Year									
TCCNS	TSU	Hours	Grade	Semester	TCCNS	TSU	Hours	Grade	Semester
HUMA 1301	MUSI 239*	3			ENGL 1302	ENG 132	3		
	FS 102	1			HIST 1301	HIST 231	3		
ENGL 1301	ENG 131	3			SPCH 1321 or 1315	SC 135/136	3		
GEOL 1303	GEOL 141***	3			MATH 1314	MATH 133	3		
BIOL 1308	BIOL 143	3				HED 231	3		
	HED 230	3							
16					15				

Sophomore Year									
TCCNS	TSU	Hours	Grade	Semester	TCCNS	TSU	Hours	Grade	Semester
	ENG 2XX	3				EDCI 210 or CS 116	3		
PSYC 2301**	PSY 131	3			GOVT 2306	POLS 236	3		
HIST 1302	HIST 232	3			PHED 1306	HED 223	2		
GOVT 2305	POLS 235	3			BIOL 2401	BIOL 135	3		
	PE 1XX	1				HED 236	3		
	HED 235	3							
16					14				

Must consult with Internship advisor in regard to HED 499 (Health Supervised Internship) prior to beginning of Senior Year

Must have Grade Point Average (GPA) of 2.5 or above – Must have earned 90 hours minimum above before HED 499

Must complete all courses with “C” or Better

\*Any one (1) of these: HUMA 1301 – MUSI 239, DRAM 1310 – THC 130, ARTS 1316 – ART 131

\*\*Any one (1) of these: PYSC 2301 – PSY 131, SOC 1301 – SOC 157, GEOG 1303 – GEOG 132

\*\*\*May also satisfy GEOL 1303 – GEOL 141 by taking PHYS 101

Any ENG 2XX Level English Course

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

Junior Year									
TCCNS	TSU	Hours	Grade	Semester	TCCNS	TSU	Hours	Grade	Semester
	HED 329	3				HED 336	3		
	HED 333	3				HED 434	3		
	HED 334	3				HED 432	3		
	HED 341	3				HED 438	3		
	HED 399	2				HED 439	3		
	HED 437	3				HED 339	3		
17					18				

Senior Year									
TCCNS	TSU	Hours	Grade	Semester	TCCNS	TSU	Hours	Grade	Semester
	HED 433	3				HED 471	3		
	HED 477	3				HED 472	3		
	HED 480	3				HED 499	6		
	KIN 437 or 438	3							
12					12				

**Total Credit Hours = 120**

**BACHELOR OF SCIENCE IN HEALTH  
STUDIES (CHES CERTIFICATION)  
OPTION I (CONCENTRATION III) NON-  
TEACHING**

**TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	MUSI 239 or any approved Gen Ed Creative Arts Course	3	ENG 132 Freshmen English II	3
	FS 102 Freshman Seminar	1	HIST 231 Social & Political History of the United States to 1877	3
	BIOL 143 Survey of Life Science	3	MATH 133 College Algebra	3
	ENG 131 Freshman English I	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	GEOL 141 Intro to the Earth	3	HED 231 Introduction to Behavioral Health Theory	3
	HED 230 Introduction of Health	3		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2xx	3	EDCI 210 or CS 116 Instructional Technology I or Computer Science I	3
	HED 235 Health and the Human Body	3	POLS 236 Texas Government	3
	HIST 232 Social & Political History of the United States since 1877	3	HED 223 Basic CPR	2
	POLS 235 Federal Government	3	BIOL 135 Human Anatomy and Physiology I	3
	PE 1xx	1	HED 236 Socioeconomic and Culture Influences on Health	3
	PSY 131 General Psychology	3		
		<b>16 Hrs</b>		<b>14 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HED 329 Health Promotion Theory and Practice	3	HED 336 Org & Admin of Health Programs	3
	HED 333 Emergency & Care of Injuries	3	HED 434 Mental Hygiene	3
	HED 334 Contemporary Health Problems	3	HED 432 Fitness for Living	3
	HED 341 Epidemiology	3	HED 438 Hygiene of Children and Adolescents	3
	HED 399 Health Seminar	2	HED 439 Health Research Analysis	3
	HED 437 Measurements and Evaluation in Health	3	HED 339 Diseases and Consumer Health	3
		<b>17 Hrs</b>		<b>18 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	KIN 437 or KIN 438 Kinesiology or Physiology of Exercise	3	HED 471 Personal Health and Safety II	3
	HED 433 Personal Health and Safety I	3	HED 472 Foundations of Safety	3
	HED 477 Human Sexuality	3	HED 499 Supervised Individual Work, Research in Community Health	6
	HED 480 Health Program Planning and Evaluation	3		
	<b>12 Hrs</b>		<b>12 Hrs</b>	

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN HEALTH STUDIES  
OPTION I- TEACHER CERTIFICATION DEGREE PLAN  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (HEALTH STUDIES)	PROFESIONAL DEVELOPMENT	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		54 credits	24 credits	0 credits
<b><u>Communication:</u></b>		HED 223 (2)	EDCI 310 (3)	
ENG 131 (3) **	ENGL 1301	HED 233 (2)	EDCI 339 (3)	
ENG 132 (3)	ENGL 1302	HED 234 (3)	EDCI 328 (3)	
<b><u>Mathematics:</u></b>		HED 333(3)	EDCI 350 (3)	
MATH 133 (3)	MATH 1314	HED 335 (3)	RDG 401 (3)	
<b><u>Life and phy sical sciences:</u></b>		HED 336 (3)	EDCI 468 (6)	
BIOL 143 (3)	BIOL 1308	HED 339 (3)	EDCI 404 (3)	
BIOL 135 (3)	BIOL 2401	HED 399 (2)		
<b><u>Language, philosophy, and culture:</u></b>		HED 340 (3)		
ENG 230 or 231 (3)		HED 432 (3)		
<b><u>Creative arts:</u></b>		HED 433 (3)		
MUSI 239 (3)	HUMA 1310	HED 434 (3)		
<b><u>American hist ory:</u></b>		HED 436 (3)		
HIST 231 (3)	HIST 1301	HED 471 (3)		
HIST 232 (3)	HIST 1302	HED 477 (3)		
<b><u>Gov ernment/political science:</u></b>		KIN 437 OR KIN 438 (3)		
POLS 235 (3)	GOVT 2305	<b>COGNATE COURSES:</b>		
POLS 236 (3)	GOVT 2306	FS 102 (1)		
<b><u>Social and behavioral sciences:</u></b>		PE 107 (1)		
PSY 131 (3)	PSY 2301	PE 122 (1)		
<b><u>Institutional Options:</u></b>		KIN 331 (3)		
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315	GEOG 132 (3)		
EDCI 210 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE IN HEALTH STUDIES  
HEALTH STUDIES TEACHER CERTIFICATION  
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	SC 135 or 136 Business Professional Communication or Public Address	3	ENG 132 Freshman English II	3
	FS 102 Freshman Seminar	1	HIST 231 Social & Political History of the United States to 1877	3
	BIOL 143 Survey of Life Science	3	POLS 235 Federal Government	3
	ENG 131 Freshman English I	3	MUSI 239 or any approved Gen Ed Creative Arts Course	3
	HED 233 History & Principles of Health	2	PSY 131 General Psychology	3
	MATH 133 College Algebra	3	HED 223 Basic CPR	2
		15 Hrs		17 Hrs

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2XX	3	HIST 232 Social & Political History of the United States since 1877	3
	BIOL 135 Human Anatomy and Physiology I	3	POLS 236 Texas Government	3
	HED 234 History & Biological Function	3	HED 333 Emergency & Care of Injuries	3
	GEOG 132 World Regional Geography	3	HED 336 Org & Admin of Health Programs	3
	PE 122 Aerobic Activities	1	EDCI 210 Instructional Technology I	3
		13 Hrs		15 Hrs

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HED 335 Problems in Community Health	3	HED 432 Fitness in Living	3
	HED 340 Environmental and Public Health	3	HED 339 Diseases and Consumer Health	3
	KIN 331 Performance Practicum	3	EDCI 310 Principles & Foundations of Ed	3
	HED 399 Health Seminar	2	EDCI 339 Assessment and Evaluation	3
	EDCI 404 Certification Seminar	3	KIN 437 or KIN 438 Kinesiology or Physiology of Exercise	3
	HED 433 Personal Health and Safety I	3	PE 107 Walking, Jogging, and Fitness Appraisal	1
	17 Hrs		16 Hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	HED 477 Human Sexuality	3	HED 434 Mental Hygiene	3
	HED 436 Hygiene of the School Child	3	HED 471 Personal Health & Safety II	3
	EDCI 328 Psychology of Learning & Dev	3	EDCI 468 Directed Student Teaching	6
	EDCI 350 Effective Instructional Strategies	3		
	RDG 401 Diverse Populations	3		
	15 Hrs		12 Hrs	



**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE IN KINESIOLOGY  
OPTION II-(CONCENTRATION I)-TEACHER CERTIFICATION  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (KINESIOLOGY)	PROFESSIONAL DEVELOPMENT	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		54 credits	24 credits	0 credits
<b>Communication:</b>		KIN 127 (3)	EDCI 310 (3)	
ENG 131 (3) **	ENGL 1301	KIN 233 (3)	EDCI 339 (3)	
ENG 132 (3)	ENGL 1302	KIN 235 (3)	EDCI 328 (3)	
<b>Mathematics:</b>		KIN 324 (2)	EDCI 350 (3)	
MATH 133 (3)	MATH 1314	KIN 302 (3)	EDCI 404 (3)	
<b>Life and physical sciences:</b>		KIN 331 (3)	EDCI 468 (6)	
BIOL 143 (3)	BIOL 1308	KIN 332 (3)	RDG 401 (3)	
BIOL 135 (3)	BIOL 2401	KIN 336 (3)		
<b>Language, philosophy, and culture:</b>		KIN 337 (3)		
ENG 230 or 231 (3)	ENGL 2332 or 2333	KIN 338 (3)		
<b>Creative arts:</b>		KIN 378 (3)		
MUSI 239 (3)***	HUMA 1315	KIN 435 (3)		
<b>American history:</b>		KIN 437 (3)		
HIST 231 (3)	HIST 1301	KIN 438 (3)		
HIST 232 (3)	HIST 1302	KIN 399 (2)		
<b>Government/political science:</b>		KIN 432 (3)		
POLS 235 (3)	GOVT 2305	<b>COGNATE COURSES:</b>		
POLS 236 (3)	GOVT 2306	FS 102 (1)		
<b>Social and behavioral sciences:</b>		KIN 212 (1)		
PSY 131 (3)	PSY 2301	HED 333 (3)		
<b>Institutional Options:</b>		GEOG 132 (3)		
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
EDCI 210 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Any one of the following: MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)

**BACHELOR OF SCIENCE DEGREE IN KINESIOLOGY  
OPTION II (CONCENTRATION I)- TEACHER CERTIFICATION  
TOTAL CREDITS REQUIRED 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	FS 102 Freshmen Seminar	1	ENG 132 Freshman English II	3
	KIN 127 Foundations I	3	GEOG 132 World Regional Geography	3
	BIOL 143 Survey of Life Science	3	PSY 131 General Psychology	3
	SC 135 or 136 Business & Professional Communication or Public Address	3	MUSI 239 Music Appreciation or any approved Gen Ed Creative Arts Course	3
	Math 133 College Algebra	3	KIN 233 Foundations II	3
	ENG 131 Freshman English I	3		
		3		
	<b>16 Hrs</b>		<b>15 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 or 231 World Lit I or World Lit II	3	BIOL 135 Human Anatomy and Physiology I	3
	POLS 235 Federal Government	3	POLS 236 Texas Government	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	KIN 324 Advanced Swimming	2	HED 333 Emergency Care of Injuries	3
	KIN 235 Intro to Adaptive Physical Education	3	EDCI 210 Instructional Technology I	3
			KIN 212 Individual/Dual Sports & Activities II	1
	<b>14 Hrs</b>		<b>16 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	KIN 302 Physical Fitness for Elementary and Secondary Schools	3	KIN 336 Organization and Administration of Physical Education	3
	KIN 331 Performance Evaluation	3	KIN 378 Individual Dev and Motor Learning	3
	KIN 337 Movement Skill Development at the Elementary level	3	KIN 332 Coaching and Officiating	3
	KIN 338 Principles and Techniques for Outdoor and Leisure Activities	3	EDCI 310 Principles and Foundations of Education	3
	KIN 435 PE Test and Measurements	3	EDCI 339 Assessment and Evaluation	3
	EDCI 404 Certification Seminar	3		
	<b>18 Hrs</b>		<b>15 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	KIN 399 Physical Education Seminar	2	RDG 401 Diverse Populations	3
	KIN 432 Rhythms and Games for Elementary School Teachers	3	KIN 438 Physiology of Exercise	3
	KIN 437 Kinesiology	3	EDCI 468 Directed Student Teaching-All Lvl	6
	EDCI 328 Psychology of Learning Development	3		
	EDCI 350 Effective Instructional Strategies	3		
		<b>14 Hrs</b>		<b>12 Hrs</b>

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN KINESIOLOGY  
OPTION II (CONCENTRATION I) – RECREATION & LEISURE STUDIES CONCENTRATION-  
NON TEACHING  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (HUMAN PERFORMANCE)	OTHER REQUIREMENTS	CONCENTRATION (Recreation & Leisure)
TSU COURSES	TCCNS EQUIVALENT			
42 credits		46 credits	0 credits	32 credits
<b>Communication:</b>		KIN 127 (3)		RECL 234 (3)
ENG 131 (3) **	ENGL 1301	KIN 233 (3)		RECL 332 (3)
ENG 132 (3)	ENGL 1302	KIN 235 (3)		RECL 333 (3)
<b>Mathematics:</b>		KIN 324 (2)		RECL 335 (3)
MATH 135 (3)	MATH 1324	KIN 336 (3)		RECL 373 (3)
<b>Life and physical sciences:</b>		KIN 337 (3)		RECL 379 (3)
BIOL 143 (3)	BIOL 1308	KIN 338 (3)		RECL 399 (2)
BIOL 135 (3)	BIOL 2401	KIN 372 (3)		RECL 434 (3)
<b>Language, philosophy, and culture:</b>		KIN 374 (3)		RECL 476 (3)
ENG 2xx (3) ***		KIN 435 (3)		RECL 499 (6)
<b>Creative arts:</b>		KIN 437 (3)		
MUSI 239 (3) ****	HUMA 1315	KIN 438 (3)		
<b>American history:</b>				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<b>Government/political science:</b>				
POLS 235 (3)	GOVT 2305	<b>CONGNATE COURSES:</b>		
POLS 236 (3)	GOVT 2306	FS 102 (1)		
<b>Social and behavioral sciences:</b>		PE 1xx (1)		
PSY 131 (3)	PSY 2301	HED 333 (3)		
<b>Institutional Options:</b>		MATH 138 (3)		
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315	Approved Elective (3)*****		
EDCI 210 (3) or CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.  
 \*\* (N) represents the number of course credits.  
 \*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)  
 \*\*\*\* Any one of the following: MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)  
 \*\*\*\*\* Approved Elective-advisor approval

**BACHELOR OF SCIENCE DEGREE IN KINESIOLOGY  
 OPTION II (CONCENTRATION I) – RECREATION & LEISURE STUDIES CONCENTRATION-  
 NON TEACHING  
 DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	BIOL 143 Survey of Life Science	3	MATH 138 Mathematics for Business and Economic Analysis	3
	Math 135 College Algebra	3	PSY 131 General Psychology	3
	KIN 127 Foundations I	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	FS 102 Freshman Seminar	1	KIN 233 Foundations II	3
		13 Hrs		15 Hrs

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2xx	3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	POLS 236 Texas Government	3
	POLS 235 American Government	3	MUSI 239 or any approved Gen Ed Creative Arts Course	3
	BIOL 135 Human Anatomy and Physiology I	3	RECL 234 Foundations of Recreation, Parks & Leisure Services	3
	KIN 235 Intro to Adapted Physical Education	3	EDCI 210 Instructional Technology I	3
	KIN 324 Advanced Swimming	2		
	17 Hrs		15 Hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	KIN 372 Therapeutic Exercise Modalities	3	KIN 336 Org & Admin of Physical Education	3
	KIN 374 Sociology of Sports	3	RECL 373 History and Philosophy of Recreation & Leisure Studies	3
	RECL 332 Aquatic Facility Management & Waterfront Facility Operations	3	RECL 379 Facility Planning & Maintaining Recreation, Park, Leisure Areas, & Sports Facilities	3
	RECL 333 Leisure Studies: Human Diversity & The Environment	3	RECL 434 Management in Recreation, Sport, & Leisure Services	3
	RECL 335 Programming & Promotions in Recreation, Parks & Leisure Services	3	HED 333 Emergency & Care of Injuries	3
	KIN 435 Test & Measurements	3		
	18 Hrs		15 Hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	RECL 399 Professional Development & Capstone Experience in Recreation & Leisure, Sport & Wellness Related Professions	2	Approved Elective	3
	RECL 476 Therapeutic Recreation, Therapeutic Activity Intervention & Aging	3	KIN 438 Physiology of Exercise	3
	KIN 437 Kinesiology	3	RECL 499 Supervised Internship in Recreation, Parks & Leisure Services	6
	KIN 337 Movement Skill Development at the Elementary Level	3		
	KIN 338 Principles & Techniques for Outdoor & Leisure Activities	3		
	PE 1xx	1		
	15 Hrs		12 Hrs	

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN KINESIOLOGY  
OPTION II (CONCENTRATION II) – RECREATION & LEISURE STUDIES- NON TEACHING  
DEGREE PLAN  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (HUMAN PERFORMANCE)	OTHER REQUIREMENTS	CONCENTRATION (Recreation & Leisure)
TSU COURSES	TCCNS EQUIVALENT			
42 credits		46 credits	0 credits	32 credits
<b>Communication:</b>		KIN 127 (3)		RECL 234 (3)
ENG 131 (3) **	ENGL 1301	KIN 233 (3)		RECL 332 (3)
ENG 132 (3)	ENGL 1302	KIN 235 (3)		RECL 333 (3)
<b>Mathematics:</b>		KIN 324 (2)		RECL 335 (3)
MATH 135 (3)	MATH 1324	KIN 336 (3)		RECL 373 (3)
<b>Life and physical sciences:</b>		KIN 337 (3)		RECL 379 (3)
BIOL 143 (3)	BIOL 1308	KIN 338 (3)		RECL 399 (2)
BIOL 135 (3)	BIOL 2401	KIN 372 (3)		RECL 434 (3)
<b>Language, philosophy, and culture:</b>		KIN 374 (3)		RECL 476 (3)
ENG 2xx (3) ***		KIN 435 (3)		RECL 499 (6)
<b>Creative arts:</b>		KIN 437 (3)		
MUSI 239 (3) ****	HUMA 1315	KIN 438 (3)		
<b>American history:</b>				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<b>Government/political science:</b>				
POLS 235 (3)	GOVT 2305	<b>CONGNATE COURSES:</b>		
POLS 236 (3)	GOVT 2306	FS 102 (1)		
<b>Social and behavioral sciences:</b>		PE 1xx (1)		
PSY 131 (3)	PSY 2301	HED 333 (3)		
<b>Institutional Options:</b>		MATH 138 (3)		
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315	Approved Elective (3)*****		
EDCI 210 (3) or CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.  
 \*\* (N) represents the number of course credits.  
 \*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)  
 \*\*\*\* Any one of the following: MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)  
 \*\*\*\*\* Approved Elective-advisor approval

**BACHELOR OF SCIENCE DEGREE IN KINESIOLOGY  
OPTION II (CONCENTRATION II)-RECREATION & LEISURE STUDIES-NON TEACHING  
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	BIOL 143 Survey of Life Science	3	MATH 138 Mathematics for Business and Economic Analysis	3
	Math 135 College Algebra	3	PSY 131 General Psychology	3
	KIN 127 Foundations I	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	FS 102 Freshman Seminar	1	KIN 233 Foundations II	3
	13 Hrs		15 Hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2xx	3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	POLS 236 Texas Government	3
	POLS 235 American Government	3	MUSI 239 or any approved Gen Ed Creative Arts Course	3
	BIOL 135 Human Anatomy and Physiology I	3	RECL 234 Foundations of Recreation, Parks & Leisure Services	3
	KIN 235 Intro to Adapted Physical Education	3	EDCI 210 Instructional Technology I	3
	KIN 324 Advanced Swimming	2		
	17 Hrs		15 Hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	KIN 372 Therapeutic Exercise Modalities	3	KIN 336 Org & Admin of Physical Education	3
	KIN 374 Sociology of Sports	3	RECL 373 History and Philosophy of Recreation & Leisure Studies	3
	RECL 332 Aquatic Facility Management & Waterfront Facility Operations	3	RECL 379 Facility Planning & Maintaining Recreation, Park, Leisure Areas, & Sports Facilities	3
	RECL 333 Leisure Studies: Human Diversity & The Environment	3	RECL 434 Management in Recreation, Sport, & Leisure Services	3
	RECL 335 Programming & Promotions in Recreation, Parks & Leisure Services	3	HED 333 Emergency & Care of Injuries	3
	KIN 435 Test & Measurements	3		
	18 Hrs		15 Hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	RECL 399 Professional Development & Capstone Experience in Recreation & Leisure, Sport & Wellness Related Professions	2	Approved Elective	3
	RECL 476 Therapeutic Recreation, Therapeutic Activity Intervention & Aging	3	KIN 438 Physiology of Exercise	3
	KIN 437 Kinesiology	3	RECL 499 Supervised Internship in Recreation, Parks & Leisure Services	6
	KIN 337 Movement Skill Development at the Elementary Level	3		
	KIN 338 Principles & Techniques for Outdoor & Leisure Activities	3		
	PE 1xx	1		
	15 Hrs		12 Hrs	

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT  
OPTION III (CONCENTRATION I) BUSINESS NON TEACHING  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (SPORT MANAGEMENT)	PROFESSIONAL DEVELOPMENT	CONCENTRATION (BUSINESS)
TSU COURSES	TCCNS EQUIVALENT			
42 credits		54 credits	0 credits	24 credits
<b>Communication:</b>		SPMT 134 (3)		ACCT 231 (3)
ENG 131 (3) **	ENGL 1301	SPMT 135 (3)		ACCT 232 (3)
ENG 132 (3)	ENGL 1302	SPMT 273 (3)		BADM 234 (3)
<b>Mathematics:</b>		SPMT 279 (3)		ECON 231 (3)
MATH 135 (3)	MATH 1324	SPMT 332 (3)		ECON 232 (3)
<b>Life and physical sciences:</b>		SPMT 333 (3)		FIN 301 (3)
BIOL 143 (3)	BIOL 1308	SPMT 434 (3)		MKTG 306 (3)
BIOL 135 (3)	BIOL 2401	SPMT 399 (2)		ELEC BADM (3)
<b>Language, philosophy, and culture:</b>		SPMT 476 (3)		
ENG 2xx (3) ***		SPMT 499 (6)		
<b>Creative arts:</b>				
MUSI 239 (3) ****	HUMA 1315	<b>COGNATE COURSES:</b>		
<b>American history:</b>		KIN 127 (3)		
HIST 231 (3)	HIST 1301	KIN 233 (3)		
HIST 232 (3)	HIST 1302	KIN 337 (3)		
<b>Government/political science:</b>		MATH 138 (3)		
POLS 235 (3)	GOVT 2305	FS 102 (1)		
POLS 236 (3)	GOVT 2306	Approved Elective (9)*****		
<b>Social and behavioral sciences:</b>				
PSY 131 (3) *****	PSY 2301			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.  
 \*\* (N) represents the number of course credits.  
 \*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)  
 \*\*\*\* Any one of the following: MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)  
 \*\*\*\*\* Any one (1) of these: PSY 131-PYSC 2301, SOC 157-SOC 1301, GEOG 132-GEOG 1303  
 \*\*\*\*\* Approved Elective-advisor approval

**BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT  
OPTION III (CONCENTRATION I) BUSINESS NON TEACHING  
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	CS 116 Computer Science I	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	MATH 138 Mathematics for Business and Economic Analysis II	3
	MATH 135 Math and Business and Economic I	3	PSY 131 General Psychology	3
	SPMT 134 Sport & Entertainment Management	3	SPMT 135 Sport Marketing & Promotions	3
	SC 135 or 136 Bus. & Prof. Comm. or Public Address	3	BIOL 143 Survey of Life Science	3
	FS 102 Freshman Seminar	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	KIN 127 Foundations I	3	SPMT 279 Sport Program Events & Facility Management	3
	ENG 2XX	3	ECON 231 Principles of Economics I	3
	BIOL 135 Human Anatomy and Physiology I	3	MUSI 239 or any approved Gen Ed Creative Arts Course	3
	POLS 235 Federal Government	3	POLS 236 Texas Government	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 232 Principles of Economics II	3	KIN 233 Foundations II	3
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
	SPMT 273 Managerial Communication & Media Relations in Sport	3	SPMT 476 History of Governance, African Diaspora & (HBCU) Black Colleges in Sports	3
	SPMT 332 Sports, Ethics and Law	3	BADM 234 Legal and Regulatory Environment of Business	3
	KIN 337 Movement Skill Development at the Elementary Level	3	Approved Elective	3
	Approved Elective	3		
		<b>18 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Approved Elective	3	SPMT 333 Problems in Urban Recreation & Sport	3
	MKTG 306 Principles of Marketing	3	SPMT 434 Administration of Athletics in Organization	3
	FIN 301 Basic Financial Management	3	SPMT 499 Sport Management Practicum	6
	ELEC BADM	3		
	SPMT 399 Sport Management Seminar	2		
	<b>14 Hrs</b>		<b>12 Hrs</b>	



**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT  
OPTION III (CONCENTRATION II) HEALTH NON TEACHING  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (SPORT MANAGEMENT)	PROFESSIONAL DEVELOPMENT	CONCENTRATION (HEALTH)
TSU COURSES	TCCNS EQUIVALENT			
42 credits		52 credits	0 credits	26 credits
<b>Communication:</b>		SPMT 134 (3)		HED 233 (2)
ENG 131 (3) **	ENGL 1301	SPMT 135 (3)		HED 333 (3)
ENG 132 (3)	ENGL 1302	SPMT 273 (3)		HED 335 (3)
<b>Mathematics:</b>		SPMT 279 (3)		HED 340 (3)
MATH 135 (3)	MATH 1324	SPMT 332 (3)		HED 432 (3)
<b>Life and physical sciences:</b>		SPMT 333 (3)		HED 433 (3)
BIOL 143 (3)	BIOL 1308	SPMT 434 (3)		HED 471 (3)
BIOL 135 (3)	BIOL 2401	SPMT 399 (2)		HED 477 (3)
<b>Language, philosophy, and culture:</b>		SPMT 476 (3)		HED ELECTIVE (3)
ENG 2xx (3) ***		SPMT 499 (6)		
<b>Creative arts:</b>				
MUSI 239 (3) ****	HUMA 1315	<b>COGNATE COURSES:</b>		
<b>American history:</b>		FS 102 (1)		
HIST 231 (3)	HIST 1301	KIN 233 (3)		
HIST 232 (3)	HIST 1302	MATH 138 (3)		
<b>Government/political science:</b>		ECON 231 (3)		
POLS 235 (3)	GOVT 2305	Approved Elective (1)*****		
POLS 236 (3)	GOVT 2306	Approved Elective (9)*****		
<b>Social and behavioral sciences:</b>				
PSY 131 (3)*****	PSY 2301			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* Any one of the following: MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)

\*\*\*\*\* Any one (1) of these: PSY 131-PYSC 1301, SOC 157-SOC 1301, GEOG 132-GEOG 1303

\*\*\*\*\* Approved Elective-advisor approval

**BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT  
OPTION III (CONCENTRATION II) HEALTH NON TEACHING  
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	CS 116 Computer Science I	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	MATH 138 Mathematics for Business and Economic Analysis II	3
	MATH 135 Math and Business and Economic I	3	PSY 131 General Psychology	3
	SPMT 134 Sport & Entertainment Management	3	SPMT 135 Sport Marketing & Promotions	3
	SC 135 or 136 Bus. & Prof. Comm. or Public Address	3	BIOL 143 Survey of Life Science	3
	FS 102 Freshman Seminar	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	KIN 127 Foundations I	3	SPMT 279 Sport Program Events & Facility Management	3
	ENG 2XX	3	ECON 231 Principles of Economics I	3
	BIOL 135 Human Anatomy and Physiology I	3	MUSI 239 or any approved Gen Ed Creative Arts Course	3
	POLS 235 Federal Government	3	POLS 236 Texas Government	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 232 Principles of Economics II	3	KIN 233 Foundations II	3
	ACCT 231 Principles of Accounting I	3	ACCT 232 Principles of Accounting II	3
	SPMT 273 Managerial Communication & Media Relations in Sport	3	SPMT 476 History of Governance, African Diaspora & (HBCU) Black Colleges in Sports	3
	SPMT 332 Sports, Ethics and Law	3	BADM 234 Legal and Regulatory Environment of Business	3
	KIN 337 Movement Skill Development at the Elementary Level	3	Approved Elective	3
	Approved Elective	3		
		<b>18 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Approved Elective	3	SPMT 333 Problems in Urban Recreation & Sport	3
	MKTG 306 Principles of Marketing	3	SPMT 434 Administration of Athletics in Organization	3
	FIN 301 Basic Financial Management	3	SPMT 499 Sport Management Practicum	6
	ELEC BADM	3		
	SPMT 399 Sport Management Seminar	2		
		<b>14 Hrs</b>		<b>12 Hrs</b>

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT  
OPTION III (CONCENTRATION III) KINESIOLOGY NON TEACHING  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (SPORT MANAGEMENT)	PROFESSIONAL DEVELOPMENT	CONCENTRATION (HEALTH)
TSU COURSES	TCCNS EQUIVALENT			
42 credits		52 credits	0 credits	26 credits
<b>Communication:</b>		SPMT 134 (3)		HED 233 (2)
ENG 131 (3) **	ENGL 1301	SPMT 135 (3)		HED 333 (3)
ENG 132 (3)	ENGL 1302	SPMT 273 (3)		HED 335 (3)
<b>Mathematics:</b>		SPMT 279 (3)		HED 340 (3)
MATH 135 (3)	MATH 1324	SPMT 332 (3)		HED 432 (3)
<b>Life and physical sciences:</b>		SPMT 333 (3)		HED 433 (3)
BIOL 143 (3)	BIOL 1308	SPMT 434 (3)		HED 471 (3)
BIOL 135 (3)	BIOL 2401	SPMT 399 (2)		HED 477 (3)
<b>Language, philosophy, and culture:</b>		SPMT 476 (3)		HED ELECTIVE (3)
ENG 2xx (3) ***		SPMT 499 (6)		
<b>Creative arts:</b>				
MUSI 239 (3) ****	HUMA 1315	<b>COGNATE COURSES:</b>		
<b>American history:</b>		FS 102 (1)		
HIST 231 (3)	HIST 1301	KIN 233 (3)		
HIST 232 (3)	HIST 1302	MATH 138 (3)		
<b>Government/political science:</b>		ECON 231 (3)		
POLS 235 (3)	GOVT 2305	Approved Elective (1)*****		
POLS 236 (3)	GOVT 2306	Approved Elective (9)*****		
<b>Social and behavioral sciences:</b>				
PSY 131 (3)*****	PSY 2301			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* Any one of the following: MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)

\*\*\*\*\* Any one (1) of these: PSY 131-PYSC 1301, SOC 157-SOC 1301, GEOG 132-GEOG 1303

\*\*\*\*\* Approved Elective-advisor approval

**BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT  
OPTION III (CONCENTRATION III) KINESIOLOGY NON TEACHING  
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	KIN 127 Foundations I	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	MATH 138 Mathematics for Business and Economic Analysis II	3
	MATH 135 Mathematics for Business and Economic Analysis I	3	PSY 131 General Psychology	3
	SPMT 134 Sport & Entertainment Management	3	SPMT 135 Sport Marketing & Promotions	3
	SC 135 or 136 Bus. & Prof. Comm. or Public Address	3	BIOL 143 Survey of Life Science	3
	FS 102 Freshmen Seminar	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	CS 116 Computer Science I	3	KIN 233 Foundations II	3
	ENG 2xx	3	ECON 231 Principles of Economics I	3
	BIOL 135 Human Anatomy and Physiology I	3	MUSI 239 or any approved Gen Ed Creative Arts Course	3
	POLS 235 Federal Government	3	POLS 236 Texas Government	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	SPMT 273 Managerial Communication & Media Relations in Sport	3	SPMT 279 Sport Program Events & Facility Management	3
	KIN 337 Movement Skill Development at the Elementary Level	3	KIN 324 Advanced Swimming	2
	KIN 302 Physical Fitness of Elementary and Secondary Schools	3	SPMT 476 History of Governance, African Diaspora & (HBCU) Black Colleges in Sports	3
	KIN 374 Sociology of Sports	3	KIN 378 Individual Development and Motor Learning	3
	SPMT 332 Sports, Ethics and Law	3	KIN 438 Physiology of Exercise	3
	KIN 435 PE Tests and Measurements	3		
		<b>18 Hrs</b>		<b>14 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	KIN 327 Advanced Gymnastics	2	SPMT 333 Problems in Urban Recreation & Sport	3
	KIN 338 Principles and Techniques for Outdoor and Leisure Activities	3	SPMT 434 Administration of Athletics in Organization	3
	SPMT 399 Sport Management Seminar	2	SPMT 499 Sport Management Practicum	6
	KIN 437 Kinesiology	3		
	HED 333 Emergency and Care of Injuries	3		
	Approved Elective	2		
		<b>15 Hrs</b>		<b>12 Hrs</b>

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT  
OPTION III (CONCENTRATION IV) JOURNALISM NON TEACHING  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (SPORT MANAGEMENT)	OTHER REQUIREMENTS	CONCENTRATION (JOURNALISM)
TSU COURSES	TCCNS EQUIVALENT			
42 credits		55 credits	0 credits	23 credits
<b>Communication:</b>		SPMT 134 (3)		JOUR 130 (3)
ENG 131 (3) **	ENGL 1301	SPMT 135 (3)		JOUR 132 (4)
ENG 132 (3)	ENGL 1302	SPMT 273 (3)		JOUR 238 (4)
<b>Mathematics:</b>		SPMT 279 (3)		JOUR 253 (3)
MATH 135 (3)	MATH 1324	SPMT 332 (3)		JOUR ELECTIVE (3)
<b>Life and physical sciences:</b>		SPMT 333 (3)		JOUR ELECTIVE (3)
BIOL 143 (3)	BIOL 1308	SPMT 434 (3)		JOUR ELECTIVE (3)
BIOL 135 (3)	BIOL 2401	SPMT 399 (2)		
<b>Language, philosophy, and culture:</b>		SPMT 476 (3)		
ENG 2xx (3) ***		SPMT 499 (6)		
<b>Creative arts:</b>				
MUSI 239 (3) ****	HUMA 1315	<b>COGNATE COURSES:</b>		
<b>American history:</b>		FS 102 (1)		
HIST 231 (3)	HIST 1301	KIN 127 (3)		
HIST 232 (3)	HIST 1302	KIN 233 (3)		
<b>Government/political science:</b>		MATH 138 (3)		
POLS 235 (3)	GOVT 2305	ECON 231 (3)		
POLS 236 (3)	GOVT 2306	Approved Elective (10)*****		
<b>Social and behavioral sciences:</b>				
PSY 131 (3)*****	PSY 2301			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.  
 \*\* (N) represents the number of course credits.  
 \*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)  
 \*\*\*\* Any one of the following: MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)  
 \*\*\*\*\* Any one (1) of these: PSY 131-PYSC 1301, SOC 157-SOC 1301, GEOG 132-GEOG 1303  
 \*\*\*\*\* Approved Elective-advisor approval

**BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT  
OPTION III (CONCENTRATION IV) JOURNALISM NON TEACHING  
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	KIN 127 Foundations I	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	MATH 138 Mathematics for Business and Economic Analysis II	3
	MATH 135 Mathematics for Business and Economic Analysis I	3	KIN 233 Foundations II	3
	SPMT 134 Sport & Entertainment Management	3	SPMT 135 Sport Marketing & Promotions	3
	SC 135 or 136 Bus. & Prof. Comm. or Public Address	3	BIOL 143 Survey of Life Science	3
	FS 102 Freshmen Seminar	1		
	<b>16 Hrs</b>		<b>15 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	CS 116 Computer Science I	3	PSY 131 General Psychology	3
	ENG 2xx	3	ECON 231 Principles of Economics I	3
	BIOL 135 Human Anatomy and Physiology I	3	MUSI 239 or any approved Gen Ed Creative Arts Course	3
	POLS 235 American Government	3	POLS 236 Texas Government	3
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	JOUR 130 Introduction to Journalism	3	JOUR 253 News Editing I	3
	JOUR 132 Introduction to Reporting	4	JOUR ELECTIVE	3
	SPMT 273 Managerial Communication & Media Relations in Sport	3	JOUR ELECTIVE	3
	SPMT 332 Sports, Ethics and Law	3	SPMT 279 Sport Program Events & Facility Management	3
	Approved Elective	3	SPMT 476 History of Governance, African Diaspora & (HBCU) Black Colleges in Sports	3
			Approved Elective	3
	<b>16 Hrs</b>		<b>18 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	JOUR 238 Intermediate Reporting	4	SPMT 333 Problems in Urban Recreation & Sport	3
	JOUR ELECTIVE	3	SPMT 434 Administration of Athletics in Organization	3
	Approved Elective	3	SPMT 499 Sport Management Practicum	6
	Approved Elective	1		
	SPMT 399 Sport Management Seminar	2		
	<b>13 Hrs</b>		<b>12 Hrs</b>	

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT  
OPTION III (CONCENTRATION V) RADIO, TELEVISION & FILM NON TEACHING  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (SPORT MANAGEMENT)	OTHER REQUIREMENTS	CONCENTRATION (RTF)
TSU COURSES	TCCNS EQUIVALENT			
42 credits		55 credits	0 credits	23 credits
<b>Communication:</b>		SPMT 134 (3)		RTF 130 (3)
ENG 131 (3) **	ENGL 1301	SPMT 135 (3)		RTF 131 (3)
ENG 132 (3)	ENGL 1302	SPMT 273 (3)		RTF 331 (3)
<b>Mathematics:</b>		SPMT 279 (3)		RTF 344 (3)
MATH 135 (3)	MATH 1324	SPMT 332 (3)		RTF 353 or 355 (4)
<b>Life and physical sciences:</b>		SPMT 333 (3)		RTF 360 or 361 (4)
BIOL 143 (3)	BIOL 1308	SPMT 434 (3)		ERM ELECTIVE (3)
BIOL 135 (3)	BIOL 2401	SPMT 399 (2)		
<b>Language, philosophy, and culture:</b>		SPMT 476 (3)		
ENG 2xx (3) ***		SPMT 499 (6)		
<b>Creative arts:</b>				
MUSI 239 (3) ****	HUMA 1315	<b>COGNATE COURSES:</b>		
<b>American history:</b>		FS 102 (1)		
HIST 231 (3)	HIST 1301	KIN 127 (3)		
HIST 232 (3)	HIST 1302	KIN 233 (3)		
<b>Government/political science:</b>		MATH 138 (3)		
POLS 235 (3)	GOVT 2305	ECON 231 (3)		
POLS 236 (3)	GOVT 2306	Approved Elective (10) *****		
<b>Social and behavioral sciences:</b>				
PSY 131 (3)*****	PSY 2301			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* Any one of the following: MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)

\*\*\*\*\* Any one (1) of these: PSY 131-PYSC 1301, SOC 157-SOC 1301, GEOG 132-GEOG 1303

\*\*\*\*\* Approved Elective-advisor approval

**BACHELOR OF SCIENCE DEGREE IN SPORT MANAGEMENT  
OPTION III (CONCENTRATION V) RADIO, TELEVISION & FILM NON TEACHING  
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	CS 116 Computer Science I	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	MATH 138 Mathematics for Business and Economic Analysis II	3
	MATH 135 Mathematics for Business and Economic Analysis I	3	PSY 131 General Psychology	3
	SPMT 134 Sport & Entertainment Management	3	SPMT 135 Sport Marketing & Promotions	3
	SC 135 or 136 Bus. & Prof. Comm. or Public Address	3	BIOL 143 Survey of Life Science	3
	FS 102 Freshmen Seminar	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	KIN 127 Foundations I	3	KIN 233 Foundations II	3
	ENG 2xx	3	ECON 231 Principles of Economics I	3
	BIOL 135 Human Anatomy and Physiology I	3	MUSI 239 or any approved Gen Ed Creative Arts Course	3
	POLS 235 American Government	3	POLS 236 Texas Government	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	RTF 130 Introduction to Media Studies	3	ERM Elective	3
	RTF 131 Introduction to Media Production	3	RTF 331 Media Analyst and Criticism	3
	SPMT 273 Managerial Communication & Media Relations in Sport	3	RTF 344 Media Management and Marketing	3
	SPMT 332 Sports, Ethics and Law	3	SPMT 279 Sport Program Events & Facility Management	3
	Approved Elective	3	SPMT 476 History of Governance, African Diaspora & (HBCU) Black Colleges in Sports	3
			Approved Elective	3
		<b>15 Hrs</b>		<b>18 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	RTF 353 or RTF 355 Television Studio Production I or Field Video Production I	4	SPMT 333 Problems in Urban Recreation & Sport	3
	RTF 360 or RTF 361 Introduction to Media Performance or Introduction to Radio Operations	4	SPMT 434 Administration of Athletics in Organization	3
	Approved Elective	3	SPMT 499 Sport Management Practicum	6
	Approved Elective	1		
	SPMT 399 Sport Management Seminar	2		
		<b>14 Hrs</b>		<b>12 Hrs</b>



**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE IN ATHLETIC TRAINING  
OPTION IV (CONCENTRATION I) TEACHER CERTIFICATION  
TOTAL CREDITS REQUIRED: 125**

CORE CURRICULUM (STANDARD)*		MAJOR (ATHLETIC TRAINING)	PROFESSIONAL DEVELOPMENT	CONCENTRATION
TSU COURSES	TCCNS EQUIVALENT			
42 credits		56 credits	21 credits	6 credits
<b>Communication:</b>		ATR 206 (3)	EDCI 404 (3)	NUTR 235 (3)
ENG 131 (3) **	ENGL 1301	ATR 210 (1)	EDCI 310 (3)	MATH 231 (3)
ENG 132 (3)	ENGL 1302	ATR 212 (1)	EDCI 339 (3)	
<b>Mathematics:</b>		ATR 222 (3)	EDCI 328 (3)	
MATH 133 (3)	MATH 1314	ATR 223 (2)	EDCI 350 (3)	
<b>Life and physical sciences:</b>		ATR 303 (3)	EDCI 468 (6)	
BIOL 131 (3)	BIOL 1406	ATR 318 (3)		
BIOL 135 (3)	BIOL 2401	ATR 340 (3)		
<b>Language, philosophy, and culture:</b>		ATR 408 (4)		
ENG 230 or 231 (3)	ENGL 2332 or ENGL 2326	ATR 413 (3)		
<b>Creative arts:</b>		ATR 319 (3)		
MUSI 239 (3)	HUMA 1315	KIN 127 (3)		
<b>American history:</b>		KIN 399 (2)		
HIST 231 (3)	HIST 1301	KIN 438 (3)		
HIST 232 (3)	HIST 1302	<b>CONGNATE COURSES:</b>		
<b>Government/political science:</b>		FS 102 (1)		
POLS 235 (3)	GOVT 2305	BIOL 111L (1)		
POLS 236 (3)	GOVT 2306	BIOL 132 (3)		
<b>Social and behavioral sciences:</b>		BIOL 112L (1)		
PSY 131 (3)	PSY 2301	BIOL 136 (3)		
<b>Institutional Options:</b>		PHYS 237 (3)		
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315	PHYS 213(1)		
EDCI 210 (3)	COSC 1301	GEOG 132 (3)		
		PE 1XX (1)		
		PE 1XX (1)		
		PE 1XX (1)		

^^ The 125 credit hours of concentration include the credit hours required for the Bachelor of Science in Athletic Training and Teacher Certification.

^^ All degree candidates must complete a 1350 clock hour internship working under a certified/licensed athletic trainer, and an approved externship.

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE IN ATHLETIC TRAINING  
OPTION IV (CONCENTRATION I) TEACHER CERTIFICATION  
DEGREE PLAN – TOTAL CREDITS: 125**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	CS 116 Computer Science I	3	ENG 132 Freshman English II	3
	ENG 131 Freshman English I	3	MATH 138 Mathematics for Business and Economic Analysis II	3
	MATH 135 Mathematics for Business and Economic Analysis I	3	PSY 131 General Psychology	3
	SPMT 134 Sport & Entertainment Management	3	SPMT 135 Sport Marketing & Promotions	3
	SC 135 or 136 Bus. & Prof. Comm. or Public Address	3	BIOL 143 Survey of Life Science	3
	FS 102 Freshmen Seminar	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	KIN 127 Foundations I	3	KIN 233 Foundations II	3
	ENG 2xx	3	ECON 231 Principles of Economics I	3
	BIOL 135 Human Anatomy and Physiology I	3	MUSI 239 or any approved Gen Ed Creative Arts Course	3
	POLS 235 American Government	3	POLS 236 Texas Government	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	RTF 130 Introduction to Media Studies	3	ERM Elective	3
	RTF 131 Introduction to Media Production	3	RTF 331 Media Analyst and Criticism	3
	SPMT 273 Managerial Communication & Media Relations in Sport	3	RTF 344 Media Management and Marketing	3
	SPMT 332 Sports, Ethics and Law	3	SPMT 279 Sport Program Events & Facility Management	3
	Approved Elective	3	SPMT 476 History of Governance, African Diaspora & (HBCU) Black Colleges in Sports	3
			Approved Elective	3
	<b>15 Hrs</b>		<b>18 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	RTF 353 or RTF 355 Television Studio Production I or Field Video Production I	4	SPMT 333 Problems in Urban Recreation & Sport	3
	RTF 360 or RTF 361 Introduction to Media Performance or Introduction to Radio Operations	4	SPMT 434 Administration of Athletics in Organization	3
	Approved Elective	3	SPMT 499 Sport Management Practicum	6
	Approved Elective	1		
	SPMT 399 Sport Management Seminar	2		
		<b>14 Hrs</b>		<b>12 Hrs</b>

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE IN ATHLETIC TRAINING  
OPTION IV (CONCENTRATION II) NON TEACHING  
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*		MAJOR (ATHLETIC TRAINING)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		70 credits	9 credits	0 credits
<b>Communication:</b>		ATR 206 (3)	NUTR 235 (3)	
ENG 131 (3) **	ENGL 1301	ATR 210 (1)	MATH 231 (3)	
ENG 132 (3)	ENGL 1302	ATR 212 (1)	Approved Elective (3)*****	
<b>Mathematics:</b>		ATR 222 (3)		
MATH 133 (3)	MATH 1314	ATR 223 (2)		
<b>Life and physical sciences:</b>		ATR 303 (3)		
BIOL 131 (3)	BIOL 1406	ATR 318 (3)		
BIOL 135 (3)	BIOL 2401	ATR 323 (2)		
<b>Language, philosophy, and culture:</b>		ATR 340 (3)		
ENG 2xx (3) ***		ATR 408 (4)		
<b>Creative arts:</b>		ATR 413 (3)		
MUSI 239 (3) ****	HUMA 1315	ATR 319 (3)		
<b>American history:</b>		ATR 423 (3)		
HIST 231 (3)	HIST 1301	ATR 499 (6)		
HIST 232 (3)	HIST 1302	KIN 127 (3)		
<b>Government/political science:</b>		KIN 235 (3)		
POLS 235 (3)	GOVT 2305	KIN 399 (2)		
POLS 236 (3)	GOVT 2306	KIN 438 (3)		
<b>Social and behavioral sciences:</b>		<b>CONGNATE COURSES:</b>		
PSY 131 (3)*****	PSY 2301	FS 102 (1)		
<b>Institutional Options:</b>		BIOL 111L (1)		
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315	BIOL 112L (1)		
EDCI 210 or CS 116 (3)	COSC 1301	BIOL 132 (3)		
		BIOL 136 (3)		
		PHYS 237 (3)		
		PHYS 213(1)		
		GEOL 141 (3)		
		PE 1XX (1)		
		PE 1XX (1)		
		PE 1XX (1)		

^^ All degree candidates must complete a 1350 clock hour internship working under a certified/licensed athletic trainer, and an approved externship.

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* Any one of the following: MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)

\*\*\*\*\* May also satisfy GEOL141-GEOL1412 by taking PHYS 101

**BACHELOR OF SCIENCE DEGREE IN ATHLETIC TRAINING  
OPTION IV (CONCENTRATION II) NON TEACHING  
DEGREE PLAN – TOTAL CREDITS: 121**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	KIN 127 Foundations I	3	GEOL 141 Intro to Earth	3
	BIOL 131 Biological Science I	3	HIST 232 Social & Political History of the United States since 1877	3
	BIOL 111 Biological Science I Lab	1	BIOL 132 Biological Science II	3
	Math 133 College Algebra	3	BIOL 112 Biological Science II Lab	1
	HIST 231 Social & Political History of the United States to 1877	3	ATR 212 Medical Terminology	1
	FS 102 Freshman Seminar	1	SC 135 or 136 Business & Professional Communication or Public Address	3
		<b>17 Hrs</b>		<b>17 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ATR 222 Emergency Medical Technology in Physical Activity	3	ENG 2xx Upper level English	3
	BIOL 135 Human Anatomy and Physiology I	3	MUSI 239 or any approved Gen Ed Creative Arts Course	3
	POLS 235 Federal Government	3	POLS 236 Texas Government	3
	EDCI 210 or CS 116 Instructional Technology I or Computer Science I	3	PSY 131 General Psychology	3
	ATR 206 Intro to Athletic Training	3	BIOL 136 Human Anatomy & Physiology II	3
	ATR 210 Athletic Taping & Bracing	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ATR 223 Clinical Preceptorship I	2	ATR 319 Ortho Assessment Lower II	3
	ATR 318 Ortho Assessment Upper I	3	ATR 340 Organization & Administration in AT	3
	PHYS 237 College Physics I	3	MATH 231 Elementary Statistics	3
	PHYS 213 College Physics Lab I	1	KIN 438 Physiology of Exercise	3
	ATR 303 Biomechanics of Exercise & Sport Science	3	NUTR 235 Elementary Nutrition	3
	PE 1xx	1		
		<b>13 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	ATR 323 Clinical Preceptorship III	2	ATR 413 Rehabilitation Technique in AT	3
	ATR 423 Clinical Preceptorship V	3	KIN 399 Physical Education Seminar	2
	ATR 408 Therapeutic Modalities in AT	4	ATR 499 Clinical Externship in Athletic Training	6
	KIN 235 Intro to Adapted Physical Education	3	PE 1xx	1
	Approved Elective	3	PE 1xx	1
		<b>15 Hrs</b>		<b>13 Hrs</b>



## COLLEGE OF LIBERAL ARTS AND BEHAVIORAL SCIENCES

## COLLEGE OF LIBERAL ARTS AND BEHAVIORAL SCIENCES OVERVIEW

The College of Liberal Arts and Behavioral Sciences (COLABS) is the most instructionally diverse unit at Texas Southern University. Because COLABS provides the majority of the General Education courses required for a Bachelor’s degree, it is actually the heart and soul of all undergraduate education at TSU. In other words, every student will spend a significant amount of time taking courses in this college before moving on to pursue specialized coursework in his or her selected major. We know that how well we educate students in those General Education courses predicts their success in the rest of their educational journey. It is for this reason that faculty in this college are proud that the quality of education we provide equips students with the skills they need to excel in any path they choose to pursue.

In addition to providing General Education, The College of Liberal Arts and Behavioral Sciences offers several majors. Choosing a major is one of the most important decision any student will make. We encourage them to choose one that best aligns with their passions, creative talents, intellectual interests, and academic strengths. COLABS majors and minors satisfy the interests of those committed to: 1) social and economic justice, 2) racial and gender equality, 3) improving the lives and mental health of individuals in our communities, 4) strengthening families and communities, 5) finding solutions to various social challenges, 6) engaging with global economies, societies, and cultures, 7) intellectual inquiry and challenging received bodies of knowledge, or 8) inspiring others through artistic creation and expression.

The College of Liberal Arts and Behavioral Sciences offers twelve (12) undergraduate degrees and five (5) graduate degrees through nine (9) departments, housed in different locations on campus. The following is a summary of the undergraduate degrees and departments:

Department	Undergraduate Degrees	Graduate Degrees
English	Bachelor of Arts in English	Master of Arts in English
Foreign Languages	Bachelor of Arts in Spanish	
History and Geography	Bachelor of Arts in History	Master of Arts in History
	Bachelor of Arts in General Studies	
Human Services and Consumer Sciences	Bachelor of Science in Dietetics	
	Bachelor of Science in Human Services and Consumer Sciences	Master of Science in Human Services and Consumer Sciences
Music	Bachelor of Arts in Music	
Psychology	Bachelor of Arts in Psychology	Master of Arts in Psychology
Social Work	Bachelor of Arts in Social Work	
Sociology	Bachelor of Arts in Sociology	Master of Arts in Sociology
Visual and Performing Arts	Bachelor of Arts in Art	
	Bachelor of Arts in Theatre	

In addition to the majors listed above, the College of Liberal Arts and Behavioral Sciences offers 18 minors. Some majors require that students declare a minor, while others do not. However, some major programs that do not require a minor, may require extra courses in an area of concentration. Students must check with their major department chairs for specifics on whether a minor or concentration is required. COLABS majors are welcome to pursue a minor in another college at TSU.

Students interested in our Graduate degree programs should refer to the Graduate Bulletin of Texas Southern University for detailed descriptions of those programs and degree plans.



The officers of the College include the Dean, Associate Dean, Assistant Dean, and Department Chairs. The Office of the Dean is located in Suite 315 of Barbara Jordan – Mickey Leland Building (PAB) and may be contacted by calling (713) 313-4287.

### **MISSION STATEMENT OF THE COLLEGE OF LIBERAL ARTS AND BEHAVIORAL SCIENCES**

Through quality programs and innovative study of the Arts, Humanities, and Social and Behavioral Sciences, the College is dedicated to engaging students in a journey of self-discovery and intellectual inquiry, thereby empowering them to live fully actuated lives in diverse, urban, and global communities.

### **COLLEGE POLICIES**

Students (either new or transfer) wishing to enroll in one of the majors offered by the College of Liberal Arts and Behavioral Sciences must first submit an application through the Texas Southern University's Office of Admissions and be accepted. Once accepted, students are strongly encouraged to contact the department of their intended major to formally declare that major and submit relevant forms.

All majors in the College of Liberal Arts and Behavioral Sciences are required to be advised by faculty in their major departments *before* registering for classes every semester. This advising plays a vital role in ensuring that students are satisfactorily progressing through their major.

Students in the College who have been enrolled in credit courses within the year preceding the intended registration are not required to re-apply for admission. However, students who last attended classes a year or more prior to registration are required to file an application for readmission and submit transcripts from all colleges attended since their last enrollment at Texas Southern University.

The College strictly adheres to the policies found in the Student Code of Conduct handbook. Students are advised to familiarize themselves with this document.

### **GOOD ACADEMIC STANDING POLICY**

To remain in good academic standing in the College, students must maintain a 2.0 cumulative GPA. Those who fail to meet this standard are subject to the probationary and suspension policies set by the University described in this document. The College adheres to the University policies on probation and suspension. Students wishing to re-enroll after suspension must follow the set University procedures and consult with the Dean or Associate Dean of COLABS.

Students pursuing majors and/or minors through the various departments in the College of Liberal Arts and Behavioral Sciences are strongly cautioned that many programs have their own specific cumulative GPA and grade requirements that are *higher* than the University's minimum GPA requirement. Students must adhere to these policies to remain in their chosen program.

### **STUDENT ORGANIZATIONS AND PERFORMING GROUPS**

Various student organizations operate within the College and the departments. In addition, a number of ensemble groups perform under the guidance of the Department of Music. Students interested in participating in student organizations and performing groups should contact the respective organizations.

## **ACCREDITATION**

All programs in the College of Liberal Arts and Behavioral Sciences are accredited by the Southern Association of Colleges and Schools Commission on Colleges. The Bachelor of Arts (B.A.) Degree in Social Work is also accredited by the Council on Social Work Education, and the Bachelor of Science (B.S.) in Dietetics is accredited by the Accreditation Council for Education in Nutrition and Dietetics.

## **RIGHT TO MODIFY**

The information contained in this bulletin is considered to be informational and descriptive, but not contractual. The University reserves the right to change, without notice, any policy, procedure, course, or requirement found in this bulletin.

## **DESCRIPTION OF DEPARTMENTS IN THE COLLEGE**

The nine departments in the College of Liberal Arts and Behavioral Sciences are described in detail in the following pages.



## DEPARTMENT OF ENGLISH

The mission of the Department of English is to cultivate understanding, knowledge, and the application of the English language in a culturally diverse environment. The faculty teach literature, language arts, critical reading and thinking, and research techniques at the core curriculum level for all undergraduates and at the baccalaureate level for majors and minors. Through its courses and programs, the Department of English aims to equip students to succeed in academic endeavors in college as well as in graduate and professional schools and to prepare them to assume responsible, successful, and fulfilling roles in society.

The Department of English offers courses leading towards two degrees, one undergraduate, the Bachelor of Arts in English, and one graduate, the Master of Arts (M.A.) Degree in English.

The Bachelor of Arts (B.A.) in English offers three degree plans:

- English B.A. with a Minor Concentration,
- English B.A. with Teaching Certification, and
- English B.A. with a Professional Writing Concentration.

Students interested in the Master of Arts Degree in English should consult the Graduate School Catalog for course and program information.

In selecting English as a major or a minor, students must formally register in the Department of English and must seek guidance from departmental advisors. English majors and minors must have a minimum GPA of 2.50 and must have grades of C or better in all English courses completed at the time the admission request is made.

For the baccalaureate degree in English, students must satisfactorily complete a minimum of 121 semester hours. Students in Texas are required to take the first 42 hours in General Education core curriculum courses towards those 121 hours. **Transfer students may substitute FS 102 with any college level course to complete the total credit hours required for graduation by their degree plan.**

Students majoring in the English with a minor program concentration are required to declare the minor and to take 18 credit hours in courses in a separate academic discipline. Students majoring in the English with teaching certification must take 21 hours of Education Courses in EDCl, including student teaching and six hours of required reading courses. Students majoring in English with a professional writing concentration take 18 hours in technical and/or creative writing in the Department of English.

Grades of “C” or better are required in all courses dedicated to either the major or the minor program. No course offered through the Department can be used to satisfy both a core curriculum requirement and a major requirement for graduation. To be eligible for graduation as English majors, students must follow a program of specific course requirements as well as successfully complete an exit examination.

Course requirements for the major and minor programs are summarized as follows:

1. **For the major in English with a minor**, 121 semester hours are required, including the following three-credit courses: ENG 231 (prerequisite ENG 230), ENG 301, ENG 302, ENG 303, ENG 304, ENG 338, ENG 430, ENG 432, ENG 433, ENG 437, and ENG 440 or ENG 441.
2. **For the major in English with teaching certification**, 121 semester hours are required, 36 hours for the major including the following three-credit courses: ENG 231 (prerequisite ENG 230), ENG 301, ENG 302, ENG 303, ENG 304, ENG 338, ENG 430, ENG 432, ENG 433, ENG 437, ENG 439, and ENG 440 or ENG 441. Individuals interested in seeking certification for teaching in the public schools of Texas should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions.
3. **For the major in English with a professional writing concentration**, 121 semester hours are required, including the 36 hours for the major and 18 hours of technical and/ or professional writing courses.
4. **For the minor in English, 18 semester credit hours are required**, including the following three-credit courses: ENG 231 (prerequisite ENG 230), ENG 301 or ENG 302, ENG 303 or ENG 304, ENG 338, ENG 430, ENG 432, and ENG 440 or 441.

The offices of the Department of English are located in the Martin Luther King Center, Room 106.

Visit our website at <http://www.tsu.edu/academics/colleges-and-schools/colabs/english/>

Visit the Department of English Writing Lab at Martin Luther King Center, 252, and at <http://www.tsu.edu/owl/>

Questions may be directed to the Department Office at 713-313-7916.

**LISTING OF FACULTY IN THE ENGLISH DEPARTMENT**

<p>Benson-Marsh, Michon Assistant Professor B.A. University of Texas at Austin M.A. Texas Southern University Ph.D. Rice University <a href="mailto:Michon.Benson@tsu.edu">Michon.Benson@tsu.edu</a> 713-313-7613 MLK 147</p>	<p>Lancaster, Iris Associate Professor B.A., M.A., Texas Southern University Ph.D., Texas A &amp; M – Commerce <a href="mailto:Iris.lancaster@tsu.edu">Iris.lancaster@tsu.edu</a> 713-313-7653 MLK 153</p>
<p>Brooks de Vita, Alexis Professor B.A., University of Vermont M.A., Ph.D., University of Colorado-Boulder <a href="mailto:Alexis.brooksdevita@tsu.edu">Alexis.brooksdevita@tsu.edu</a> 713-313-7214 MLK 142</p>	<p>Samples, Ronald Associate Professor B.A., Texas Southern University M.A., Ph.D., Rice University <a href="mailto:ronald.samples@tsu.edu">ronald.samples@tsu.edu</a> 713-313-7218 MLK 143</p>
<p>Evans, Charlene T. Professor B.A. University of Texas at Austin M.A. Atlanta University M.A., Ph.D. Rice University <a href="mailto:Charlene.evans@tsu.edu">Charlene.evans@tsu.edu</a> 713-313-7094 MLK 146</p>	<p>Sollars, Michael D. Chair Professor B.A., University of Missouri, Columbia M.A., Ph.D., University of Missouri, Kansas City <a href="mailto:Michael.sollars@tsu.edu">Michael.sollars@tsu.edu</a> 713-313-7957 MLK 106</p>
<p>Jennings, Arbolina L Assistant Professor B.A., Notre Dame College (Ohio) M.A., ABD, New York University <a href="mailto:arbolina.jennings@tsu.edu">arbolina.jennings@tsu.edu</a> 713-313-7661 MLK 152</p>	<p>Zeitler, Michael A. Professor B.A. University of California, Santa Cruz M.A., Ph.D., Johns Hopkins University <a href="mailto:Michael.zeitler@tsu.edu">Michael.zeitler@tsu.edu</a> 713-313-7413 MLK 147</p>
<p>Jones, Philip R. Assistant Professor B.M. University of Houston M.A. University of Houston-Clear Lake M.A. Indiana University Ph.D. Texas State University <a href="mailto:Philip.Jones@tsu.edu">Philip.Jones@tsu.edu</a> 713-313-6793 MLK 145</p>	

## DEPARTMENT OF ENGLISH

### DEVELOPMENTAL ENGLISH COURSES

#### **ENG 130**                      **Integrated Reading and Writing**                      **(3)**

A course in basic reading and writing skills that concentrates on grammar, sentence structure, paragraph and essay development. Exemption by satisfactory score on the Texas Higher Education Assessment (THEA) or TSI Examination. Three hours of lecture and one hour of laboratory per week.

**Listed as ENGL 0300 in the Texas Common Course Numbering System.**

### ENGLISH COURSES – CORE CURRICULUM

#### **ENG 131**                      **Freshman English I**                      **(3)**

Intensive study of and practice in writing processes--from invention/research to drafting, revising, and editing texts, both individually and collaboratively. Emphasizes effective rhetorical choices based on an awareness of audience, writing purpose, structural arrangement, and style. Focuses on the close reading of verbal, visual, and multimedia texts and on writing the academic essay as a vehicle for learning, communicating, and analyzing texts critically.

Three hours of lecture per week.

**Listed as ENGL 1301 in the Texas Common Course Numbering System.**

#### **ENG 132**                      **Freshman English II**                      **(3)**

Intensive study of and practice in strategies and techniques for developing research-based expository and persuasive texts. Emphasizes effective and ethical rhetorical inquiry of primary and secondary sources. Focuses on the critical reading of verbal, visual, and multimedia texts; the systematic evaluation, synthesis, and documentation of information sources; and the critical consideration of evidence and conclusions. Three hours of lecture per week.

Prerequisite: ENG 131 or its equivalent.

**Listed as ENGL 1302 in the Texas Common Course Numbering System.**

#### **ENG 230**                      **World Literature I**                      **(3)**

A survey of world literature from the ancient world through the sixteenth century. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Three hours of lecture per week.

**Listed as ENGL 2332 in the Texas Common Course Numbering System.**

#### **ENG 231**                      **World Literature II**                      **(3)**

A survey of world literature from the seventeenth century to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions. Three hours of lecture per week.

**Listed as ENGL 2333 in the Texas Common Course Numbering System.**

#### **ENG 235**                      **American Literature**                      **(3)**

A survey of American literature from the period of exploration and settlement to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character. Three hours of lecture per week.

**Listed as ENGL 2326 in the Texas Common Course Numbering System.**

#### **ENG 244**                      **African American Literature**                      **(3)**

A survey of African American literature with emphasis on major authors and movements. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected for what they reflect and reveal about the African American experience. Prerequisites: ENG 131 and 132.

**Listed as ENGL 2328 in the Texas Common Course Numbering System.**

## ENGLISH COURSES – UPPER LEVEL

- ENG 301**                      **Great American Writers I**                      (3)  
Survey of major works of American literature from pre-colonial to 1865. The course emphasizes literary movements, genres, and themes. Required of English majors. Three hours of lecture per week.
- ENG 302**                      **Great American Writers II**                      (3)  
Survey of major works of American literature from 1865 to the present. The course emphasizes literary movements, genres, and themes. Required of English majors. Three hours of lecture per week.
- ENG 303**                      **British Literature I**                      (3)  
Survey of major works of British literature from its beginnings through the eighteenth century. Required of English majors. Three hours of lecture per week.
- ENG 304**                      **British Literature II**                      (3)  
Survey of major works of British literature from the nineteenth century to the present. Required of English majors. Three hours of lecture per week.
- ENG 305**                      **Mythology and Literature**                      (3)  
Study of classical and other myths, legends, and folktales, with emphasis on original works and mythology in literature. Three hours of lecture per week.
- ENG 320**                      **Introduction to Creative Writing**                      (3)  
Creative writing workshop in which students study the intricacies of literary terminology, techniques, genres, and mechanics in various works of fiction and poetry. Three hours of lecture per week.
- ENG 336**                      **The Novel**                      (3)  
Study of the novel as a genre and of its various forms from the picaresque to the contemporary novel. Three hours of lecture per week.
- ENG 338**                      **Writing in the Disciplines**                      (3)  
Course provides practice in composing specific research projects related to technical, professional, and academic disciplines, including education, law, medicine, engineering, and the sciences. Students will develop research projects. This course is required for all English majors and minors. Three hours of lecture per week.
- ENG 339**                      **Women's Literature**                      (3)  
A study of the distinctly female tradition in literature, by examining the style and content of women's fiction, poetry, drama, and non-fiction. Three hours of lecture per week.
- ENG 341**                      **Literature and Film**                      (3)  
A study of the relationships between the two media, literature and film, by exploring works linked by genre, topic, and style. Three hours of lecture per week.
- ENG 342**                      **Chinese Literature**                      (3)  
A study of Chinese fiction, poetry, and historical writing in English translation. Students may enrich their readings with selected media and film. Three hours of lecture per week.
- ENG 343**                      **African Literature**                      (3)  
A study of the literature of Africa and of the works of Africana writers, in English translation. Three hours of lecture per week.
- ENG 347**                      **Workshop in Creative Writing**                      (3)  
A creative writing workshop course in poetry and fiction. Three hours of lecture per week.
- ENG 350**                      **Fiction Workshop**                      (3)  
A course in which students write, discuss, criticize, and revise original works of short fiction, with student-instructor conferences

and class discussion of student writing. Three hours of lecture per week.

**ENG 351**                      **Technical Editing for the Professions**                      **(3)**  
Course focuses on reading, writing, and editing, particularly on the types of writing that fills reports, manuals, and marketing products specific for the business and STEM professions. Evaluates documents for clarity and effectiveness. Three hours of lecture per week.

**ENG 352**                      **Poetry Workshop**                      **(3)**  
A course in which students write, discuss, criticize, and revise original works of poetry with student-instructor conferences and class discussion of student writing. Three hours of lecture per week. Prerequisite: consent of the instructor. Offered during the fall semester of even-numbered academic years.

**ENG 367**                      **Latin American Literature**                      **(3)**  
Study of the novel and various other forms of literature as they developed in Latin America from colonial times to the twentieth century, in English translation. Three hours of lecture per week.

**ENG 412**                      **Seminar in Technical Writing**                      **(3)**  
A course in which students learn specific technical writing skills of professions such as business, government, and science and demonstrate these through project proposals, response papers, abstracts, summaries, memos and letters, media presentations, and various types of business and industry reports.

**ENG 430**                      **History and Theory of the English Language**                      **(3)**  
Introduction to the principles of language theory and to the history of the English language. Required of English majors and minors. Three hours of lecture per week.

**ENG 432**                      **Capstone Seminar**                      **(3)**  
A senior level culmination of baccalaureate studies and preparation for work in academic and professional environments. Students prepare a capstone project in order to demonstrate mastery of skills in research, writing, editing, and documentation. Students compile a portfolio of critical essays, review literary history and major literary works, and take a comprehensive exam on literature and language. Course is required of English majors and English minors. Three hours of lecture per week.

**ENG 433**                      **Shakespeare and Renaissance Studies**                      **(3)**  
Study of selected tragedies, histories, comedies, and non-dramatic works by William Shakespeare, set in the context of the English Renaissance. Required of English majors and minors. Three hours of lecture per week.

**ENG 437**                      **Principles of Literary Criticism**                      **(3)**  
Historical study of critical approaches to literature applied in the appraisal of selected works. Three hours of lecture per week. Prerequisite: Completion of all required 200-level ENG courses.

**ENG 438**                      **Masterpieces of Modern Theatre**                      **(3)**  
Study of drama, focusing on masterpieces of the twentieth century. Three hours of lecture per week. May be offered in conjunction with SPAN 438.

**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS IN  
ENGLISH  
WITH MINOR  
TOTAL CREDITS REQUIRED:122**

CORE CURRICULUM (STANDARD)*		MAJOR (ENGLISH)	OTHER REQUIREMENTS	MINOR
TSU COURSES	TCCNS EQUIVALENT			
42 credits		36 credits	26 credits	18 credits
<b>Communication:</b>		ENG 301 (3)	FS 102 (1)	Contact department of minor for advisement
ENG 131 (3) **	ENGL 1301	ENG 302 (3)	Electives (25)	
ENG 132 (3)	ENGL 1302	ENG 303 (3)		
<b>Mathematics:</b>		ENG 304 (3)		
MATH 132, 133, 134, or 135 ( 3 )	MATH 1332, 1314, 1324 or 2312	ENG 338 (3)		
<b>Life and Physical Sciences:</b>		ENG 430 (3)		
CHEM 131 (3) o r BIOL 143 (3)	CHEM 1311 or BIOL 1308	ENG 432 (3)		
*** (3)		ENG 433 (3)		
<b>Language, Philosophy, and Culture:</b>		ENG 437 (3)		
ENG 230 ( 3 )	ENGL 2332	ENG 440 or 441 (3)		
<b>Creative arts:</b>		Additional upper level ENG electives (6)		
**** (3)				
<b>American History:</b>				
HIST 231 ( 3 )	HIST 1301			
HIS T 232 (3)	HIST 1302			
<b>Government / Political Science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and Behavioral Sciences:</b>				
***** (3)				
<b>Institutional Options:</b>				
SC 135 (3) or SC 136 (3)	SPCH 1321 or 1315			
ENG 231 (3)	ENGL 2333			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Select from CHEM 132, BIOL 135, GEOL 141, PHYS 101, PHYS 237, PHYS 238, PHYS 251 (TCCN CHEM 1312, BIOL 2301, BIOL 1303, PHYS 1315, PHYS 1301, PHYS 1302, PHYS 2325)

\*\*\*\* Select from, MUSI 136, MUSI 239, THEA 130, ART 135 or ART 137 (TCCN MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, HUMA 2323)

\*\*\*\*\* Select from ECON 231, ECON 232, SOC 157, SOC 158, SOC 221, SOC 238, GEOG 132, PSY 131 (TCCN ECON 2301, ECON 2302, SOCI 1301, SOCI 1306, SOCI 2306, ANTH 2346, GEOG 1303, PSYC 2301)

**BACHELOR OF ARTS IN  
ENGLISH  
WITH MINOR  
TOTAL CREDITS:122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 132, MATH 133, MATH 135 or MATH 136	3	MUSI 136, MUSI 239, THEA 130, ART 135 or ART 137	3
	SC 135 Business Professional Communication or SC 136 Public Address	3	CHEM 132, BIOL 135, GEOL 141, PHYS 101, PHYS 237, PHYS 238, or PHYS 251	3
	BIOL 143 Survey of Life Science or CHEM 131 General Chemistry I	3	ECON 231, ECON 232, SOC 157, SOC 158, SOC 221, SOC 228, GEOG 132, or PSY 131	3
	ELECTIVE	3	ELECTIVE	3
	FS 102 Freshman Seminar	1		
	<b>16 Hrs</b>		<b>15 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	ENG 231 World Literature II	3
	HIST 231	3	HIST 232	3
	POLS 235	3	POLS 236	3
	ELECTIVE	3	ELECTIVE	3
	MINOR	3	MINOR	3
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ENG 301 American Writers I	3	ENG 302 Great American Writers II	3
	ENG 303 Great British Writers I	3	ENG 304 Great British Writers II	3
	ENG 338 Writing in the Disciplines	3	ENG 430 History of English Language	3
	MINOR	3	MINOR	3
	ENG 3XX or 4XX Elective	3	ENG 3XX or 4XX Elective	3
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	ENG 432 Capstone Seminar	3	ENG 437 Literary Criticism	3
	ENG 433 Shakespeare & Renaissance Studies	3	ENG 440 or 441 African-American Lit	3
	MINOR	3	MINOR	3
	ELECTIVE	3	ELECTIVE	3
	ELECTIVE	3	ELECTIVE	3
			ELECTIVE	1
	<b>15 Hrs</b>		<b>16 Hrs</b>	

**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS IN  
ENGLISH  
WITH TEACHER CERTIFICATION  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (ENGLISH)	OTHER REQUIREMENTS	CERTIFICATION
TSU COURSES	TCCNS EQUIVALENT			
42 credits		36 credits	17 credits	27 credits
<b>Communication:</b>		ENG 231 (3)	FS 102 (1)	<b>EDCI 310 (3)</b>
ENG 131 (3) **	ENGL 1301	ENG 301 (3)	GEOG 132 (3)	EDCI 328 (3)
ENG 132 (3)	ENGL 1302	ENG 302 (3)	ELECTIVES (13)	EDCI 339 (3)
<b>Mathematics:</b>		ENG 303 (3)		EDCI 340 (3)
MATH 132, 133, 134, or 135 ( 3 )	MATH 1332, 1314, 1324 or 2312	ENG 304 (3)		EDCI 350 (3)
<b>Life and Physical Sciences:</b>		ENG 338 (3)		EDCI 464 (6)
CHEM 131 (3) or BIOL 143 (3)	CHEM 1311 or BIOL 1308	ENG 430 (3)		RDG 400 (3)
Life and Physical Science (3) ***		ENG 432 (3)		RDG 402 (3)
<b>Language, Philosophy, and Culture:</b>		ENG 433 (3)		
ENG 230 ( 3 )	ENGL 2332	ENG 437 (3)		
<b>Creative arts:</b>		ENG 439 (3)		
MUSI 239 (3)	HUMA 1315	<b>ENG 440 or 441 (3)</b>		
<b>American History:</b>				
HIST 231 ( 3 )	HIST 1301			
HIS T 232 (3)	HIST 1302			
<b>Government / Political Science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and Behavioral Sciences:</b>				
PSY 131 (3)	PSYC 2301			
<b>Institutional Options:</b>				
SC 135 (3) or SC 136 (3)	SPCH 1321 or SPCH 1315			
EDCI 210 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Select from CHEM 132, BIOL 135, GEOL 141, PHYS 237, PHYS 238 or PHYS 251 (TCCN CHEM 1312, BIOL 2301, BIOL 1303, PHYS 1315, PHYS 1302, PHYS 2325)



**BACHELOR OF ARTS IN  
ENGLISH  
WITH TEACHER CERTIFICATION  
TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 132, MATH 133, MATH 135 or MATH 136	3	MUSI 239	3
	SC 135 Business Professional Communication or SC 136 Public Address	3	CHEM 132, BIOL 135, GEOL 141, PHYS 101, PHYS 237, PHYS 238, or PHYS 251	3
	BIOL 143 Survey of Life Science or CHEM 131 General Chemistry I	3	GEOG 132	3
	ELECTIVE	3	ELECTIVE	3
	FS 102 Freshman Seminar	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	ENG 231 World Literature II	3
	HIST 231	3	HIST 232	3
	POLS 235	3	POLS 236	3
	ELECTIVE	3	ELECTIVE	3
	PSY 131	3	EDCI 210	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ENG 301 American Writers I	3	ENG 302 Great American Writers II	3
	ENG 303 Great British Writers I	3	ENG 304 Great British Writers II	3
	ENG 338 Writing in the Disciplines	3	ENG 430 History of English Language	3
	ENG 433 Shakespeare & Renaissance Studies	3	EDCI 310 Princi. & Found. of Education	3
	ENG 439 Teaching of English	3	EDCI 339 Classroom Management	3
	RDG 400	3	EDCI 340 Instructional Technology II	3
		<b>18 Hrs</b>		<b>18 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	ENG 432 Capstone Seminar	3	EDCI 464 Directed Student Teaching In High School	6
	ENG 437 Literary Criticism	3	ELECTIVE	1
	ENG 440 or 441 African-American Lit	3		
	EDCI 328 Psy of Learning, Growth/Dev	3		
	EDCI 350 Effective Instructional Strat.	3		
	RDG 402	3		
		<b>18 Hrs</b>		<b>7 Hrs</b>

**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS IN  
ENGLISH  
WITH PROFESSIONAL WRITING CONCENTRATION TOTAL  
CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (ENGLISH)	OTHER REQUIREMENTS	CONCENTRATION
TSU COURSES	TCCNS EQUIVALENT			
42 credits		36 credits	26 credits	18 credits
<b>Communication:</b>		ENG 301 (3)	FS 102 (1)	<b>Professional Writing Concentration</b> 6 Creative and/or Technical Writing Courses:
ENG 131 (3) **	ENGL 1301	ENG 302 (3)	Elective Courses (25)	
ENG 132 (3)	ENGL 1302	ENG 303 (3)		ENG 320 (3) Required of Creative concentration
<b>Mathematics:</b>		ENG 304 (3)		ENG 347 (3)
MATH 132, 133, 134, or 135 ( 3 )	MATH 1332, 1314, 1324 or 2312	ENG 338 (3)		ENG 350 (3)
<b>Life and Physical Sciences:</b>		ENG 430 (3)		ENG 351(3)
CHEM 131 (3) or BIOL 143 (3)	CHEM 1311 or BIOL 1308	ENG 432 (3)		ENG 352 (3)
*** (3)		ENG 433 (3)		ENG 412 (3)
<b>Language, Philosophy, and Culture:</b>		ENG 437 (3)		ENG 452 (3)
ENG 230 ( 3 )	ENGL 2332	ENG 440 or 441 (3)		ENG 468 (3)
<b>Creative arts:</b>		Additional Upper Level ENG credits (6)		ENG 480 (3)
**** (3)				
<b>American History:</b>				
HIST 231 ( 3 )	HIST 1301			
HIS T 232 (3)	HIST 1302			
<b>Government / Political Science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and Behavioral Sciences:</b>				
***** (3)				
<b>Institutional Options:</b>				
SC 135 (3) or SC 136 (3)	SPCH 1321 or SPCH 1315			
ENG 231 (3)	ENGL 2333			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Select from CHEM 132, BIOL 135, GEOL 141, PHYS 101, PHYS 237, PHYS 238, PHYS 251 (TCCN CHEM 1312, BIOL 2301, BIOL 1303, PHYS 1315, PHYS 1301, PHYS 1302, PHYS 2325)

\*\*\*\* Select from, MUSI 136, MUSI 239, THEA 130, ART 135 or ART 137 (TCCN MUSI 1301, MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, HUMA 2323)

\*\*\*\*\* Select from ECON 231, ECON 232, SOC 157, SOC 158, SOC 221, SOC 238, GEOG 132, PSY 131 (TCCN ECON 2301, ECON 2302, SOCI 1301, SOCI 1306, SOCI 2306, ANTH 2346, GEOG 1303, PSYC 2301)

**BACHELOR OF ARTS  
IN ENGLISH  
WITH PROFESSIONAL WRITING CONCENTRATION  
TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 132, MATH 133, MATH 135 or MATH 136	3	MUSI 136, MUSI 239, THEA 130, ART 135 or ART 137	3
	SC 135 Business Professional Communication or SC 136 Public Address	3	CHEM 132, BIOL 135, GEOL 141, PHYS 101, PHYS 237, PHYS 238, or PHYS 251	3
	BIOL 143 Survey of Life Science or CHEM 131 General Chemistry I	3	ECON 231, ECON 232, SOC 157, SOC 158, SOC 221, SOC 228, GEOG 132, or PSY 131	3
	ELECTIVE	3	ELECTIVE	3
	FS 102 Freshman Seminar	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 World Literature I	3	ENG 231 World Literature II	3
	HIST 231	3	HIST 232	3
	POLS 235	3	POLS 236	3
	ELECTIVE	3	ELECTIVE	3
	ELECTIVE	3	ELECTIVE	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ENG 301 American Writers I	3	ENG 302 Great American Writers II	3
	ENG 303 Great British Writers I	3	ENG 304 Great British Writers II	3
	ENG 338 Writing in the Disciplines	3	ENG 430 History of English Language	3
	CONCENTRATION	3	CONCENTRATION	3
	ENG 3XX or 4XX Elective	3	ENG 3XX or 4XX Elective	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	ENG 432 Capstone Seminar	3	ENG 437 Literary Criticism	3
	ENG 433 Shakespeare & Renaissance Studies	3	ENG 440 or 441 African-American Lit	3
	CONCENTRATION	3	CONCENTRATION	3
	CONCENTRATION	3	CONCENTRATION	3
	ELECTIVE	3	ELECTIVE	3
		<b>15 Hrs</b>	ELECTIVE	1
			<b>16 Hrs</b>	

## DEPARTMENT OF FOREIGN LANGUAGES

The Department of Foreign Languages promotes global awareness and intercultural understanding by providing instruction in various languages. We prepare majors and minors to function effectively in a foreign language by offering courses in literature, culture, linguistics, and language for professional purposes. Students will not only develop their communicative skills, but they will also perform critical thinking and analysis, which will make them true citizens of the world.

The Department of Foreign Languages offers courses leading towards the **Bachelor of Arts Degree (B.A.) in Spanish**, and **Minor in French and Spanish**. Chinese classes are also available as electives and are taught by Instructors appointed by the Confucius Institute located in MLK 302.

In selecting a major in Spanish or minor in French or Spanish, students must register in the Department of Foreign Languages and seek advisement from departmental advisors. For the baccalaureate or undergraduate degree, students must satisfactorily complete a minimum of 120 semester hours for the B.A. Degree in Spanish. Students majoring in Spanish are required to declare a minor. **Grades of “C” or better are required in all courses dedicated to either the Major Requirements or the Minor Requirements. Transfer students may substitute FS 102 with any college level course to complete the total credit hours required for graduation by their degree plan.**

To be eligible for graduation as a French minor or Spanish major or minor, students must follow a program of specific course requirements. Course requirements for the major and minor programs are summarized as follows:

**For the Major in Spanish, 120 semester hours are required.** Students must take a total of thirteen (13) three-credit courses in Spanish. Students must take sequentially: SPAN 131, SPAN 132, SPAN 231, and SPAN 232. After taking SPAN 331 and SPAN 332, they will have to take six more courses from the following list: SPAN 305, SPAN 333, SPAN 334, SPAN 335, SPAN 336, SPAN 438, SPAN 439, SPAN 441, and SPAN 444. All Spanish majors are required to take SPAN 445.

**For the minor in French, 21 semester credit hours are required**, including FR 132, FR 231, FR 232 (or FR 142, FR 241, FR 242), FR 331, and three courses from the following: FR 335, FR 336, FR 347, FR 348, FR 432, FR 438, and FR 439.

**For the Minor in Spanish, 21 semester hours are required** including SPAN 132, SPAN 231, SPAN 232, SPAN 331, SPAN 332 and at least two courses from the following: SPAN 333, SPAN 334, SPAN 335, SPAN 336, SPAN 438, SPAN 439, SPAN 441, SPAN 444, and SPAN 445.

The Department of Foreign Languages is located on the third floor of Martin Luther King Center. Questions may be directed to Dr. Caussin, Interim Chair, (713)-313-7650, [caussinm@tsu.edu](mailto:caussinm@tsu.edu) or Ms. Williams, Administrative Assistant, (713)-313-7916, [williamsl@tsu.edu](mailto:williamsl@tsu.edu).

Department website: <http://www.tsu.edu/academics/colleges-and-schools/colabs/foreign-languages/>

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Caussinus, Marylise</b>  <b>Associate Professor of French, Interim Chair</b>          B.A., M.A., La Sorbonne, Paris          Ph.D., University of Louisiana at Lafayette</p>	<p><b>Garcia, Maria del Carmen</b>  <b>Associate Professor of Spanish</b>          B.A., M.A., University of Texas at Brownsville          Ph.D., University of Houston</p>
<p><b>Gellon, Sofia</b>  <b>Visiting Instructor of Spanish</b>          M.A, Ph. D., University of Houston</p>	<p><b>Sanchez Garza, Deyanira</b>  <b>Visiting Instructor of Spanish</b>          B.A. Universidad Autónoma de Nuevo León          M.A. Universidad Iberoamericana</p>
	<p><b>Sun, Haiqing</b>  <b>Professor of Spanish</b>          B.A., M.A., Peking University, Beijing          Ph.D., University of Southern California</p>

(Note: Adjunct Faculty and Visiting Scholars will be listed on the department website under the College of Liberal Arts and Behavioral Sciences.)



reading and writing. Emphasis will be placed on the vocabulary, cultural knowledge, and linguistic skills and tools that a student needs in order to work and succeed in an international French-speaking environment. Preparation of the DFP Affaires (Business French Certificate), level B2 or C1 (Intermediate/ Advanced) granted by the Paris International Chamber of Commerce (CCIP). Practical Alternative to FR 231 (Intermediate French I). Three hours of lecture per week. Prerequisites: FR 141 and FR 142 or FR 131 and FR 132.

- FR 242**                      **Intermediate Business French II**                      **(3)**  
Continuation of French 241. Students will have the option to take the DFP Affaires B2 or C1 upon completion of the FR 242 course. Practical alternative to FR 232. (Elementary French II). Three hours of lecture per week. Pre-requisite: FR 241.
- FR 331**                      **French Review of Grammar and Composition**                      **(3)**  
Review of French grammar with emphasis on the more difficult structures and idioms. Concurrent practice in conversation and diction provided. Conducted in both English and French. Three hours of lecture per week. Prerequisites: FR 232 or FR 242, or consent of the instructor.
- FR 335**                      **Scientific French**                      **(3)**  
Individualized readings in the physical, natural, and social sciences to familiarize students with the specialized vocabulary of their field in translating from French to English Three hours of lecture per week. Prerequisites: FR 232 or FR 242, or consent of the instructor.
- FR 336**                      **African Francophone Literature**  
Survey of major works of African Francophone writers from the French colonization to post-independent times. Conducted in both English and French. Three hours of lecture per week. Prerequisites: FR 232 or FR 242, or consent of the instructor.
- FR 347**                      **Contemporary France I**                      **(3)**  
Study of French institutions and movements since the beginning of the twentieth century, including transportation, politics, education, geography, industrialization, social classes, world wars, and fine arts. Conducted in both English and French. Three hours of lecture per week. Prerequisites: FR 232 or FR 242, or consent of the instructor.
- FR 348**                      **Contemporary Francophone Film**  
Analysis of contemporary Francophone movies and comparison of Francophone cultures through film. Conducted in both English and French. Three hours of lecture per week. Prerequisites: FR 232 or FR 242, or consent of the instructor.
- FR 432**                      **Business French**                      **(3)**  
Designed to present specialized vocabulary, methods, and techniques pertaining to how to conduct French business, to enable students to prepare business documents and letters. Conducted in both English and French. Three hours of lecture per week. Prerequisites: FR 232 or FR 242, or consent of the instructor.
- FR 438**                      **Directed Study**                      **(3)**  
Study of a single topic, particular work, or author under the direction of a faculty member.. May be retaken for credit. Prerequisites: FR 232 or FR 242, or consent of the instructor.
- FR 439**                      **French Influence in Africa**                      **(3)**  
Study of the importance of the French presence in French-speaking African countries utilizing critical and analytical approaches that will allow students to acquire an understanding of the language and culture of contemporary French Africa. Three hours of lecture per week. Prerequisites: FR 232 or FR 242, or consent of the instructor.

## SPANISH COURSES

- SPAN 131**                      **Elementary Spanish I**                      **(3)**  
Fundamentals of Spanish pronunciation and grammar along with intensive listening/speaking

and reading/writing skills development. Three hours of lecture per week. **Listed as SPAN 1311 in the Texas Common Course Numbering System.**

- SPAN 132 Elementary Spanish II (3)**  
Continuation of SPAN 131. Three hours of lecture per week. Prerequisite: SPAN 131. **Listed as SPAN 1312 in the Texas Common Course Numbering System.**
- SPAN 231 Intermediate Spanish I (3)**  
Application of grammar; elementary composition; media-aided listening and reading proficiency; focused development of aural-oral skills. Two hours of lecture and one hour of laboratory per week. Prerequisites: SPAN 131 and SPAN 132 or the equivalent. **Listed as SPAN 2311 in the Texas Common Course Numbering System.**
- SPAN 232 Intermediate Spanish II (3)**  
Analysis of grammar; translation; media-aided listening and reading proficiency; focused development of aural-oral skills. Two hours of lecture and one hour of laboratory per week. Prerequisite: SPAN 231. **Listed as SPAN 2312 in the Texas Common Course Numbering System.**
- SPAN 305 Study of Hispanic Film (3)**  
Critical examination of films by directors in the Hispanic world, focusing on presentation of Hispanic culture, history and society through the lens of cinema. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 331 Review of Grammar and Composition (3)**  
Intensive training in reading comprehension, grammar, and writing. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 231 and SPAN 232.
- SPAN 332 Conversation and Diction (3)**  
Communication practice designed to develop a superior level of oral proficiency. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 231 and SPAN 232.
- SPAN 333 Introduction to Spanish Literature I (3)**  
Survey of representing works of Spanish literature from the Middle Ages through the Golden Age. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 334 Introduction to Spanish Literature II (3)**  
Survey of major works of Spanish literature from the Neoclassical period to the present. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 335 Introduction to Latin American Literature I (3)**  
Survey of major works of Latin American writers from colonial times to the beginning of the Mexican Revolution. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 336 Introduction to Latin American Literature II (3)**  
Survey of major works of Latin American writers of the 20<sup>th</sup> century. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 428 Spanish for Pharmacy and Health Science (3)**  
Study of vocabulary, terms, expressions and communication in Spanish for pharmacy and medical/health science professionals. Conducted in Spanish and English. Three hours of lecture and one hour of lab per week.



- SPAN 438**                      **Masterpieces of Hispanic Theatre**                      **(3)**  
Study of selected dramas in modern theatre, focusing on the masterpieces of the twentieth century. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 439**                      **Culture and Civilization of Latin America**                      **(3)**  
Survey of the culture and the civilization of the Hispanic American world from prehistoric times to the modern era. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 441**                      **Culture and Civilization of Spain**                      **(3)**  
Survey of the culture and the civilization of Spain from prehistoric times to the modern era. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 444**                      **Masterpieces of Hispanic Literature**                      **(3)**  
Study of representative works from the Spanish-speaking nations and communities within the United States. Conducted in Spanish. Three hours of lecture per week. Prerequisites: SPAN 331 and SPAN 332.
- SPAN 445**                      **Directed Study**                      **(3)**  
Research of special topic in Hispanic study, or particular works or authors, under the direction of a faculty advisor. Prior approval for enrollment needed from the Faculty Chair. May be retaken for credit. Prerequisite: Senior standing as a Spanish major or minor and consent of both the Faculty Chair and instructor.

**CURRICULUM SUMMARY FOR THE BACHELOR  
OF ARTS IN SPANISH  
TOTAL CREDITS  
REQUIRED:120**

CORE CURRICULUM (STANDARD)		MAJOR (SPANISH)	OTHER REQUIREMENTS	MINOR
TSU COURSES	TCCNS EQUIVALENT			
42 credits		39 credits	18 credits	21 credits
<b>Communication:</b>		SPAN 131 (3)	FS 102 (1)	<b>Contact</b>
ENG 131 (3)	ENGL 1301	SPAN 132 (3)	ENG 231 or higher (3)	Department
ENG 132 (3)	ENGL 1302	SPAN 231 (3)	FR 131 (3)	For Minor
<b>Mathematics:</b>		SPAN 232 (3)	FR 132 (3)	Requirements
MATH 132, 133, 134, or 135 ( 3 )	MATH 1332, 1314, 1324 or 2312	SPAN 331 (3)	Electives (8)	
<b>Life and Physical Sciences:</b>		SPAN 332 (3)		
CHEM 131 (3) or BIOL 143 (3)	CHEM 1311 or BIOL 1308			
<b>Plus</b> CHEM 132 (3) or BIOL 135 (3) or GEOL 141 (3) or PHYS 101 (3) or PHYS 237 (3) or PHYS 238 (3) or PHYS 251 (3)	CHEM 132 (3) or BIOL 135 (3) or GEOL 141 (3) or PHYS 101 (3) or PHYS 237 (3) or PHYS 238 (3) or PHYS 251 (3)	<b>6 courses (18) from the following 9:</b> SPAN 305 (3) SPAN 333 (3) SPAN 334 (3) SPAN 335 (3) SPAN 336 (3) SPAN 438 (3) SPAN 439 (3) SPAN 441 (3) SPAN 444 (3)		
		<b>Plus</b>		
<b>Language, Philosophy, and Culture:</b>		SPAN 445 (3)		
ENG 230 (3) or ENG 231 (3) or ENG 235 (3) or ENG 244 (3)	ENG 2301 or ENG 2333 or ENG 2328 or ENG 2326			
<b>Creative arts:</b>				
MUSI 136 (3) or MUSI 239 (3) or THEA 130 (3) or ART 135 (3) or ART 137 (3)	MUSI 1306 or HUMA 1315 or DRAM 1310 or ARTS 1301 or HUMA 2323			
<b>American History:</b>				
HIST 231 ( 3 )	HIST 1301			
HIS T 232 (3)	HIST 1302			
<b>Government / Political Science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and Behavioral Sciences:</b>				
ECON 231 (3) or ECON 232 (3) or SOC 157 (3) or SOC 158 (3) or SOC 221 (3) or SOC 238 (3) or GEOG 132 (3) or PSY 131 (3)	ECON 2301/ ECON 2302 SOCI 1301/ SOCI 1306 SOCI 2306/ ANTH 2346 GEOG 1303/ PSYC 2301			
<b>Institutional Options:</b>				
SC 135 (3) or SC 136 (3)	SPCH 1321 or 1315			
<b>And:</b> Either one Computer Science: CS 116 (3) or MIS 204 (3) (School of Business) or EDCI 2310 (3) (School of Education)  Or, one additional course from the Math, Science, English, Fine Arts, or Social Science courses listed above.	COSC 1301/ BCIS 1305			

## MINOR PROGRAM

### For the minor in French

**21 semester credit hours are required including** FR 132, FR 231, FR 232, (or FR 142, FR 241, FR 242), FR 331, and three courses from the following: FR 335, FR 347, FR 432, FR 438, and FR 439.

<b>MINOR IN FRENCH (21 credits)</b>	
<b>Required courses</b>	
FR 132 (3) or FR 142 (3)	
FR 231 (3) or FR 241 (3)	
FR 232 (3) or FR 242 (3)	
FR 331 (3)	
<b>Take 3 courses from the following:</b>	
FR 335 (3)	
FR 336 (3)	
FR 347 (3)	
FR 348 (3)	
FR 432 (3)	
FR 438 (3)	
FR 439 (3)	

### For the minor in Spanish

**21 semester hours are required** SPAN 132, SPAN231, SPAN232, SPAN331, SPAN332, and at least two courses from the following: SPAN333, SPAN334, SPAN335, SPAN336, SPAN438, SPAN439, SPAN441, SPAN444, SPAN445

<b>MINOR IN SPANISH (21 credits)</b>	
<b>Required courses</b>	
SPAN 132 (3)	
SPAN 231 (3)	
SPAN 232 (3)	
SPAN 331 (3)	
SPAN 332 (3)	
<b>Take at least 2 courses from the following:</b>	
SPAN305 (3)	
SPAN 333 (3)	
SPAN 334 (3)	
SPAN 335 (3)	
SPAN 336 (3)	
SPAN 438 (3)	
SPAN439 (3)	
SPAN 441 (3)	
SPAN 444 (3)	
SPAN 445 (3)	

**BACHELOR OF ARTS IN  
SPANISH**

**TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 132, MATH 133, MATH 135, or MATH 136	3	MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137	3
	BIOL 143 or CHEM 131	3	CHEM 132, BIOL 135, GEOL 141, PHYS 101, PHYS 237, PHYS 238, or PHYS 251	3
	SC 135 or SC 136	3	ECON 231, ECON 232, SOC 157, SOC 158, SOC 221, GEOG 132, or PSY 131	3
	SPAN 131 Elementary Spanish I	3	SPAN 132 Elementary Spanish II	3
	FS 102 Freshman Seminar	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HIST 231 Social and Political History of the United States to 1877	3	HIST 232 Social and Political History of the United States since 1877	3
	ENG 230 or ENG 231 World Literature I or II	3	CS 116 Intro to Computer Science I	3
	SPAN 231 Intermediate Spanish I	3	SPAN 232 Intermediate Spanish II	3
	Minor	3	Minor	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	SPAN 331 Review of Grammar and Composition	3	SPAN 332 Conversation and Diction	3
	Elective	3	SPAN Elective	3
	FR 131 Elementary French I	3	College Level Elective	2
	College Level Elective	3	FR 132 Elementary French II	3
	Minor	3	ENG 231 or higher	3
		<b>15 Hrs</b>		<b>14 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Minor	3	Minor	3
	Minor	3	Minor	3
	SPAN Elective	3	SPAN Elective	3
	SPAN Elective	3	SPAN Elective	3
	SPAN Elective	3	SPAN 445 Directed Study	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

## DEPARTMENT OF HISTORY AND GEOGRAPHY

The Department of History and Geography is responsible for the instruction of courses in History (HIST), Geography (GEOG), and Economics (ECON). The Department offers two undergraduate degrees, Bachelor of Arts (B.A.) in History and Bachelor of Arts (B.A.) in General Studies, and one graduate degree, Master of Arts (M.A.) in History. The Department offers five minors: History, Geography, African Studies, African American Studies, and Women's Studies. Department faculty are housed on the third floor of the Public Affairs Building, with the Department Office located in Room 305B. For detailed information on the Master of Arts in History, students should consult the Graduate School Bulletin of Texas Southern University. The Department houses three distinct academic disciplines, History, Geography, and Economics, and the degree program in General Studies. It also offers core curriculum courses in History, Geography, and Economics. Through the program of study in History, the Department is committed to providing students with modern research skills and computer skills that are appropriate to the discipline and to their chosen careers. On a more abstract level, it is the goal of the Department to increase students' awareness of the nature of history and the historical process, as well as to expand their knowledge of world history and American history while emphasizing the role of African Americans and other minorities. Through course offerings and the minor available in Geography, students are introduced to the environmental, cultural, and human aspects of the world and its various regions. In addition, they develop skills, through hands-on training, in areas such as cartography and geographic information systems. The Economics component offers the two core courses in economics, which provide students with a broad understanding of the working of economic systems. The Bachelor of Arts in General Studies offers a broad interdisciplinary program that can be tailored to match a wide variety of educational and professional goals of students. Those pursuing a B.A. in General Studies are strongly encouraged to consult with an advisor to formulate a coherent and professionally practical program for this major. The General Studies curriculum is divided into four areas: 1) The core curriculum, which requires 42 credit hours; 2) The major, which is composed of 30 credit hours of required courses; 3) The elective area, which requires 24 credit hours, 3 of which must be 300 or 400 level courses; 4) The concentration within the General Studies major, which is agreed upon by the student and advisor, requiring 24 credit hours (which may be taken in more than one department), 18 of which must be at the 300 and 400 level.

In pursuing the Bachelor of Arts (B.A.) in History, students (as first-time degree seekers) are required to declare a minor in a second academic discipline. Details of the curriculum are found on the following pages. The Academic Standards and Academic Requirements state that students majoring in history must earn a grade of "C" or better (grades of "C-" are not acceptable) in all courses specified as either major courses, other required courses, as well as all courses for their minor unless otherwise stated below. An exit examination is also required of graduating seniors in history, and all history majors must complete HIST 420 during their senior year. In addition, students seeking the B.A. degree in History must officially declare their minor area and they are required to obtain detailed advisement from an advisor in their minor area. The selection of a minor may duplicate some courses required for the History major, and impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours.

Students majoring in General Studies must obtain a grade of "C" or better (grades of "C-" are not acceptable) in all major and concentration courses. Students wishing to pursue one of the two undergraduate degrees or one of the five minors offered through the Department must do the following: 1) first gain admission to the University; 2) satisfy Texas Success Initiative (TSI) requirements or equivalent with the University's TSI Testing Coordinator; and 3) petition the Department for admission when TSI requirements are completed. Once admitted, students are assigned an official faculty advisor who must be consulted each semester prior to registration. Students are also expected to keep the Department Office apprised of changes in addresses and telephone numbers.

Individuals interested in seeking certification for teaching in the public schools of Texas in academic disciplines offered through this unit should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions.

**Transfer students may substitute FS 102 with any college level course to complete the total credit hours required for graduation by their degree plan.**

For the minor in History, 21 semester credit hours are required, including the six hours required by the core and an additional 15 hours which must include two courses in world history and 9 hours at the 300-level or 400-level. The four required courses are as follows: HIST 131, HIST 132, HIST 231, and HIST 232.

For the minor in Geography, 21 semester credit hours are required, including GEOG 132 and 18 additional credit hours in Geography. At least 9 credit hours must be at the 300 or 400 level.

For the minor in African Studies, students must take 21 semester credit hours selected from the list below. Of the 21 hours students must take: AFS 132 Introduction to African Studies, ART 137 Introduction to African Art, and three hours of a foreign language, either in French or an African language. The remaining twelve credits must be chosen from among ART 135, ECON

443, ENG 243, FR 439, GEOG 132, GEOG 430, HIST 345, HIST 381, HIST 382, HIST 421, HIST 481, POLS 360, POLS 361, SC 432, SOC 238, or SOC 335. Courses used to fulfill minor requirements in African Studies cannot be simultaneously used to fulfill a major requirement.

For the minor in African American Studies, 21 semester credit hours are required through enrollment in three (3) three-credit courses and nine (9) additional credits at the 200-level or above. The three required courses are: HIST 321, ENG 244, and POLS 410. The remaining twelve credits may be selected from the following courses: HIST 322, HIST 381, HIST 382, HIST 478, HIST 481, SOC 254, SOC 335, ENG 243, ENG 440, ENG 441, POLS 412, ART 137, ART 139, THC 339, and SC 436. Courses used to fulfill minor requirements in African American Studies cannot be simultaneously used to fulfill a major requirement.

For the minor in Women's Studies, 21 semester credit hours are required through enrollment in four (4) three-credit courses and nine (9) additional credits at the 200-level or above. The required courses are as follows: ENG 339 Women's Literature; HIST 349 Women's History; SOC 460 Women in Society; and POLS 440 Seminar on Women's Political Issues. The remaining nine credits may be selected from courses that focus on women, including but not limited to SOC 221 Sociology of Human Sexuality; HIST 348 Women and Empire; SOCW 333 Violence and Abuse in Families. Prerequisites: Completion of all required ENG 131, ENG 132, and 200-level core curriculum requirement. Courses used to fulfill minor requirements in Women's Studies cannot be simultaneously used to fulfill a major requirement.

In summary, students must gain admission to the University, must satisfy Texas Success Initiative (TSI) requirements or equivalent, and must petition the Department for major or minor status upon completion of TSI requirements. Each student admitted is assigned an official advisor, and students interested in certification for teaching in the public schools of Texas should contact the Teacher Certification Officer in the College of Education. An exit examination is required of graduating seniors. Further information may be obtained by contacting the Department Office at (713) 313-7794.

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Brown, Kimberley</b>  Assistant Professor  B.A. Florida A&amp;M University  M.A., Ph.D. Howard University</p>	<p><b>Maddox, Gregory H.</b>  <b>Professor</b>  B.A., University of Virginia  Ph.D., Northwestern University</p>
<p><b>Chaudhuri, Nupur</b>  <b>Professor</b>  B.A., University of Calcutta  M.A.T., Smith College  M.A., Ph.D., Kansas State University</p>	<p><b>Parekh, Trushna</b>  <b>Associate Professor</b>  B.A., University of California, Berkeley  M.A., Louisiana State University  Ph.D., University of Texas at Austin</p>
<p><b>Esparza, Jesse</b>  Assistant Professor  B.A., M.Ed., Southwest Texas State University  Ph.D., University of Houston</p>	<p><b>Pitre, Merline</b>  <b>Professor</b>  B.S., Southern University  M.A., Atlanta University  M.A., Ph.D., Temple University</p>
<p><b>Hart, Roger</b>  <b>Professor</b>  B.S., Massachusetts Institute of Technology  M.S., Stanford  M.A., Ph.D., University of California, Los Angeles</p>	<p><b>Wintz, Cary D.</b>  Interim Chair and Distinguished Professor  B.A. Rice University  M.A., Ph.D. Kansas State University</p>
<p><b>Kossie-Chernyshev, Karen L.</b>  <b>Professor</b>  B.A., M.A., Rice University  M.A., Michigan State University  Ph.D., Rice University</p>	





<b>HIST 341</b>	<b>Latin American History since 1500</b>	<b>(3)</b>
	Examines the history of Latin America from the European conquest in the sixteenth century to the present. Emphasizes the formation of society and the economy in the colonial era, the changes set in motion by independence in the nineteenth century, and the implications of industrialization in the twentieth century. Three hours of lecture per week.	
<b>HIST 342</b>	<b>History of Mexico</b>	<b>(3)</b>
	Explores the history of Mexico from the Spanish conquest in the sixteenth century to the present. Emphasizes the development of Mexico since independence. Particular attention is devoted to the evolving relationship between Mexico and the United States. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 343</b>	<b>History of Brazil</b>	<b>(3)</b>
	Explores the history of Brazil from the onset of Portuguese colonization in the sixteenth century to the present. Emphasizes the significance of slavery in Brazil's development through the end of the nineteenth century, and the transformation of Brazil into a multiracial industrialized democracy in the twentieth century. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 344</b>	<b>Constitutional History of the United States to 1877</b>	<b>(3)</b>
	An examination of legal constitutional problems and issues in American history. Three hours of lecture per week.	
<b>HIST 348</b>	<b>Women and Empire</b>	<b>(3)</b>
	Examination of the history of gender, sexuality, and racial and national identity. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 349</b>	<b>Women's History</b>	<b>(3)</b>
	Survey of the history of women in the United States from the colonial period to the present. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 371</b>	<b>Texas History</b>	<b>(3)</b>
	History of Texas from prehistoric times to the present. Special attention focused on the role of Texas as a crossroad between Anglo and Latin America. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 381</b>	<b>African Civilizations to 1800</b>	<b>(3)</b>
	Introduction to the rise of African civilizations from the first African civilization in Egypt through the period of the Atlantic slave trade. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 382</b>	<b>African Civilizations since 1800</b>	<b>(3)</b>
	Continuation of HIST 381. Examines the integration of African societies into the world economy and the responses of Africans to that integration. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 410</b>	<b>Archival Methods and Records Management</b>	<b>(3)</b>
	Examination of the evolution of record collection and preservation in modern times. Students work directly with historical records. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 420</b>	<b>Capstone Seminar</b>	<b>(3)</b>
	Directed reading course that may be repeated for up to six hours credit as topics vary. Open to senior History majors and minors and required of majors. Students must undertake an independent research project leading to the production of an article-length senior thesis. Three hours of lecture per week. Prerequisites: HIST 131, HIST 132, HIST 231, and HIST 232.	

<b>HIST 421</b>	<b>Topics in African Diaspora</b>	<b>(3)</b>
	Directed readings course that may be repeated for up to six hours credit as topics vary. Topics examine the history of the peoples of the African Diaspora. Three hours of lecture per week.	
<b>HIST 430</b>	<b>Topics in History</b>	<b>(3)</b>
	Intensive study with reading and discussion of special topics in United States, African American, and world history. Special attention will be focused on selected national and international topics. Three hours of lecture per week. May be repeated for up to nine hours credit as topics vary. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 432</b>	<b>Topics in World History</b>	<b>(3)</b>
	Directed readings course that may be repeated for up to six hours credit as topics vary. Topics examine themes in the history of societies and cultures throughout the world. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 434</b>	<b>Topics in Latin American History</b>	<b>(3)</b>
	General study of the origins of the peoples, cultures, and politics of Latin America with special emphasis on the problems of colonialism, imperialism, and hemispheric solidarity. Prerequisites: HIST 231 and HIST 232. May be repeated for up to six hours credit as topics vary.	
<b>HIST 438</b>	<b>History of the South</b>	<b>(3)</b>
	Examination of the South, including Houston during and after slavery with particular emphasis on race relations as well as cultural and economic development. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 439</b>	<b>The United States since 1945</b>	<b>(3)</b>
	Examination of the rapid social and political changes experienced by the United States since World War II with particular attention given to America's involvement in foreign affairs. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 447</b>	<b>Modern African American History</b>	<b>(3)</b>
	Examination of the background and events of the struggle for legal, political, and economic equality by African Americans up to the present day. Three hours of lecture per week. May be repeated for up to six hours credit as topics vary. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 451</b>	<b>Mexican American History</b>	<b>(3)</b>
	Examination of the Mexican-American people with special emphasis on Texas and the Southwest. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 471</b>	<b>The American Revolution</b>	<b>(3)</b>
	Examination of the political, social, and cultural developments between 1763 and 1789 that culminated in a war for independence and the adoption of the U. S. Constitution. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 478</b>	<b>Slavery</b>	<b>(3)</b>
	Examination of the political, social, economic, and cultural impact of slavery on the Western world. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	
<b>HIST 479</b>	<b>Urban History of the United States</b>	<b>(3)</b>
	Examination of the process of urbanization in American history with special emphasis on the role of ethnic minorities, Blacks, and Browns, in an urban nation. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.	

**HIST 481**                      **Topics in African History**                      **(3)**  
Series of specialized topics in African history. Topics include ancient African kingdoms, history of South Africa, and the Atlantic slave trade. May be repeated for up to six hours credit as topics vary. Three hours of lecture per week. Prerequisites: HIST 231 and HIST 232.

### **AFRICAN STUDIES COURSE**

**AFS 132**                      **Introduction to African Studies**                      **(3)**  
This course is a multi-disciplinary course designed to give students a broad overview of African history, culture, economics, and art. Three hours of lecture per week.

**ECON 231**                      **Principles of Economics I**                      **(3)**  
An analysis of the economy as a whole including measurement and determination of aggregate demand and aggregate supply, national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, fiscal policy and monetary policy. Three hours of lecture per week. Prerequisites: Six credits of college level math. Listed as ECON 2301 in the Texas Common Course Numbering System.

**ECON 232**                      **Principles of Economics II**                      **(3)**  
Analysis of the behavior of individual economic agents, including consumer behavior and demand, producer behavior and supply, pricing output decisions by firms under various market structures, factor markets, market failures, and international trade. Three hours of lecture per week. Prerequisites: Six hours of college level math. Listed as Econ 2302 in the Texas Common Course Numbering System.

### **GEOGRAPHY COURSES**

**GEOG 132**                      **World Regional Geography**                      **(3)**  
Surveys world regions in terms of the physical, historical, economic, cultural, and political systems that produce characteristics and patterns unique to each region, as well as the connections and commonalities between regions. The course provides students with the foundations and framework for developing a geographic understanding of the world. Three hours of lecture per week. **Listed as GEOG 1303 in the Texas Common Course Numbering System.**

**GEOG 231**                      **Geography of North America**                      **(3)**  
Geographical analysis of the nations of North America. Relationships among natural resources, social structure, and economic structure and development discussed. Three hours of lecture per week.

**GEOG 232**                      **Population Geography**                      **(3)**  
Designed to demonstrate how spatial variations in the distribution, composition, migration, and growth of populations are related to spatial variations in the nature of places. Three hours of lecture per week.

**GEOG 234**                      **Cities of the World**                      **(3)**  
This course provides an interdisciplinary introduction to the city in the context of contemporary globalization. Analysis of urban patterns and processes through the theoretical perspectives of various disciplines and methodologies. Three hours of lecture per week.

**GEOG 330**                      **Introduction to Cartography**                      **(3)**



**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS DEGREE  
IN HISTORY TOTAL CREDITS REQUIRED:122**

CORE CURRICULUM (STANDARD)*		MAJOR (HISTORY)	OTHER REQUIREMENTS	MINOR
TSU COURSES	TCCNS EQUIVALENT			
42 credits		30 credits	29 credits	21 credits
<b>Communication:</b>		HIS T 131 (3)	FS 102 (1)	<b>Contact department of minor for advisement</b>
ENG 131 (3) **	ENGL 1301	HIS T 132 (3)		
ENG 132 (3)	ENGL 1302	HIS T 331 (3) OR HIST 332 (3)	ENG 23x (3)	
<b>Mathematics:</b>		HIS T 420 (3)	HIST 281 (3)	
MATH 132 (3) or MATH 133 *** ( 3 )	MATH 1332 or MATH 1314		Electives (22) ^	
<b>Life and Physical Sciences:</b>				
BIOL 143 (3)	BIOL 1308	HIST ELECTIVE: NON WESTERN HISTORY (3)		
GEOL 141 (3)	GEOL 1303	HIST ELECTIVES (15)		
<b>Language, Philosophy, and Culture:</b>				
ENG 2xx (3) ****	ENGL 2xxx			
<b>Creative arts:</b>				
**** (3)				
<b>American History:</b>				
HIST 231 ( 3 )	HIST 1301			
HIS T 232 (3)	HIST 1302			
<b>Government / Political Science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and Behavioral Sciences:</b>				
***** (3)				
<b>Institutional Options:</b>				
SC 135 (3) or SC 136 (3)	SPCH 1321 or 1315			
***** (3)				

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents credit hours.

\*\*\* Students considering graduate school are strongly encouraged to take College Algebra (MATH 133).

\*\*\*\*Select one of the following: ENG 230, ENG 231, ENG 235, or ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENG 2326, or ENGL 2326)

\*\*\*\*\* Select 3 SCH from one of the following Creative Arts options: MUSI 136, MUSI 239, ART 135, AR T137, or THEA 130.

\*\*\*\*\* Select one of the following: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231, ECON 232, GEOG 132 (TCCNS: PSYC 2301, SOCI 1301, SOCI 1306, SOCI 2306, ANTH 2346,GEOG 1303, ECON 2301, ECON 2302)

SOCI 2306, SOCI 2306, ANTH 2346, ECON 1301, ECON 2301, or GEOG 1303)

\*\*\*\*\* Institutional Options: One additional class from the TSU approved Core Curriculum options in Social and Behavioral Sciences, Creative Arts, Life and Physical Sciences, or Mathematics.

**BACHELOR OF ARTS DEGREE IN  
HISTORY TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	SC 135 or 136	3	MATH 132 or 133	3
	BIOL 143	3	GEOL 141	3
	Creative Arts*	3	Social and Behavioral Sciences**	3
	HIST 231 Soc & Pol Hist US to 1877	3	HIST 232 Soc & Pol Hist US Since 1877	3
	FS 102	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	ENG 23X***	3	ENG 2XX***	3
	HIST 131 World History I	3	HIST 132 World History II	3
	Institutional Option ****	3	Elective	3
	HIST 281 Intro to Af Am History	3	Minor	3
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HIST 331 or 332 - Modern Europe	3	HIST Elective - Non-Western History	3
	HIST Elective	3	HIST Elective	3
	Minor	3	Minor	3
	Elective	3	Minor	3
	Elective	3	Elective	3
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	HIST 420 Capstone Seminar	3	HIST Elective	3
	HIST Elective	3	HIST Elective	3
	Minor	3	Minor	3
	Minor	3	Elective	3
	Elective	3	Elective	3
			Elective	1
	<b>15 Hrs</b>		<b>16 Hrs</b>	

\* Creative Arts options: MUSI 136, MUSI 239, ART 135, AR T137, or THEA 130.

\*\* Social and Behavioral Sciences options: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231, ECON 232, GEOG 132

\*\*\* Language, Philosophy and Culture options: ENG 230, ENG 231, ENG 235, or ENG 244

\*\*\*\* Institutional Options: One additional class from the TSU approved Core Curriculum options in Social and Behavioral Sciences, Creative Arts, Life and Physical Sciences, or Mathematics.

**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS DEGREE IN GENERAL STUDIES  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (GENERAL STUDIES)	CONCENTRATION	OTHER REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		30 credits	24 credits	24 credits
<b>Communication:</b>		CS 116 (3)	See Advisor (24)	Electives (23) credits
ENG 131 (3) **	ENGL 1301	HIST 131 or HIST 132 (3)		See Advisor
ENG 132 (3)	ENGL 1302	MATH 133, 137, or 231 (3)		FS 102 (1)
<b>Mathematics:</b>		SOC 3xx (3)		
MATH 132 (3) or MATH 133 (3)++	MATH 1324 or MATH 1314	ENG 3xx (3)		
<b>Life and Physical Sciences:</b>		GEOG 3xx or 4xx (6)		
BIOL 143 (3) or CHEM 131 (3)	BIOL 1308 or CHEM 1311	HIST 3xx or 4xx (6)		
BIOL, CHEM, PHYS or GEOL (3)***		HIST 420 (3)		
<b>Language, Philosophy, and Culture:</b>				
ENG 2xx (3) ****	ENGL 2xxx			
<b>Creative arts:</b>				
MUSI, ART, or THEA (3)*****				
<b>American History:</b>				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<b>Government / Political Science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and Behavioral Sciences:</b>				
***** (3)				
<b>Institutional Options:</b>				
SC 135 (3) or SC 136 (3)	SPCH 1321 or 1315			
*****Institutional Option (3)				

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents total credit hours

\*\*\* Select 3 SCH from University approved core curriculum in BIOL, CHEM, PHYS, or GEOL

\*\*\*\* Select one of the following: ENG 230, ENG 231, ENG 235, ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\*\* Select 3 SCH from University approved core curriculum in MUSI, ART, or THEA

\*\*\*\*\* Select one of the following: PSY 131, SOC 157, SOC 158, SOC 238, ECON 231, GEOG 132 (TCCNS: PSYC 2301, SOCI 1301, SOCI 1306, SOCI 2306, ANTH 2346, ECON 1301, ECON 2301, or GEOG 1303)

\*\*\*\*\*Institutional Options: One additional class from the TSU approved Core Curriculum options in Social and Behavioral Sciences, Creative Arts, Life and Physical Sciences, or Mathematics, or Computer Science

++ Students considering graduate school are strongly encouraged to complete College Algebra (MATH 133).

**BACHELOR OF ARTS DEGREE IN GENERAL  
STUDIES TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 132 or 133	3	Creative Arts*	3
	CHEM 131 or BIOL 143	3	Life and Physical Sciences**	3
	SC 135 or SC 136	3	Social and Behavioral Sciences***	3
	HIST 231 Soc & Pol Hist US to 1877	3	HIST 232 Soc & Pol Hist US Since 1877	3
	FS 102	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	Institutional Option *****	3	ENG 2XX ****	3
	HIST 131 or 132	3	MATH 137, MATH 231, or MATH 133	3
	CS 116 Intro Computer Science	3	Concentration	3
	Elective	3	Concentration	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HIST 3XX or 4XX	3	HIST 3XX or 4XX	3
	GEOG 3XX or 4XX	3	GEOG 3XX or 4XX	3
	ENG 3XX	3	SOC 3XX	3
	Concentration	3	Concentration	3
	Elective	3	Elective	3
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	HIST 420 Capstone Seminar	3	Concentration	3
	Concentration	3	Concentration	3
	Concentration	3	Elective	3
	Elective	3	Elective	3
	Elective	3	Elective	2
	<b>15 Hrs</b>		<b>14 Hrs</b>	

\*Creative Arts: MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137

\*\* Life and Physical Sciences: CHEM 132, BIOL 135, GEOL 141, PHYS 101, PHYS 237, PHYS 238, or PHYS 251

\*\*\*Social and Behavioral Sciences Area: ECON 231, ECON 232, SOC 157, SOC 158, SOC 221, SOC 238, GEOG 132, or PSY 131

\*\*\*\*Language, Philosophy & Culture: ENG 230, 231, 235, or 244

\*\*\*\*\*Institutional Options: Communication and Foreign Language (SC 135, SC 136, CHNS 131, FR 131, or SPAN 131)

**DEPARTMENT OF HUMAN SERVICES AND CONSUMER SCIENCES**



## Program Overview

The Department of Human Services and Consumer Sciences (HSCS) is one of nine units in the College of Liberal Arts and Behavioral Sciences (COLABS). The Department offers degrees at both the undergraduate and graduate level. The undergraduate level offers the Bachelor of Science (B.S.) in Human Services and Consumer Sciences with four (4) concentrations to include Child and Family Development (CFDV), Family and Consumer Sciences (FCS), Food and Nutrition (FN), and Dietetics. The graduate level offers a Master of Science (M.S.) in Human Services and Consumer Sciences.

## Students interested in the Master of Science in Human Services and Consumer Sciences should refer to the Graduate School Bulletin of Texas Southern University for details.

The Human Services and Consumer Sciences Department (HSCS) is housed in the Cecelia Scott Lane Building. The Department Office is located in room 103 of that facility. HSCS Department personnel may be contacted at 713-313-7230.

## Mission and Goals

The mission of the Department of Human Services and Consumer Sciences is to improve the quality of life for individuals and families in the global society through high quality programs, outreach services and research. The HSCS curriculum is aligned with the University's mission as a special purpose institution of higher education for urban programming with specialized training and experiences related to urban issues in homes, schools, and communities.

Specific goals of the multidisciplinary program include:

- Preparing self-empowered, competent individuals for entrepreneurial, leadership, and professional roles in child development, human development, dietetics, food service, human nutrition, family studies, consumer and community services.
- Increasing the competence of students in planning and conducting research in the areas of Human Services and Consumer Sciences.
- Preparing individuals to function in roles as innovators, advocates, and knowledgeable Human Services and Consumer Sciences professionals.

The HSCS programs are designed to broaden the students' knowledge concerning:

- Changing family structure and function; Behavioral aspects of the family;
- Interrelationships within families and other societal subsystems;
- Nutrition and its relationship to the health and well-being of societal subsystems.

## Structure of Degree Programs

The Department of Human Services and Consumer Sciences offers degrees at both the undergraduate and graduate level:

**Undergraduate:** Bachelor of Science in Human Services and Consumer Sciences with four (4) concentrations: Child and Family Development; Family and Consumer Sciences; Food and Nutrition; and Dietetics.

**Graduate:** Master of Science in Human Services and Consumer Sciences with three (3) concentrations: Child and Family Development; Food and Nutrition; and Human Services and Consumer Sciences Composite

## Matriculation Requirements

In pursuing the Bachelor of Science degree in Human Services and Consumer Sciences, students are not required to declare a minor in a second academic discipline since all HSCS fields of study are composite majors. The four concentrations of the Bachelor of Science degree in Human Services and Consumer Sciences require a completion of a minimum of 120 semester credit hours. Transfer students may substitute FS 102 with any college level course to complete the total credit hours required for graduation by their degree plan.

### 1. Grade Requirements:

- All students who major in HSCS programs of study must earn grades of "C" or better in all courses specified as University core courses major and cognate courses (thus, grades of "C-" or less are unacceptable).
- Completion of the Dietetics program with a baccalaureate degree requires successfully earning 125 semester hours, grades of "C" or better in required English and Mathematics courses.
- Students must earn an overall GPA of 3.0 in all pre-requisite science programs. Additionally, grades of "B" or better must be earned in all major courses.

### 2. Exam Requirements:

- All HSCS majors (except Dietetics) must take and pass an Exit Exam in their area of specialty before graduating.
- Students in the dietetics concentration must successfully pass NUTR 490 Capstone in Nutrition and dietetics in lieu of an Exit Exam.

### 3. Health Insurance:

- Health insurance is required of all Dietetic students participating in practical experiences as a condition of the affiliation agreements with host sites.

#### 4. Health Tests:

- All HSCS majors must observe immunization record and health test requirements of clinical and practicum host sites.

#### 5. Background Checks:

- A background check is required of any student participating in a HSCS or Dietetics practicum or clinical experience.

Students are referred to the Harris County Criminal Courts Customer Service Department to request a background check. Students are responsible for any associated fees or paperwork.

Students desiring to pursue an undergraduate degree or the minor offered through the Department must first gain admission to the University, satisfy Texas Success Initiative (TSI) or equivalent requirements and must complete any identified deficiencies. They must also petition the Department for admission as TSI and/or equivalent requirements are completed. Once admitted, students will be assigned an official faculty advisor with whom they must consult on a semester or term basis to ascertain progress toward completion of major degree or minor requirements. **Individuals interested in seeking certification for teaching in the public schools of Texas in academic disciplines offered through this unit should contact the Director of Certification in the College of Education at Texas Southern University for application instructions.** Additionally, majors in Human Services and Consumer Sciences disciplines should be advised that major courses, especially at the upper level, are offered in rotational sequences. Further, lower level major courses should be completed before enrolling in upper level courses. To ensure quality instruction and outcome competencies, course sequence restrictions will be observed for all HSCS majors.

**The Child and Family Development concentration** focuses on growth throughout the life span as well as family dynamics and the impact on individual family members. This program prepares individuals for management, entrepreneurial and other professional careers in agencies, institutions, and programs that focus on services for children, youth, adults and families. Some career options include: case workers, parent educators, family-child educators, recreation workers/play therapists, civil servants in family service units of police departments, early childhood professionals in private, parochial, and public schools (with certification); and owners/ directors of schools for young children.

**The Family and Consumer Sciences concentration** provides a holistic program of study with courses that focus on providing opportunities for the development of competence in family and consumer program development and leadership. In addition, students may opt to receive certification in Human Development and Family Studies or Family and Consumer Sciences in cooperation with the College of Education. Career options include secondary vocational family and consumer sciences teacher (with certification), adult program development/directorship; consumer counseling; eldercare service providers, directors, entrepreneurs; and customer service representatives. A total of 120 semester hours are required for completion of each of the three related composites: the Composite Family and Consumer Sciences with certification, the Composite Family and Consumer Sciences without certification, and Composite Human Development and Family Studies with certification.

#### Dietetics Concentration

**Accredited by the Accreditation Council for Education in Nutrition and Dietetics (ACEND®) of the Academy of Nutrition and Dietetics**, the Dietetic Program in Dietetics (DPD) is designed for students desirous of becoming registered dietitian nutritionists employed in health, community, business, research, private and educational agencies/ facilities. Career options include, but are not limited to clinical, research, food production/management, pediatric, oncology, nutrition entrepreneur, gerontology, sports, cardiovascular and wellness dietitians. The program requires 126 semester hours which includes pre-professional and professional courses. To meet eligibility requirements for becoming a Registered Dietitian, the following steps must be followed:

#### Requirements for Becoming a Registered Dietitian

Eligibility for the Registration Examination for Dietitians is determined by evaluation of current requirements as established by the Commission on Dietetic Registration (CDR). The present eligibility requirements address academic preparation and supervised practice as explained below.

1. Complete a minimum of a bachelor's degree at a U.S. regionally accredited university or college and course work approved by the Accreditation Council for Education in Dietetics (ACEND) of the Academy of Nutrition and Dietetics.
2. Complete an ACEND-accredited supervised practice program or dietetic internship at a university or college, healthcare facility, community agency, or a food service corporation, or combined with undergraduate or graduate studies. Dietetic internships provide at least 1200 hours of supervised practical experience and typically runs six to twelve months in length.
3. Pass a national examination administered by the Commission on Dietetic Registration (CDR).
4. Complete continuing professional educational requirements to maintain registration.

Source: The Academy of Nutrition and Dietetics.

### **The Minor in HSCS**

Students interested in pursuing a minor through the Department of Human Services and Consumer Sciences have the option of choosing one of three concentrations: Child and Family Development, Family and Consumer Sciences, and Food and Nutrition. The minor is comprised of 21 credit hours in courses from the specific concentration area.

Only grades of "C" or better are accepted as fulfilling requirements for both the major and minor programs in HSCS.

**For the Child and Family Development concentration toward the minor in Human Services and Consumer Sciences**, the following courses, totaling 21 semester credit hours, are required with the grade restrictions referenced above: CFDV 233 (3 credits); CFDV 234 (3 credits); CFDV 235/235L (3 credits); CFDV 333 (3 credits), CFDV 432 (3 credits), and six (6) additional CFDV restricted elective credits at the 300-level or 400-level.

**For the Composite Family and Consumer Sciences concentration toward the minor in Human Services and Consumer Sciences**, the following courses, totaling 21 semester credit hours, are required with the grade restrictions referenced above: CFDV 233 (3 credits), CT 130 (3 credits), NUTR 235 (3 credits), HSCS 233 (3 credits), FCS 436 (3 credits), and six (6) additional HSCS, CFDV, CT, or in elective credits at the 300-level or 400-level.

**For the Food and Nutrition concentration toward the minor in Human Services and Consumer Sciences**, the following courses, totaling 21 semester credit hours, are required with the grade restrictions referenced above: NUTR 235 (3 credits), NUTR 240 (3 credits), NUTR 336 (3 credits), and twelve (12) additional restricted elective credits at the 300-level or 400-level. To ensure quality instruction and outcome competencies, course sequence restrictions will be observed for all HSCS minors. The University reserves the right to change any policy, fees or requirement at any time that students are enrolled. Courses are also subject to change.

## Listing of Faculty

<p><b>Ahmed, Selina</b>  <b>Professor</b>          B.Sc., M.Sc., College of Home Economics, Dhaka, Bangladesh          Ph.D., Texas Woman's University</p>	<p><b>Dixon, Kimona Scurlock</b>  <b>Assistant Professor</b>          B.S., M.S., Ed. D., Texas Southern University</p>
<p><b>Lihono, Makuba A.</b>  <b>Associate Professor</b>          B.S., Institute and Faculty of Agriculture, RD Congo          M.S., Indiana State University          M.S. , Ph.D., Iowa State University          Certification and Proctor in ServSafe</p>	<p><b>Levy-Cullins, Dandy</b>  <b>Assistant Professor</b>          B.S., M.S., Texas Southern University          Ph.D., Texas Woman's University          Certified Family Life Educator(C.F.L.E)</p>
<p><b>Morrow, Ellis</b>  <b>Assistant Professor</b>  <b>Director of the Didactic Program in Dietetics (DPD)</b>          B.S., University of Houston          M.S., University of Texas Pan American          Doctoral in Clinical Nutrition, Rutgers University          Registered Dietitian Nutritionist (R.D.N), Licensed Dietitian          (L.D.), Board Certified Specialist in Gerontological Nutrition          (C.S.G.)</p>	

## ART AND DESIGN COURSES

<b>AD 130</b>	<b>Environmental Design</b> (2) Introduction to the elements and principles of design. Two hours of lecture per week.
<b>AD 130L</b>	<b>Environmental Design Laboratory</b> (1) Laboratory course to accompany AD 130. Two hours of laboratory per week.
<b>AD 131</b>	<b>Introduction to Housing</b> (2) Space planning, color schemes, and selection of residential furnishings and accessories according to lifestyle and budget considerations. Two hours of lecture per week. Co-requisite: AD 131L.
<b>AD 131L</b>	<b>Introduction to Housing Laboratory</b> (1) Laboratory course to accompany AD 131. Two hours of laboratory per week. Co-requisite: AD 131
<b>AD 435</b>	<b>Interior Space and Equipment Planning</b> (1) Planning, design, and budgeting of furnishings and equipment in residential environments. One hour of lecture. Co-requisite AD 435L; Prerequisites; Ad 131 and junior/senior status.
<b>AD 435L</b>	<b>Interior Space and Equipment Planning Lab</b> (2) Planning, design, and budgeting of furnishings and equipment in residential environments laboratory course to accompany AD 435. Four (4) hours laboratory per week. Prerequisites: AD 131/AD 131L and Junior/Senior status.

## CHILD AND FAMILY DEVELOPMENT COURSES

<b>CFDV 233</b>	<b>Family Relationships</b> (3) Study of interpersonal relationships within the family. Emphasis on analysis of differences in lifestyle and implications of interactions. Three hours of lecture per week.
<b>CFDV 234</b>	<b>Survey of Early Childhood Development</b> (3) Study of the child's sequential development from conception through age twelve with primary emphasis on conception through eight years of age. Observations in appropriate settings required. Three hours of lecture per week.
<b>CFDV 235</b>	<b>Interaction with Young Children</b> (3) Supervised observation and participation with two-to-six-year-old children in a laboratory setting. One hour of lecture per week. Prerequisites: CFDV 233 and CFDV 234.
<b>CFDV 235L</b>	<b>Interaction with Young Children Laboratory</b> (0) Laboratory course to accompany CFDV 235. Four hours of laboratory per week. Prerequisites: CFDV 233 and CFDV 234.
<b>CFDV 331</b>	<b>Methods of Child Study/Assessment of Young Children</b> (3) Study and interpretation of developmentally appropriate assessment techniques necessary for understanding and guiding the behavior of children. Observations in appropriate settings required. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235.

<b>CFDV 332</b>	<b>Children's Play: Development and Role</b> Study of the theories of play and use of materials relating to broad areas of growth and development. Emphasis on application of theories to program areas and appropriate use of materials. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235.	<b>(3)</b>
<b>CFDV 333</b>	<b>Methods and Procedures in Early Childhood Development</b> Program planning, implementation, and evaluation in the early childhood setting. Observation of children in supervised setting required. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235 and junior standing.	<b>(3)</b>
<b>CFDV 334</b>	<b>Pre-Adolescence and Adolescent Development</b> Study of the physical, intellectual, emotional, social, and moral development of children from pubescence through adolescence. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235.	<b>(3)</b>
<b>CFDV 335</b>	<b>Independent Study</b> Independent study in area of specialization. Prerequisites: Junior standing and consent of instructor.	<b>(3)</b>
<b>CFDV 430</b>	<b>Special Topics</b> Intensive study of professional interest in child development. With class designation, this course may be used up to four (4) times for a total of twelve (12) hours. Senior Project. Project hours to be determined by the instructor of record. Junior /Senior standing.	<b>(3)</b>
<b>CFDV 431</b>	<b>Theories in Child Development</b> Survey of theories relevant to principles of learning in the cognitive, social/emotional, and physiological areas of development at the early childhood level. Observations in appropriate settings required. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235. Junior or Senior standing.	<b>(3)</b>
<b>CFDV 432</b>	<b>Children's Literature</b> Analysis of children's books with emphasis on literacy and language development enhancement for children. Extensive reading of books by outstanding authors and illustrators included. Three hours of lecture per week. Prerequisite: Junior or senior standing.	<b>(3)</b>
<b>CFDV 433</b>	<b>Multicultural Strategies</b> Study of the impact of various cultures on the American system with implications for early childhood program development. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235. Junior or Senior standing.	<b>(3)</b>
<b>CFDV 434</b>	<b>Practicum I</b> Educationally directed and supervised practical experience in an early childhood setting or family service agency. Three hours of lecture per week. Prerequisites: CFDV 234, CFDV 235, and senior standing.	<b>(3)</b>
<b>CFDV 435</b>	<b>Child Nutrition</b> Principles of nutrition affecting growth and development from conception through early childhood. Emphasis on menu planning, preparation, portion control, and nutritional requirements in early childhood programs. Three hours of lecture per week. Prerequisite: FN 233 and Junior /Senior standing.	<b>(3)</b>
<b>CFDV 436</b>	<b>Parenting</b> Study of theoretical procedures and techniques for use in guiding the behavior and development of the child. Application of current research on parenting models utilized. Three hours of lecture per week. Prerequisites: CFDV 234 and CFDV 235 and Junior/Senior standing.	<b>(3)</b>

**CFDV 437**                      **Capstone in Child & Family Development**                      **(3)**  
Comprehensive study of the integrative, synergistic nature of the field of Child & Family Development from a historical, theoretical, and practical perspective. Prerequisite: Senior standing.

#### **CLOTHING AND TEXTILES COURSES**

**CT 130**                      **Clothing Behavior**                      **(3)**  
The psychological, sociological, and aesthetic aspects of clothing. Research project required. Three hours of lecture per week.

**CT 131**                      **Basic Clothing Concepts**                      **(1)**  
Study of basic clothing construction. One hour of lecture per week. Co-requisite: CT 131L.

**CT 131L**                      **Basic Clothing Concepts Laboratory**                      **(2)**  
Laboratory course to accompany CT 131. Four hours of laboratory per week. Co-requisite: CT 131.

**CT 233**                      **Textiles I**                      **(2)**  
Study of fiber properties, yarns, fabric structures, and finishes as related to serviceability. Two (2) hours of lecture per week. Co-requisite CT 131L.

**CT 233L**                      **Textiles I Laboratory**                      **(1)**  
Laboratory course to accompany CT 233. Two (2) hours of laboratory per week. Co-requisite: CT 233.

#### **DIETETICS/FOOD AND NUTRITION COURSES**

**NUTR 116**                      **Seminar in Nutrition and Dietetics**                      **(1)**  
Discusses the role of the professional in dietetics and nutrition, orientation to career opportunities in dietetics and nutrition, code of ethics, credentialing, standards of practice, leadership, current and future practices in the field of dietetics and nutrition.

**NUTR 235**                      **Introduction to Nutrition**                      **(3)**  
Discusses the role of the professional in dietetics and nutrition, orientation to career opportunities in dietetics and nutrition, code of ethics, credentialing, standards of practice, leadership, current and future practices in the field of dietetics and nutrition.

**NUTR 240**                      **Introduction to Food Prep**                      **(3)**  
Introduction to selection, preparation and storage of food based on chemical and physical properties, applying food preparation techniques, understanding food components and their specific nature and behavior during preparation, evaluation of quality in food products. Course includes ServSafe Certification. Prerequisites: BIOL 246.

**NUTR 335**                      **Nutrition and Aging**                      **(3)**  
Examines nutritional needs during aging due to physiological; factors influencing food intake and nutritional status of the elderly; therapeutic diets for chronic diseases commonly found in older adults. PREQUISTISTES: NUTR 235, BIOL 136, BIOL 136L, CHEM 343, or instructor's consent.

**NUTR 336**                      **Nutrition through the Life Cycle**                      **(3)**  
Examines nutritional needs through the life cycle with emphasis on physiological, metabolic, cultural, environmental, psychosocial, genetic, and environmental factors. Prerequisites: NUTR 235, BIOL 136, BIOL 136L

**NUTR 337**                      **Nutrition and Physical Activity**                      **(3)**



Examines nutritional needs for optimum performance; physical activity and fitness. Prerequisites: NUTR 235, BIOL 136, BIOL 136L, CHEM 343, or instructor's consent.

- NUTR 340** **Experimental Foods Lab** **(3)**  
Analysis of chemical and physical properties of food, study of ingredient functions and factors affecting food product quality as measured by sensory and objective methods, current practices and trends in food technology. Research design, data collection and analysis. Prerequisites: NUTR 249, CHEM 231, CHEM 211, BIOL 246.
- NUTR 350** **Culture, Society and Foods** **(3)**  
Discusses cultural beliefs and practices; religion, food supplies, and socioeconomic status and their impact on food choices and nutritional status. Prerequisites: NUTR 336, NUTR 240, PSY 131, SOC157, BIOL 246
- NUTR 423** **Community Nutrition** **(3)**  
Discusses the role of nutrition in promoting, maintaining and improving health in the community; financial, legislative, political, sociological, and scientific aspects of public and community health; analytical tools, grantsmanship; role of public and private agencies in community nutrition programs; goals and trends in community nutrition. Prerequisites: NUTR 336, NUTR 350.
- NUTR 430** **Nutrition Counseling and Education** **(2)**  
The application of principles and hands-on experience of counseling, motivational techniques, and communication skills dietetics/nutrition practice. Prerequisites: NUTR 456, NUTR 450 CO-REQUISITESTES: NUTR 460, NUTR 460L.
- NUTR 440** **Food Production Systems** **(2)**  
Discusses the principles in foodservice production systems with emphasis on equipment, principles of safe food handling, quality standards and controls, menu planning, and environmental issues. This course must be taken concurrently with NUTR 440L (Food Production Systems Lab). Prerequisites: NUTR 240. This course must be taken concurrently with NUTR 440L. Co-requisites: NUTR 440L.
- NUTR 440L** **Food Production Systems Lab** **(2)**  
The application of principles in foodservice production systems with emphasis on equipment, safe food handling, quality standards and controls, menu planning, and environmental issues. This course must be taken concurrently with NUTR 440 (Food Production Systems). Perquisites: NUTR 240, SERVS SAFE certification, verification of immunization – current TB test, measles, mumps, rubella, chicken pox, H1N1 flu shot, seasonal flu shot, and hepatitis B series (are in the process of getting series). You will need to submit copy of SERVS SAFE certification and immunization records to instructor to be registered for the course. This course must be taken concurrently with NUTR 440. Co-requisites. NUTR 440.
- NUTR 445** **Food Systems Management** **(3)**  
Discusses management principles with emphasis on how they apply to food systems - human resources, food, equipment and facilities to provide a quality product and service to customers/clients/patients. Prerequisites: NUTR 440, NUTR 440L
- NUTR 450** **Nutritional Status Assessment Lab** **(2)**  
Provides training in nutrition status assessment techniques – laboratory methods for collection and interpretation of demographic, dietary, anthropometric, biochemical and clinical data. Prerequisites: NUTR 456 (Advanced Nutrition I). Co-requisites: NUTR 457 (Advanced Nutrition II).
- NUTR 456** **Advanced Nutrition I** **(3)**  
Examines biochemical and molecular aspects of proteins, fats, and carbohydrates; interrelationship of nutrients; principles of determining nutritional requirements of individuals and clinical applications. Prerequisites: NUTR 336, BIOL 136, BIOL 136L, CHEM 343. This course requires extensive preparation and relies heavily on your previous knowledge of physiology and biochemistry. Course







233. Independent study in area of specialization

- FCS 437**                      **Capstone in Family and Consumer Sciences**                      **(3)**  
Comprehensive study of the integrative, synergistic nature of the field of family sciences from a historical, theoretical, and practical perspective. The Senior Exit Examination also administered. Prerequisite: Senior Status.
- FCS 438**                      **Family and Consumer Economics**                      **(3)**  
Study of consumer management principles and income distribution patterns relative to time and money use decision by the family. Three hours of lecture per week. Prerequisite: HSCS 233.
- FCS 439**                      **Family and Community Services**                      **(1)**  
Utilization of family and consumer sciences perspectives in family service agencies within government, public, and private sectors. One hour of lecture per week. Prerequisite: HSCS 233 and FCS 436.
- FCS 439L**                      **Family and Community Services Laboratory**                      **(2)**  
Practicum to accompany FCS 439. Four hours per week. Prerequisites: HSCS 233 and FCS 436.
- FCS 440**                      **Seminar in Human Development Lifespan**                      **(3)**  
Independent study in area of specialization.

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE  
IN HUMAN SERVICES AND CONSUMER SCIENCES  
FAMILY AND CONSUMER SCIENCES CONCENTRATION (WITHOUT CERTIFICATION) TOTAL CREDITS  
REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (FAMILY AND CONSUMER SCIENCES)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		35 credits	43 credits	0 credits
<b>Communication:</b>		HSCS 233 (3)	AD 130 , 130L or AD 131 A D 131L (3)	
ENG 131 (3) **	ENGL 1301	FCS 334 (3)	AD 435 (3)	
ENG 132 (3)	ENGL 1302	FCS 335 (3)	CFDV 233 (3)	
<b>Mathematics:</b>			CFDV 234 (3)	
MATH 133 (3)	MATH 1314	HSCS 430 (3)	CFDV 235, 235L (3)	
<b>Life and physical sciences:</b>		FCS 431 (3)	CFDV 334 (3)	
BIOL 143 (3)	BIOL 1308	FCS 432 (3)	CFDV 433 (3)	
GEOL 141 (3)	GEOL 1303	FCS 434 (3)	CFDV 436 (3)	
<b>Language, philosophy, and culture:</b>		FCS 435 (3)	CT 131 /CT 131L (3) or CT 130	
ENG 2xx (3) ***			CT 233 /CT 233L (3)	
<b>Creative arts:</b>		FCS 436 (3)	NUTRI 235 (3)	
MUSI 239 (3) or THEA 130 (3)	HUMA 1315 or DRAM 1310	FCS 437 (2)	NUTRI 240 (3)	
<b>American history:</b>		FCS 438 (3)	HED 477 (3)	
HIST 231 (3)	HIST 1301	FCS 439 / FCS 439L (3)	SPED 309 or SPED 370 (3)	
HIST 232 (3)	HIST 1302		FS 102 (1)	
<b>Government/political science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
PSY 131 (3) or SOC 157 (3)	PSYC 2301 or SOCI 1301			
<b>Institutional Options:</b>				
SC 135 (3) or SC 136 (3)	SPCH 13 21 or SPCH 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF SCIENCE DEGREE IN HUMAN SERVICES AND CONSUMER SCIENCES  
 FAMILY AND CONSUMER SCIENCES CONCENTRATION (WITHOUT CERTIFICATION) - DEGREE PLAN  
 TOTAL CREDITS = 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra I	3	MUSI 239 Fine Arts in Daily Living or THEA 130 Introduction to Theatre	3
	BIOL 143 Survey of Life Sciences	3	GEOL 141 Intro to the Earth	3
	SC 135 or SC 136	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology	3
	HSCS 233 Seminars in HSCS	3	CFDV 233 Family Relationships	3
	FS 102	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HIST 231 Social & Political History of the U.S. to 1877	3	HIST 232 Social & Political History of the U.S. since 1877	3
	ENG 2xx	3	CS 116 Intro to Computer Science I	3
	FCS 334 Career Opportunities in FCS	3	FCS 335 Principles of FCS	3
	CFDV 234 Survey of Early Childhood Dev.	3	CFDV 235/235L Interaction w/Children	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	FCS 431 Aging and Health Needs	3	FCS 434 Occupational Program/Public Policy	3
	FCS 432 Program Planning & Methodology	3	AD 435 Interior Space & Equip Planning	3
	NUTRI 235 Intro to Nutrition	3	SPED 309 Survey of Exceptional Ed I or SPED 370 Survey of Exceptional Ed II	3
	CFDV 334 Pre-Adolescent Development	3	CT 233 Textiles I/CT 233 L	3
	CT 131/131L Basic Clothing Concept or CT 130 Clothing Behavior	3	AD 130/130L Environ. Design or AD 131/131L Intro to Housing	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	NUTRI 240 Intro to Food Preparation	3	FCS 437 Capstone in FCS	2
	CFDV 433 Multicultural Strategies	3	CFDV 436 Parenting	3
	HED 477 Human Sexuality	3	FCS 439/FCS 439L Family & Community Serv	3
	FCS 436 Consumer Resource Management	3	HSCS 430 Research Methodology	3
	FCS 438 Family & Consumer Economics	3	FCS 435 Communication: Family & Marriage	3
		<b>15 Hrs</b>		<b>14 Hrs</b>

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE  
IN HUMAN SERVICES AND CONSUMER SCIENCES  
FAMILY AND CONSUMER SCIENCES CONCENTRATION (CERTIFICATION)  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (FAMILY AND CONSUMER SCIENCES)	OTHER REQUIREMENTS	CERTIFICATION PROGRAM
TSU COURSES	TCCNS EQUIVALENT			
42 credits		20 credits	31 credits	27 credits
<b>Communication:</b>		HSCS 233 (3)	AD 130, 130L (3) or AD 131, AD 131L or ****CFDV 235/235L	EDCI 310 (3)
ENG 131 (3) **	ENGL 1301	FCS 334 (3)	AD 435 (3) or ****FCS 432	EDCI 328 (3)
ENG 132 (3)	ENGL 1302	FCS 431 (3)	CFDV 233 (3)	EDCI 339 (3)
<b>Mathematics:</b>		FCS 433 (3) or FCS 440 (3)	CFDV 234 (3)	EDCI 340 (3)
MATH 133 (3)	MATH 1314	FCS 436 (3)	CFDV 436 (3)	EDCI 350 (3)
<b>Life and physical sciences:</b>		FCS 437 (2)	CT 131, 131L or CT 130 (3) or ****FCS 434	EDCI 464 (6)
BIOL 143 (3)	BIOL 1308	FCS 438 (3) or FCS 435 (3)	NUTRI 235 (3)	RDG 400 (3)
GEOL 141 (3)	GEOL 1303		NUTRI 240 (3) or ****CFDV334	RDG 401 (3)
<b>Language, philosophy, and culture:</b>			HED 477 (3)	
ENG 2xx (3) ***			SPED 309 or 370 (3)	
<b>Creative arts:</b>			FS 102 (1)	
MUSI 239 (3) or THEA 130 (3)	HUMA 1315 or DRAM 1310			
<b>American history:</b>				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<b>Government/political science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
PSY 131 (3) or SOC 157 (3)	PSYC 2301 or SOCI 1301			
<b>Institutional Options:</b>				
SC 135 (3) or SC 136 (3)	SPCH 1321 or SPCH 1315			
EDCI 210 (3)****	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* Courses in bold are required for students with focus in Human Development and Family Studies with Certification

**BACHELOR OF SCIENCE DEGREE IN HUMAN SERVICES AND CONSUMER SCIENCES  
 FAMILY AND CONSUMER SCIENCES CONCENTRATION CERTIFICATION - DEGREE PLAN  
 TOTAL CREDITS = 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra I	3	MUSI 239 Fine Arts Daily Living or THEA 130	3
	BIOL 143 Survey of Life Sciences	3	GEOL 141 Intro to the Earth	3
	SC 135 Bus. And Prof. Comm or SC 136 Public Address	3	PSY 131 Gen Psychology or SOC 157 Intro to Sociology	3
	HSCS 233 Seminar in HSCS	3	CFDV 233 Family Relationships	3
	FS 102 Freshman Seminar	1		
	<b>16 Hrs</b>		<b>15 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HIST 231 Social & Political History of the U.S. to 1877	3	HIST 232 Social & Political History of the U.S. since 1877	3
	ENG 2xx English	3	EDCI 210 Instructional Technology	3
	FCS 334 Career Opportunities in FCS	3	NUTRI 235 Intro to Nutrition	3
	CFDV 234 Survey of Early Childhood Dev.	3	AD 130 / 130L Environ. Design or AD 131/131L Intro Housing or *CFDV 235/235L Interaction with Young Children	3
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	NUTRI 240 Intro to Food Preparation or *CFDV 334	3	SPED 309 Survey Exceptional Ed I or SPED 370 Survey Exceptional Ed II	3
	FCS 431 Aging and Health Needs	3	EDCI 328 Psy of Learning, Growth & Dev.	3
	EDCI 339 Classroom Management	3	EDCI 340 Instructional Technology II	3
	EDCI 310 Principles & Foundation of Ed	3	EDCI 350 Designing & Implementing Instruction and Assessment	3
	AD 435 Interior Space and Equip Planning or * FCS 432	3	CT 131/131L Basic Clothing or CT 130 Clothing Behavior or *FCS 434	3
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	HED 477 Human Sexuality	3	EDCI 464 Direct Student Teaching in H.S.	6
	RDG 400 Middle School Reading	3	FCS 437 Capstone in FCS	2
	RDG 401 Reading for Diverse Populations	3	CFDV 436 Parenting	3
	FCS 438 Family & Consumer Economics or FCS 435 Comm: Family and Marriage	3	FCS 436 Consumer Resource Management	3
	FCS 433 Teaching FCS or FCS 440 Seminar in Human Development	3		
	<b>15 Hrs</b>		<b>14 Hrs</b>	

\* Courses required for students with focus in Human Development and Family Studies with Certification

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE  
IN HUMAN SERVICES AND CONSUMER SCIENCES  
CHILD AND FAMILY DEVELOPMENT CONCENTRATION  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (CHILD AND FAMILY DEVELOPMENT)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		44 credits	34 credits	0 credits
<b>Communication:</b>		CFDV 233 (3)	AD 130/AD 130 L (3)	
ENG 131 (3) **	ENGL 1301	CFDV 234 (3)	CT 130 (3)	
ENG 132 (3)	ENGL 1302	CFDV 235/ CFDV 235L (3)	MATH 134 (3)	
<b>Mathematics:</b>		CFDV 331 (3)	NUTR 235 (3)	
MATH 133 (3)	MATH 1314	CFDV 332 (3)	HSCS 233 (3)	
<b>Life and physical sciences:</b>		CFDV 333 (3)	MUSI 347 (3) or MUSI 339 (3)	
BIOL 143 (3)	BIOL 1308	CFDV 334 (3)	FR 131 (3) or SPAN 131 (3)	
GEOL 141 (3)	GEOL 1303	CFDV 431 (3)	SPED 309 (3)	
<b>Language, philosophy, and culture:</b>		CFDV 432 (3)	FCS 436 (3)	
ENG 2xx (3) ***		CFDV 433 (3)	HSCS 430 (3)	
<b>Creative arts:</b>		CFDV 434 (3)	Elective 3xx or 4xx (3)	
MUSI 239 (3) or THEA 130 (3)	HUMA 1315 or DRAM 1310	CFDV 435 (3)	FS 102 (1)	
<b>American history:</b>		CFDV 436 (3)		
HIST 231 (3)	HIST 1301	CFDV 437 (2)		
HIST 232 (3)	HIST 1302	Elective 3xx or 4xx (3)		
<b>Government/political science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
PSY 131 (3) or SOC 157 (3)	PSYC 2301 or SOCI 1301			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)



**BACHELOR OF SCIENCE DEGREE IN HUMAN SERVICES AND CONSUMER SCIENCES  
CHILD AND FAMILY DEVELOPMENT CONCENTRATION - DEGREE PLAN  
TOTAL CREDITS = 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	MATH 133 College Algebra	3	ENG 132 Freshman English II	3
	AD 130/130L Environmental Design/Lab	3	BIOL 143 Survey of Life Science	3
	SC 135 or SC 136	3	CFDV 233 Family Relationships	3
	HSCS 233 Seminar in HSCS	3	CT 130 Clothing Behavior	3
	ENG 131 Freshman English I	3	MATH 134 Plane Trig	3
	FS 102	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	NUTR 235 Intro to Nutrition	3	PSY 131 Gen Psy or SOC 157 Intro to Sociology	3
	GEOL 141 Intro to Earth	3	CS 116 Intro to Computer Science	3
	ENG 2xx English	3	MUSI 239 Fine Arts or THEA 130 Intro to Theatre	3
	CFDV 234 Survey of Early Childhood Dev	3	CFDV 235 /235 L Interaction w/ Young Children	3
	HIST 231 Social & Political History US to 1877	3	HIST 232 Social & Political History US since 1877	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	CFDV 331 Methods/Assessment of Young Children	3	CFDV 332 Children's Play: Role and Development	3
	CFDV 333 Methods & Procedures Early Childhood	3	CFDV 432 Children's Literature	3
	MUSI 347 Basic Music Procedures or MUSI 339 Music for Young Children	3	POLS 236 Texas Government	3
	POLS 235 American Government	3	FR 131 Elementary French I or Span 131 Elementary Spanish I	3
	CFDV 334 Pre-Adolescent & Adolescent Development	3	SPED 309 Survey of Exceptional Ed I	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Elective 3XX or 4XX	3	CFDV 434 Practicum I	3
	CFDV 431 Theories in Child Development	3	CFDV 435 Child Nutrition	3
	CFDV 433 Multicultural Strategies	3	CFDV 437 Capstone in Child & Family Development	2
	CFDV 436 Parenting	3	HSCS 430 Research in HSCS	3
	FCS 436 Family Resource Management	3	Elective 3XX or 4XX	3
		<b>15 Hrs</b>		<b>14 Hrs</b>

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE  
IN HUMAN SERVICES AND CONSUMER SCIENCES  
DIETETICS CONCENTRATION  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (DIETETICS)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		51 credits	27 credits	0 credits
<b>Communication:</b>		NUTR 116 (1)	BIOL 135 (3)	
ENG 131 (3) **	ENGL 1301	NUTR 235 (3)	BIOL 135L (1)	
ENG 132 (3)	ENGL 1302	NUTR 240 (3)	BIOL 136 (3)	
<b>Mathematics:</b>		NUTR 335 (3)	BIOL 136L (1)	
MATH 133 (3)	MATH 1314	NUTR 336 (3)	CHEM 111 (1)	
<b>Life and physical sciences:</b>		NUTR 337 (3)	CHEM 112 (1)	
CHEM 131 (3)	CHEM 1311	NUTR 340 (3)	CHEM 231 (3)	
CHEM 132 (3)	CHEM 13112	NUTR 350 (3)	CHEM 211 (1)	
<b>Language, philosophy, and culture:</b>		NUTR 423(3)	BIOL 246 (4)	
ENG 2xx (3) ***		NUTR 430 (2)	CHEM 343 (4)	
<b>Creative arts:</b>		NUTR 440 (2)	MATH 231 (3)	
MUSI 239 (3) or THEA 130 (3)	HUMA 1315 or DRAM 1310	NUTR 440L (2)	PHAR 212 (1)	
<b>American history:</b>		NUTR 445 (3)	FS 102 (1)	
HIST 231 (3)	HIST 1301	NUTR 450 (2)		
HIST 232 (3)	HIST 1302	NUTR 456 (3)		
<b>Government/political science:</b>		NUTR 457 (3)		
POLS 235 (3)	GOVT 2305	NUTR 460 (3)		
POLS 236 (3)	GOVT 2306	NUTR 460L (1)		
<b>Social and behavioral sciences:</b>		NUTR 461 (3)		
PSY 131 (3)	PSYC 2301	NUTR 461L (1)		
<b>Institutional Options:</b>		NUTR 490 (1)		
SC 136 (3)	SPCH 1315			
CS 116 (3)	COSC 1301			

\* All DPD students must be advised by the Director of Dietetics prior to registering for NUTR 300 and 400 level courses.

**BACHELOR OF SCIENCE DEGREE IN HUMAN SERVICES AND CONSUMER SCIENCES  
DIETETICS CONCENTRATION - DEGREE PLAN  
TOTAL CREDITS = 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra I	3	CHEM 132 General Chemistry II	3
	CHEM 131 General Chemistry I	3	CHEM 112 General Chemistry II Lab	1
	CHEM 111 General Chemistry Lab	1	NUTR 116 Seminar in Nutrition and Dietetics	1
	BIOL 135 Human Anatomy and Physio I	3	BIOL 136 Human Anatomy and Physiology II	3
	BIOL 135L Human Anatomy and Physio I Lab	1	BIOL 136L Human Anatomy and Physiology II Lab	1
	FS 102 Freshman Seminar	1	MUSI 239 Fine Arts in Daily Living or THEA 130 Intro to Theatre	3
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HIST 231 Social & Political History of the U.S. to 1877	3	HIST 232 Social & Political History of the U.S. since 1877	3
	ENG 2XX English	3	BIOL 246 Microbiology for Health Related Professions	4
	NUTR 235 Intro to Nutrition	3	SC 136 Public Address	3
	CHEM 231 Organic Chemistry I	3	PSY 131 Gen Psychology	3
	CHEM 211 Organic Chemistry I Lab	1		
	<b>16 Hrs</b>		<b>16 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	NUTR 336 Nutrition through the Life Cycle	3	NUTR 456 Advanced Nutrition I	3
	NUTR 240 Intro to Food Prep	3	NUTR 457 Advanced Nutrition II	3
	CHEM 343 Biochemistry	4	NUTR 350 Culture, Society, and Foods	3
	MATH 231 Elementary Statistics	3	NUTR 340 Experimental Foods Lab	3
	CS 116 Intro to Computer Science I	3	NUTR 450 Nutritional Status Assessment Lab	2
			PHAR 212 Medical Terminology	1
	<b>16 Hrs</b>		<b>15 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	NUTR 460 Medical Nutrition Therapy I	3	NUTR 461 Medical Nutrition Therapy II	3
	NUTR 460L Medical Nutrition Therapy Lab	1	NUTR 461L Medical Nutrition Therapy II Lab	1
	NUTR 423 Community Nutrition	3	NUTR 445 Food Systems Management	3
	NUTR 440 Food Production Systems	2	NUTR 337 Nutrition and Physical Activity	3
	NUTR 440L Food Production Systems Lab	2	NUTR 490 Capstone Seminar	1
	NUTR 430 Nutrition Counseling and Education	2	NUTR 335 Nutrition and Aging	3
	<b>13 Hrs</b>		<b>14 Hrs</b>	

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE  
IN HUMAN SERVICES AND CONSUMER SCIENCES  
FOOD AND NUTRITION CONCENTRATION  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (FOODS AND NUTRITION)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		50 credits	28 credits	0 credits
<b>Communication:</b>		NUTR 116 (1)	BIOL 131 or BIOL 135 (3)	
ENG 131 (3) **	ENGL 1301	NUTR 235 (3)	BIOL 246 (4)	
ENG 132 (3)	ENGL 1302	NUTR 240 (3)	ECON 131 (3)	
<b>Mathematics:</b>		NUTR 335 (3)	CHEM 111 (1)	
MATH 132, 133, 135, or 136 (3)	MATH 1314, 1316, 1325, or 2312	NUTR 336 (3)	CHEM 112 (1)	
<b>Life and physical sciences:</b>		NUTR 340 (3)	HSCS 233 (3)	
CHEM 131 (3)	CHEM 131	NUTR 350 (3)	HSCS 430 (3)	
CHEM 132 (3)	CHEM 132	NUTR 423 (3)	FCS 436 (3)	
<b>Language, philosophy, and culture:</b>		NUTR 440(2)	Elective (3)	
ENG 2xx (3) ***		NUTR 440L (2)	Elective (3)	
<b>Creative arts:</b>		NUTR 445 (3)	FS 102 (1)	
MUSI 239 (3) or THEA 130 (3)	HUMA 1315 or DRAM 1310	ACCT 231 (3)		
<b>American history:</b>		MGMT 300 (3)		
HIST 231 (3)	HIST 1301	FN 341 (4)		
HIST 232 (3)	HIST 1302	FN 333 (3)		
<b>Government/political science:</b>		ACCT 232 (3)		
POLS 235 (3)	GOVT 2305	MGMT 301 (3)		
POLS 236 (3)	GOVT 2306	HSCS 437 (2) or FN 427 (2)		
<b>Social and behavioral sciences:</b>				
SOC 157 (3) or PSY 131 (3)	SOCI 1301 or PSYC 2301			
<b>Institutional Options:</b>				
SC 135 (3) or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

**BACHELOR OF SCIENCE DEGREE IN HUMAN SERVICES AND CONSUMER SCIENCES  
FOOD AND NUTRITION CONCENTRATION - DEGREE PLAN  
TOTAL CREDITS = 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 132, 133, 135, or 136	3	SOC 157 Intro to Sociology or SOC 238 Intro to Anthro	3
	NUTR 116 Seminar in Nutrition	1	CHEM 131 General Chemistry I	3
	NUTR 235 Introduction to Nutrition	3	CHEM 111 General Chemistry I Lab	1
	SC 135 or SC 136	3	HIST 232 Social and Political History of the US since 1877	3
	HIST 231 Social and Political History of the US to 1877	3	MUSI 239 Fine Arts in Daily Living or THEA 130 Intro to Theatre	3
	FS 102	1		
	<b>17 Hrs</b>		<b>16 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HSCS 233 Seminar In HSCS	3	ENG 2XX	3
	CS 116 Intro to Computer Science	3	NUTR 336 Nutrition through the Life Cycle	3
	NUTR 240 Intro to Food Preparation	3	BIOL 131 Biological Science or BIOL 135	3
	CHEM 132 General Chemistry II	3	BIOL 246 Microbiology Health Related Prof	4
	CHEM 112 General Chemistry II Lab	1		
	<b>16 Hrs</b>		<b>16 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ACCT 231 Principles of Accounting	3	ACCT 232 Principles of Accounting II	3
	MGMT 300 Principles of Management	3	MGMT 301 Personnel and Human Resources Dev	3
	FN 341 Management Principles Food Services System	4	NUTR 350 Culture, Society, and Foods	3
	FN 333 Diet Therapy for Health Professional	3	NUTR 335 Nutrition and Aging	3
	ECON 131 Introductory Economics	3	NUTR 445 Food Systems Management	3
	<b>16 Hrs</b>		<b>15 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	NUTR 423 Community Nutrition	3	NUTR 340 Experimental Foods Lab	3
	HSCS 430 Research in HSCS	3	HSCS 437 or FN 427	2
	FCS 436 Family Resource Management	3	NUTR 440 Food Production Systems	2
	Elective	3	NUTR 440L Food Production Systems Lab	2
			Elective	3
	<b>12 Hrs</b>		<b>12 Hrs</b>	

## DEPARTMENT OF MUSIC

The mission of the Department of Music is to accept students at their level of expertise and provide them with the academic and professional musical training to help them find their relevance on the urban and global stage. This is achieved through curricular offerings designed to lay a strong musical foundation in preparation for a diverse array of music careers including performers, conductors, composers, church musicians, school or private studio educators, music industry professionals, and for graduate/advanced studies in a variety of areas.

The Department of Music is housed in the Rollins- Stewart Music Center and the Rhinehart Music Auditorium with the main departmental office on the first floor of the Rollins-Stewart Music Center in Room 112.

For the B.A. degree in Music, students may select from four curriculum concentrations of study: Performance, Composition, Teacher Certification or Jazz Studies. In lieu of a concentration, students may elect to complete a minor in an area outside of music in addition to the core music content hours. Before students are admitted as music majors, they must first be admitted by the University and satisfy Texas Success Initiative (TSI) requirements after which they may petition the Department for an audition and placement examinations which are necessary for acceptance as a music major. Within each area of concentration, students must also choose an area of emphasis either instrumental, voice, or keyboard. Once accepted, students will be assigned a faculty advisor based on their area of emphasis. Further admission and graduation requirements for the Department are considered below.

- 1) All students must complete courses designated as either major or minor courses with grades of “C” or better. Grades of “C-“are unacceptable.
- 2) Individuals interested in seeking certification for teaching in the public schools of Texas in academic disciplines offered through the Department of Music should contact the **Department of Curriculum and Instruction** in the College of Education at Texas Southern University for application instructions.
- 3) Students pursuing teacher certification must complete the following music content courses with grades of “B” or better:

MUSI 223	Brass and Percussion	2 credits
MUSI 224	Woodwind Instruments	2 credits
MUSI 225	String Instruments	2 credits
MUSI328	Instrumental Techniques	2 credits
MUSI 329	Teaching Music in the Elem. Classroom	3 credits
MUSI 333	Form and Analysis	3 credits
MUSI 337 or 338	Music History I or II	3 credits
MUSI 431	Conducting	3 credits
MUSI 435	Teaching Music in the Secondary Class.	3 credits

- 4) All music majors are required to take a freshman and gateway assessment jury at the conclusion of their second and fourth semesters of applied music (MUSA 122 and 222/232).
- 5) All freshmen music majors will enroll in MUSA 121 and 122 during their first two semesters of applied music regardless of their intended concentration. The results of the freshman assessment jury will determine their qualifying areas of concentration.
- 6) An exit examination is required of all graduating seniors.

**Transfer students may substitute FS 102 with any college level course to complete the total credit hours required for graduation by their degree plan.**

Students interested in pursuing a minor in music must first consult with the Department for assessment and to be assigned a faculty advisor.

**For the minor in Music, the following 21 semester credit hours are required:** MUSI 100 (0 credit), MUSI 141 (2 credits) after successfully passing a placement test, MUSI 146 (1 credit), MUSI 142 (2 credits), MUSI 147 (1 credit), 4 applied music credits or class lab credits ( 4 credits total), 2 music ensemble courses (2 credits total) and 9 upper level elective credits in MUSI or MUSA one of which must be MUSI 337 or MUSI 338. The minimum grade requirement for each course designated is referenced above. Students who minor in Music are required to take MUSI136 (Music Appreciation) as their university core creative arts elective.

**For the minor in Jazz Studies, the following 21 semester credit hours are required:** MUSI 141 (2 credits), MUSI 146 (1 credit), MUSI 142 (2 credits), MUSI 147 (1 credit), MUSI 228 (2 credits), MUSI 229 (2 credits), MUSI 253 (3 credits), MUSI 343 (3 credits),

MUSI UJ (1 credit), MUSI 480 (3 credits) and MUSA 111 (1 credit). Any courses that apply toward a student's major requirements cannot be used to fulfill these minor requirements and must be substituted by courses of equal or greater academic rigor as approved by the advisor. The minor in Jazz Studies is open to music majors and non-music majors who qualify by audition.

The Department offers eight performing groups. These groups are open to all university students and require enrollment for credit. These groups include: University Marching Band, University Concert Band, Jazz Combo, Jazz Big Band, Vocal Jazz, University Choir, Concert Choir, and the Opera Workshop. Interested students should contact the Department Office for additional information.

**In summary, interested students must first gain admission to the University, must meet their TSI responsibility, and must adhere to admission and graduation requirements specified in this section. Students are each assigned an official advisor and provided with extensive advisement upon admission to the Department to ensure proper progression toward graduation. An exit examination is required of graduating seniors. For additional information, students should contact the Department Office at (713)313-7337.**

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Adams, Daniel, Professor, Percussion, Theory and Composition</b>            B.M., Louisiana State University            M.M., University of Miami            D.M.A., University of Illinois at Urbana-Champaign</p>	<p><b>Lee, Richard, Associate Professor, Upper Brass, General Music</b>            B.M. Ed., Texas Southern University            M.M., Colorado State University</p>
<p><b>Alfred, Gwendolyn, Assistant Professor, Voice</b>            B.M., University of Houston            M.M., Lamar University            D.M.A., University of Houston</p>	<p><b>Lundy, Anne, Visiting Instructor, General Music</b>            B.M.E., University of Texas, Austin            M.M., D.M.A., University of Houston</p>
<p><b>Allen, Tanya, Assistant Professor, Music Education</b>            B.A., University of New Orleans            M.M.E., Florida State University            Ph.D., Florida State University</p>	<p><b>Oby, Jason, Professor, Department Chairman</b>            B.M., M.M., Manhattan School of Music            D.M., Florida State University</p>
<p><b>Cha, Jee Sook, Adjunct Instructor, Piano</b>            B.M., Kyung Sung University            M.M., University of Texas, Austin            D.M.A., University of Southern California</p>	<p><b>Perez, Brian, Visiting Instructor, Woodwinds, Jazz Studies</b>            B.M., University of Minnesota, Duluth            M.M., University of Miami            D.M.A., University of Maryland, College Park</p>
<p><b>Connor, David, Adjunct Instructor, Lower Strings</b>            BFA, Carnegie Mellon University            M.M., Rice University</p>	<p><b>Perkyns, Jane, Professor, Piano Coordinator</b>            B.M., Dalhousie University            M.M., The Julliard School            D.M.A., University of British Columbia</p>
<p><b>Fuller, Calvin, Adjunct Instructor (General Music)</b>            B.M. Ed., M.M. Ed., Texas Southern University</p>	<p><b>Rocke Brown, Jolie, Visiting Instructor, Voice</b>            B.M.E., Hartt School of Music            M.M., Loyola College, MD</p>
<p><b>Gibson, Clarence, Instructor, Interim Director of Bands, Lower Brass</b>            B.M.E., Alcorn State University            M.M.E., University of Southern Mississippi</p>	<p><b>Rose, Edwin, Asst. Band Director/Media Specialist</b>            B.A., Texas Southern University            M.B.A., American InterContinental University</p>
<p><b>Gray, Christopher, Instructor, Asst. Band Director, Lower Brass</b>            B.M., Norfolk State University            M.M., Central Michigan University</p>	<p><b>Singleton, Darryl M., Instructor, Associate Band Director</b>            B. M.E., Howard University            M.M., Florida State University</p>
<p><b>Grube, Benjamin, Adjunct Instructor, Upper Strings</b>            B.M., Furman University            M.M., Texas Tech University</p>	<p><b>Wang, Yung Chiu, Adjunct Instructor, Piano</b>            B.M., M.M., San Francisco Conservatory of Music            D.M.A., University of Houston</p>
<p><b>Harris, Howard, Professor (ret.), Jazz, Upper Brass</b>            B.S., Southern University            M.M. Ed., Louisiana State University</p>	<p><b>White, LeTriel, Adjunct Instructor, Woodwinds</b>            B.M. Ed., Baylor University            M.M., Rice University</p>
<p><b>Hesse, Shannon, Adjunct Instructor, Piano</b>            B.M., Westminster Choir College            M.M., Catholic University of America            D.M.A., Eastman School of Music</p>	<p><b>Williams, Kiana, Assistant Professor, Choir</b>            DMA –University of Houston            M.M.E.- Jackson State University            B.M.E - Jackson State University</p>
<p><b>Hubert, Joan, Adjunct Instructor, Voice, General Music</b>            B.A., M.A., Prairie View A &amp;M University</p>	<p><b>Zidaru, Lucian, Associate Professor of Piano</b>            B.M., George Enescu Conservatory - Iasi, Romania            M.M., Southeastern Louisiana University            D.M.A., Louisiana State University</p>



## MUSIC COURSES

- MUSI 100 Seminar I (0-1)**  
Laboratory in music listening and music performance for music majors and minors. May be repeated for up to three semester credits earned. During freshman and sophomore years of enrollment, counted as 0 credit; during junior and senior years of enrollment, counted as 1 semester credit. One hour of lecture per week.
- MUSI 131 Introduction to Music (3)**  
Introduction to the elements of music listening and basic music notation for non-music majors. Three hours of lecture per week. **Listed as MUSI 1301 in the Texas Common Course Numbering System.**
- MUSI 132 Introduction to Computer Music (3)**  
Introductory survey of computers and computer peripherals as used in various musical disciplines, including the fundamentals of computer literacy and music software applications. Three hours of lecture per week. Prerequisite: MUSI 131 or consent of the instructor. **Listed as MUSI 1302 in the Texas Common Course Numbering System.**
- MUSI 136 Music Appreciation (3)**  
Understanding traditional Western Classical music through study of the cultural periods, major composers and their works. A brief overview of musical styles from other world cultures will also be included. Illustrations of music examples will be presented through recordings, in-class performances and outside concert events. Three hours of lecture per week.
- MUSI 141 Theory I (2)**  
Music theory, including basic musicianship, written and keyboard diatonic harmony, and harmonic analysis. Three hours of lecture per week. Prerequisite: MUSI 131 or passage of Theory Placement Exam. Co-requisite: MUSI 146. **Listed as MUSI 1211 in the Texas Common Course Numbering System.**
- MUSI 142 Theory II (2)**  
Continuation of MUSI 141. Three hours of lecture per week. Prerequisites: MUSI 141 and MUSI 146. Co-requisite: MUSI 147. **Listed as MUSI 1212 in the Texas Common Course Numbering System.**
- MUSI 146 Ear Training and Sight Singing I (1)**  
An aural skills course, to be taken concurrently with music theory. Includes ear training, sight singing and dictation. One hour of lecture and one hour of laboratory per week. Co-requisite: MUSI 141. **Listed as MUSI 1116 in the Texas Common Course Numbering System.**
- MUSI 147 Ear Training and Sight Singing II (1)**  
Continuation of MUSI 146, to be taken concurrently with music theory. One hour of lecture and one hour of laboratory per week. Prerequisites: MUSI 141 and MUSI 146. Co-requisite: MUSI 142. **Listed as MUSI 1117 in the Texas Common Course Numbering System.**
- MUSI 171 Class Piano I (1)**  
Study of keyboard functional skills such as harmonization, sight reading, improvisation, and transposition and how they relate to general musicianship. May be substituted for MUSA 111 when specified. Two hours of laboratory per week. **Listed as MUSI 1181 in the Texas Common Course Numbering System.**

<b>MUSI 172</b>	<b>Class Piano II</b> Continuation of MUSI 171. May be substituted for MUSA 112 when specified. Two hours of laboratory per week. Prerequisite: MUSI 171. <b>Listed as MUSI 1182 in the Texas Common Course Numbering System.</b>	<b>(1)</b>
<b>MUSI 173</b>	<b>Voice Class I</b> Class instruction in the fundamentals of tone production, breathing, and diction. Includes an introduction to vocal literature from the standard repertoire Two hours of laboratory per week. <b>Listed as MUSI 1183 in the Texas Common Course Numbering System.</b>	<b>(1)</b>
<b>MUSI 174</b>	<b>Voice Class II</b> Continuation of MUSI 173. Two hours of laboratory per week. Prerequisite: MUSI 173. <b>Listed as MUSI 1184 in the Texas Common Course Numbering System.</b>	<b>(1)</b>
<b>MUSI 223</b>	<b>Brass and Percussion</b> Practical performance course for majors, including principles of intonation, fingering, breathing, embouchure, transposition, sticking, and rudiments. Elementary proficiency on brass and percussion instruments taught. <b>Offered during the spring semester only.</b> One hour of lecture and one hour of laboratory per week.	<b>(2)</b>
<b>MUSI 224</b>	<b>Woodwind Instruments</b> Study of basic performance of woodwind instruments, including the concepts and procedures for woodwind instruction. <b>Offered during the fall semester only.</b> One hour of lecture and one hour of laboratory per week.	<b>(2)</b>
<b>MUSI 225</b>	<b>String Instruments</b> Instruction in performing, teaching, and scoring for violin, viola, cello, and string bass. Organization, program planning, and terminology emphasized. One hour of lecture and one hour of laboratory per week.	<b>(2)</b>
<b>MUSI 228</b>	<b>Jazz Improvisation I</b> Basic techniques of improvisation of various styles, historical developments, and contributions. Two hours of lecture per week. Prerequisites: MUSI 141, MUSI 146, MUSI 142, and MUSI 147.	<b>(2)</b>
<b>MUSI 229</b>	<b>Jazz Improvisation II</b> Continuation of MUSI 228. Prerequisite: MUSI 228	<b>(2)</b>
<b>MUSI 239</b>	<b>Fine Arts in Daily Living</b> Study of visual art, music, drama, and dance with emphasis on the interrelationship and common elements of these art forms and the contributions of selected artists. Three hours of lecture per week. <b>Listed as HUMA 1301 in the Texas Common Course Numbering System.</b>	<b>(3)</b>
<b>MUSI 241</b>	<b>Theory III</b> Continuation of MUSI 141 and MUSI 142, including advanced chromatic harmony, analysis, and the expression of musical ideas in form. Three hours of lecture and per week. Prerequisites: MUSI 142 and MUSI 147. Co-requisite: MUSI 246. <b>Listed as MUSI 2211 in the Texas Common Course Numbering System.</b>	<b>(2)</b>
<b>MUSI 242</b>	<b>Theory IV</b> Continuation of MUSI 241. Three hours of lecture per week. Prerequisites: MUSI 241 and MUSI 246. Co-requisite: MUSI 247. <b>Listed as MUSI 2212 in the Texas Common Course Numbering System.</b>	<b>(2)</b>
<b>MUSI 246</b>	<b>Ear Training and Sight Singing III</b> Continuation of MUSI 147, with greater complexity in rhythms and chromatic harmony, to be taken concurrently with music theory. One hour of lecture and one hour of laboratory per week. Prerequisites: MUSI 142 and MUSI 147. Co-requisite: MUSI 241. <b>Listed as MUSI 2116 in the Texas Common Course Numbering System.</b>	<b>(1)</b>

<b>MUSI 247</b>	<b>Ear Training and Sight Singing IV</b> Continuation of MUSI 246, to be taken concurrently with music theory. One hour of lecture and one hour of laboratory per week. Prerequisites: MUSI 241 and MUSI 246. Co-requisite: MUSI 242. <b>Listed as MUSI 2117 in the Texas Common Course Numbering System.</b>	<b>(1)</b>
<b>MUSI 253</b>	<b>Jazz Theory I</b> Identification and application of basic harmonic, melodic and rhythmic elements. Required of jazz majors and minors. Open to all music majors as an elective. Prerequisite: MUSI 141 and MUSI 146 or consent of instructor.	<b>(3)</b>
<b>MUSI 254</b>	<b>Jazz Composition</b> Composition study and analysis with application of advanced harmonic and rhythmic formats along with production of original student works. Prerequisite: MUSI 253.	<b>(3)</b>
<b>MUSI 271</b>	<b>Class Piano III</b> Continuation of MUSI 172. May be substituted for MUSA 211 when specified. Two hours laboratory per week. Listed as MUSI 2181 in the Texas Common Course Numbering System.	<b>(1)</b>
<b>MUSI 272</b>	<b>Class Piano IV</b> Continuation of MUSI 271. May be substituted for MUSA 212 when specified. Two hours of laboratory per week. Listed as MUSI 2182 in the Texas Common Course Numbering System.	<b>(1)</b>
<b>MUSI 300</b>	<b>Junior Recital</b> Solo recital required of students pursuing the B.A. in Music, Applied Performance Specialty. Must be taken concurrently with appropriate Applied Music course.	<b>(0)</b>
<b>MUSI 322</b>	<b>Diction for Singers</b> Application of vocal pronunciation and techniques of Italian, German, French, and English songs. Three hours of lecture per week. <b>Offered during the fall semester only.</b>	<b>(3)</b>
<b>MUSI 325</b>	<b>Song Literature</b> Study of the evolution of solo singing and the art of song, as well as song repertoire for all voice classifications. Three hours of lecture per week. <b>Offered during the spring semester only.</b>	<b>(3)</b>
<b>MUSI 328</b>	<b>Instrumental Techniques</b> Study of instrumental literature, management, rehearsal techniques, and problems of instrumental care and maintenance. <b>Offered during the fall semester only.</b> Two hours of lecture per week.	<b>(2)</b>
<b>MUSI 329</b>	<b>Teaching Music in the Elementary Classroom</b> Study of music the concepts and principles of teaching and learning for elementary music classrooms. Includes exploration of traditional and contemporary methods of teaching. <b>Offered during the fall semester only.</b> Three hours of lecture per week.	<b>(3)</b>
<b>MUSI 331</b>	<b>Counterpoint</b> Study of tonal counterpoint in two, three, and four voices; analysis and composition of 18th century polyphony with emphasis on canon, invention, and fugue. Three hours of lecture per week. <b>Offered during the fall semester only.</b> Prerequisite: MUSI 242.	<b>(3)</b>
<b>MUSI 333</b>	<b>Form and Analysis</b> Study of small and large musical forms in a tonal context with emphasis on binary, ternary, sonata-allegro, rondo forms, concerto, and variation procedures. Three hours of lecture per week. <b>Offered during the spring semester only.</b> Prerequisite: MUSI 242.	<b>(3)</b>
<b>MUSI 335</b>	<b>Orchestration</b> Practical study of writing and arranging for the orchestral instruments as well as score reading and analysis of effects heard in extensive orchestral recordings. Three hours of lecture per week. Prerequisite: MUSI 242.	<b>(3)</b>
<b>MUSI 336</b>	<b>Advanced Jazz Improvisation</b> Continuation of MUSI 229 with applications in advanced harmonic and rhythmic formats from bebop	<b>(2)</b>

to contemporary.

- MUSI 337 History of Music I (3)**  
Comprehensive study of the historical periods in music from antiquity to the present. Listening, analysis, and research activities included. Four hours of lecture per week. **Offered during the fall semester only.** Prerequisites: MUSI 141, MUSI 146, MUSI 142, and MUSI 147.
- MUSI 338 History of Music II (3)**  
Continuation of MUSI 337. Four hours of lecture per week. **Offered during the spring semester only.** Prerequisites: MUSI 141, MUSI 146, MUSI 142, and MUSI 147.
- MUSI 339 Music for Young Children (3)**  
Fundamental principles, methods, and materials of music for nursery and primary children with emphasis on contemporary and traditional methods for ages three through eight. Three hours of lecture per week.
- MUSI 343 Jazz History (3)**  
A chronological examination of jazz styles and major artists of jazz from pre-jazz forms to the present. Offered as needed.
- MUSI 347 Basic Music Procedures (3)**  
Exploration of the fundamentals of music through singing, listening, movement, and instrumental play. Emphasis on creative music and movement activities for elementary school children. Three hours of lecture per week.
- MUSI 355 Jazz Arranging (3)**  
Arranging compositions in various jazz styles and group combinations. Prerequisite: MUSI 253.
- MUSI 390 Independent Study in Music I (3)**  
Selected topics in music and music education. Developed to provide enhanced curricular options in the concentration for upper music majors at the junior level. May be repeated.
- MUSI 400 Senior Recital (0)**  
Solo recital required of all students pursuing the B.A. in Music. Must be taken concurrently with the appropriate Applied Music course.
- MUSI 401 Capstone Seminar in Music (3)**  
Directed research, reading, and discussion to integrate historical, stylistic, and theoretical concepts acquired throughout the major. The EXIT examination will be administered in this course.
- MUSI 431 Conducting Fundamentals (3)**  
Fundamentals of choral and instrumental conducting, stylistic interpretation, terminology, instrumental transposition, score reading, and rehearsal skins. Three hours of lecture per week. Prerequisite: Junior standing.
- MUSI 435 Teaching Music in the Secondary Classroom (3)**  
Study of the classroom organization, materials, and teaching strategies for secondary school music education. Offered during the spring semester only. Three hours of lecture per week.
- MUSI 439 Piano-Voice Pedagogy (3)**  
Study and examination of the process of teaching voice and piano with emphasis on technique, style and specific literature for each instrument. Standard practices and modalities will also be reviewed. Offered during the fall semester only. Two hours of lecture per week.
- MUSI 480 Business of Music (3)**  
A study of contracts, copyrights, and marketing for the career musical artist. Required of Jazz Studies music majors. Open to all students as an elective.
- MUSI 490 Independent Study in Music II (3)**

Selected topics in music and music education. Developed to provide enhanced curricular options in the concentration for upper music majors at the senior level. May be repeated.

<b>MUSI CC</b>	<b>Concert Choir</b> (1) An organization of specially selected singers performing major concerts on and off campus. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.
<b>MUSI OW</b>	<b>Opera Workshop</b> (1) A small musical ensemble performing operatic repertoire on and off campus. Membership based on audition. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor. Listed as MUSI 1157 and MUSI 1158 in the Texas Common Course Numbering System.
<b>MUSI UB</b>	<b>University Band</b> (1) A musical ensemble required of all majors and open to all university students based on audition. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.
<b>MUSI UC</b>	<b>University Choir</b> (1) A music choral laboratory, required of majors and open to all university students, performing a wide range of standard, sacred, and secular repertoire. Three hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.
<b>MUSI JEC</b>	<b>University Jazz Ensemble Combo</b> (1) Performing jazz compositions from the bebop era through the contemporary. Prerequisite: Jazz Music major or minor status or approval by audition. This course may be repeated for credit.
<b>MUSI JBB</b>	<b>University Jazz Ensemble Big Band</b> (1) Performing original and standard charts from the Big Band Era, through contemporary styles. Prerequisite: Jazz Music major or minor status or approval by audition. This course may be repeated for credit.
<b>MUSI VJE</b>	<b>University Vocal Jazz Ensemble</b> (1) Performing jazz compositions and arrangements for voices. Prerequisite: Jazz Music major or minor status or approval by audition. This course may be repeated for credit.
<b>MUSI LJE</b>	<b>University Latin Jazz Ensemble</b> (1) Performing Latin Jazz arrangements, covering traditional and contemporary materials. Prerequisite: Jazz Music major or minor status or approval by audition. This course may be repeated for credit.
<b>MUSI UO</b>	<b>University Chamber Orchestra</b> (1) An instrumental ensemble open to music majors and all university students based on audition. Performs "Classical," "Sacred," and "Jazz" musical genres. Two hours of laboratory per week. May be repeated for credit. Prerequisite: Consent of the instructor.

## APPLIED MUSIC COURSES

Applied Music courses are for majors and minors in Music. In scheduling each course referenced as Applied Music, the individual sections are provided with an alphabetic code (with the exception of Applied Composition) to specify the applied instrument selected for the semester or term under consideration. Each designated course number is also coded according to year, concentration, credit, and semester or term. For example, MUSA 121K would correspond to first or freshman year, certification or general concentration, first semester, piano. The following instrument codes are noted:

CODE	INSTRUMENT	CODE	INSTRUMENT
B	Brass	S	Strings
K	Piano (Keyboards)	V	Voice
P	Percussion	W	Woodwinds

<b>MUSA 111</b>	<b>Applied Music</b> Performance in a secondary medium emphasizing the development of musicianship and technical skills. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week.	<b>(1)</b>
<b>MUSA 112</b>	<b>Applied Music</b> Continuation of MUSA 111. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 111.	<b>(1)</b>
<b>MUSA 121</b>	<b>Applied Music</b> Performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for majors. One hour of laboratory per week.	<b>(1)</b>
<b>MUSA 122</b>	<b>Applied Music</b> Continuation of MUSA 121. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 121.	<b>(1)</b>
<b>MUSA 131</b>	<b>Applied Music</b> Intensive performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for majors. Two hours of laboratory per week. Prerequisite: Consent of the instructor.	<b>(2)</b>
<b>MUSA 132</b>	<b>Applied Music</b> Continuation of MUSA 131. Two hours of laboratory per week. Prerequisites: MUSA 131 and consent of the instructor.	<b>(2)</b>
<b>MUSA 211</b>	<b>Applied Music</b> Performance in a secondary medium emphasizing the development of musicianship and technical skills. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 112.	<b>(1)</b>
<b>MUSA 212</b>	<b>Applied Music</b> Continuation of MUSA 211. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 211.	<b>(1)</b>
<b>MUSA 221</b>	<b>Applied Music</b> Performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 122.	<b>(1)</b>
<b>MUSA 222</b>	<b>Applied Music</b> Continuation of MUSA 221. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 221.	<b>(1)</b>
<b>MUSA 231</b>	<b>Applied Music</b> Intensive performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 132 and consent of the instructor.	<b>(2)</b>

<b>MUSA 232</b>	<b>Applied Music</b> Continuation of MUSA 231. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 231 and consent of the instructor.	<b>(2)</b>
<b>MUSA 260</b>	<b>Applied Composition I</b> Individual study of the techniques of vocal, instrumental, and electronic music composition in various styles. Two hours of laboratory per week. Prerequisite: Consent of the instructor	<b>(2)</b>
<b>MUSA 261</b>	<b>Applied Composition II</b> Continuation of MUSA 260. Two hours of laboratory per week. Prerequisites: MUSA 260 and consent of the instructor.	<b>(2)</b>
<b>MUSA 311</b>	<b>Applied Music</b> Performance in a secondary medium emphasizing the development of musicianship and technical skills. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 212.	<b>(1)</b>
<b>MUSA 312</b>	<b>Applied Music</b> Continuation of MUSA 311. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 311.	<b>(1)</b>
<b>MUSA 321</b>	<b>Applied Music</b> Performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 222.	<b>(1)</b>
<b>MUSA 322</b>	<b>Applied Music</b> Continuation of MUSA 321. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 321.	<b>(1)</b>
<b>MUSA 331</b>	<b>Applied Music</b> Intensive performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 232 and consent of the instructor.	<b>(2)</b>
<b>MUSA 332</b>	<b>Applied Music</b> Continuation of MUSA 331. Offered each semester for performance and jazz specialty majors. Two hours of laboratory per week. Prerequisites: MUSA 331 and consent of the instructor.	<b>(2)</b>
<b>MUSA 360</b>	<b>Applied Composition III</b> Continuation of MUSA 261Two hours of laboratory per week. Prerequisites: MUSA 261 and consent of the instructor.	<b>(2)</b>
<b>MUSA 361</b>	<b>Applied Composition IV</b> Continuation of MUSA 360. Two hours of laboratory per week. Prerequisites: MUSA 360 and consent of the instructor.	<b>(2)</b>
<b>MUSA 411</b>	<b>Applied Music</b> Performance in a secondary medium emphasizing the development of musicianship and technical skills. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 312.	<b>(1)</b>
<b>MUSA 412</b>	<b>Applied Music</b> Continuation of MUSA 411. Offered each semester for minors and as a secondary MUSA course for majors. One-half hour of laboratory per week. Prerequisite: MUSA 411.	<b>(1)</b>
<b>MUSA 421</b>	<b>Applied Music</b> Performance in a principal medium emphasizing the development of musicianship and technical skills. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 322.	<b>(1)</b>
<b>MUSA 422</b>	<b>Applied Music</b> Continuation of MUSA 421. Offered each semester for majors. One hour of laboratory per week. Prerequisite: MUSA 421.	<b>(1)</b>







**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN MUSIC (WITH MINOR)  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (MUSIC)	OTHER REQUIREMENTS	MINOR
TSU COURSES	TCCNS EQUIVALENT			
42 credits		46 credits	11 credits	21 credits
<b>Communication:</b>		MUSI 100 (1) ^	FS 102 (1)	Contact department of choice after being admitted as a Music
ENG 131 (3) *	ENGL 130 1	MUSI 132 (3)	MUSA 221 (1) {B, K, P, S, V, or W}	
ENG 132 (3)	ENGL 130 2	MUSI 141 (2)	MUSA 222 (1) {B, K, P, S, V, or W}	
<b>Mathematics:</b>		MUSI 146 (1)	MUSA 321 (1) {B, K, P, S, V, or W}	Major and being advised by the major
MATH 132, 133, 135, or 136 (3)	MATH 1332, 1314, 1324, or 2312	MUSI 142 (2)	MUSA 322 (1) {B, K, P, S, V, or W}	
<b>Life and physical sciences:</b>		MUSI 147 (1)	MUSA 421 (1) {B, K, P, S, V, or W}	advisor
BIOL 143 (3)	BIOL 1308	MUSI 171 or MUSI 173 (1)	Music Electives (5)	
Science elective (3)**		MUSI 241 (2)		
<b>Language, philosophy, and culture:</b>		MUSI 246 (1)		
ENG 2xx (3) ***		MUSI 242 (2)		
<b>Creative arts:</b>		MUSI 247 (1)		
MUSIC 136 (3)	MUSIC 1306	MUSI 331 or MUSI 439 (3)		
<b>American history:</b>		MUSI 333 (3)		
HIST 231 (3)	HIST 1301	MUSI 335 or MUSI 322 (3)		
HIST 232 (3)	HIST 1302	MUSI 337 (3)		
<b>Government/political science:</b>		MUSI 338 (3)		
POLS 235 (3)	GOVT 2305	MUSI 400 (0)		
POLS 236 (3)	GOVT 2306	MUSI 401 (3)		
<b>Social and behavioral sciences:</b>		MUSI 431 (3)		
Social and Behavior Science Elective (3)****		MUSI Ensemble (5)		
<b>Institutional Options:</b>		MUSA 121 {B, K, P, S, V, or W} (1)		
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315	MUSA 122 {B, K, P, S, V, or W} (1)		
CS 116, MIS 204, EDCI 210 (3) or Other*****	COSC 1301, BCIS 1305	MUSI 272 or MUSA 411K, or 422K (1) -See advisor for course appropriate to applied emphasis		

\* (N) represents the number of course credits.

\*\*Science Elective must be selected from one of the TSU Core Curriculum approved options

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* SOC 157; SOC 158; SOC 221; SOC 238; GEOG 132; PSY 131

\*\*\*\*\*Other Institutional Options can include a course from the Math, Science, English, Fine Arts, or Social Science Courses from the Core Curriculum

^ Students must register in MUSI 100 for 7 semesters; 6 semesters for 0 credit and 1 semester for 1 credit

**BACHELOR OF ARTS DEGREE IN MUSIC (WITH MINOR) - DEGREE PLAN**  
**TOTAL CREDITS = 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 132, 133, 135, or 136	3	BIOL 143 Survey of Life Science	3
	SC 135 or SC 136	3	HIST 231 Soc & Pol History of US to 1877	3
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 141 Theory I	2	MUSI 132 Intro to Computer Music	3
	MUSI 146 Ear Training/Sight Singing I	1	MUSI 142 Theory II	2
	MUSI 171 or 173: Class Piano/Voice Class I	1	MUSI 147 Ear Training/Sight Singing II	1
	MUSI Ensemble	1	MUSI Ensemble	1
	MUSA 121 Applied Music	1	MUSA 122 Applied Music	1
FS 102	1			
	<b>16 Hrs</b>		<b>17 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HIST 232 Soc & Pol History of US since 1877	3	Life and Physical Science Elective	3
	ENG 2XX	3	Institutional Option	3
	Social/Behavioral Science elective	3	MUSI 136 Music Appreciation	3
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 241 Theory III	2	MUSI 242 Theory IV	2
	MUSI 246 Ear Training/ Sight Singing III	1	MUSI 247 Ear Training/Sight Singing IV	1
	MUSI Ensemble	1	MUSI Ensemble	1
	MUSA 221 Applied Music	1	MUSA 222 Applied Music	1
	<b>17 Hrs</b>		<b>17 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 331 Counterpoint OR MUSI 439 Voice/Piano Pedagogy	3	MUSI 333 Form and Analysis	3
	MUSI 337 Music History I	3	MUSI 338 Music History II	3
	MUSI Ensemble	1	MUSA 322 Applied Music	1
	MUSA 321 Applied Music	1	Minor requirement	3
	MUSI elective	3	Minor requirement	3
	Minor requirement	3		
	<b>14 Hrs</b>		<b>13 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MUSI 100 Seminar	1	MUSI 272 or MUSA 411K or MUSA 422K	1
	MUSI 335 Orchestration OR MUSI 322 Diction for Singers	3	MUSI 401 Capstone in Music	3
	MUSI 400 Senior Recital	0	MUSI 431 Conducting	3
	MUSA 421 Applied Music	1	Minor requirement	3
	MUSI elective	2	Minor requirement	3
	Minor requirement	3		
	Minor requirement	3		
	<b>13 Hrs</b>		<b>13 Hrs</b>	

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN MUSIC  
WITH TEACHER CERTIFICATION  
TOTAL CREDITS REQUIRED: 129**

CORE CURRICULUM (STANDARD)*		MAJOR (MUSIC)	CERTIFICATION CORE REQUIREMENTS	CERTIFICATION REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		46 credits	19 credits	21 credits
<b>Communication:</b>		MUSI 100 (1) ^^	MUSI 223 (2)	Enroll in College of Education
ENG 131 (3) *	ENGL 130 1	MUSI 132 (3)	MUSI 224 (2)	certification program
ENG 132 (3)	ENGL 130 2	MUSI 141 (2)	MUSI 225 (2)	
<b>Mathematics:</b>		MUSI 146 (1)	MUSI 328 (2)	EDCI 310 (3)
MATH 132, 133, 135, or 136 (3)	MATH 1332, 1314, 1324, or 2312	MUSI 142 (2)	MUSI 329 (3)	EDCI 339 (3)
<b>Life and physical sciences:</b>		MUSI 147 (1)	MUSI 435 (3)	EDCI 328 (3)
BIOL 143 (3)	BIOL 1308	MUSI 171 or MUSI 173 (1)		EDCI 350 (3)
Science elective (3)**		MUSI 241 (2)	MUSA 221 {B,K,P,S,V, or W} (1)	EDCI 468 (6)
<b>Language, philosophy, and culture:</b>		MUSI 246 (1)	MUSA 222 {B,K,P,S,V, or W} (1)	RDG 401 (3)
ENG 2xx (3) ***		MUSI 242 (2)	MUSA 321 {B,K,P,S,V, or W} (1)	
<b>Creative arts:</b>		MUSI 247 (1)	MUSA 322 {B,K,P,S,V, or W} (1)	<b>OTHER REQUIREMENTS 1 Credit</b>
MUSIC 136 (3)	MUSIC 1306	MUSI 331 or MUSI 439 (3)	MUSA 421 {B,K,P,S,V, or W} (1)	FS 102 (1)
<b>American history:</b>		MUSI 333 (3)		
HIST 231 (3)	HIST 1301	MUSI 335 or MUSI 322 (3)		
HIST 232 (3)	HIST 1302	MUSI 337 (3)		
<b>Government/political science:</b>		MUSI 338 (3)		
POLS 235 (3)	GOVT 2305	MUSI 400 (0)		
POLS 236 (3)	GOVT 2306	MUSI 401 (3)		
<b>Social and behavioral sciences:</b>		MUSI 431 (3)		
PSY 131 (3)****	PSYC 2301	MUSI Ensemble (5)		
<b>Institutional Options:</b>		MUSA 121 {B, K, P, S, V, or W} (1)		
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315	MUSA 122 {B, K, P, S, V, or W} (1)		
EDCI 210 (3)	COSC 1301	MUSA 411K, or 422K (1) - See advisor for course appropriate to applied emphasis		

\* (N) represents the number of course credits.

\*\*Science Elective must be selected from one of the TSU Core Curriculum approved options

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* SOC 157; SOC 158; SOC 221; SOC 238; GEOG 132; PSY 131

^ Degree plan consists of 120 hours and 9 additional credit hours for completion of certification requirements

^^ Students must register in MUSI 100 7 semesters; 6 semesters for 0 credit and 1 semester for 1 credit

**BACHELOR OF ARTS DEGREE IN MUSIC  
WITH TEACHER CERTIFICATION - DEGREE PLAN  
TOTAL CREDITS = 129**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 132, 133, 135, or 136	3	MUSI 136 Music Appreciation	3
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 141 Theory I	2	MUSI 142 Theory II	2
	MUSI 146 Ear Training/Sight Singing I	1	MUSI 147 Ear Training/Sight Singing II	1
	MUSI 171 or 173: Class Piano/Voice Class I	1	MUSI Ensemble	1
	MUSI Ensemble	1	MUSI 223 Brass and Percussion	2
	MUSA 121 Applied Music	1	MUSA 122 Applied Music	1
	FS 102	1		
		<b>13 Hrs</b>		<b>13 Hrs</b>
		<b>Summer Session I and /or II</b>		
		Life and Physical Science option	3	
		SC 135 or SC 136	3	
			<b>6 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	HIST 231 Soc & Pol History of US to 1877	3	EDCI 210 Instructional Technology I	3
	ENG 23X	3	POLS 236 Texas Government	3
	POLS 235 American Government	3	HIST 232 Soc & Pol History of US since 1877	3
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 241 Theory III	2	MUSI 242 Theory IV	2
	MUSI 246 Ear Training/ Sight Singing III	1	MUSI 247 Ear Training/Sight Singing IV	1
	MUSI Ensemble	1	MUSI Ensemble	1
	MUSA 221 Applied Music	1	MUSA 222 Applied Music	1
	MUSI 224 Woodwind Instruments	2	MUSI 225 String Instruments	2
		<b>16 Hrs</b>		<b>16 Hrs</b>
		<b>Summer Session I and /or II</b>		
		PSY 131	3	
		BIOL 143	3	
			<b>6 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 335 Orchestration or MUSI 322 Diction for Singers	3	MUSI 333 Form and Analysis	3
	MUSI 337 Music History I	3	MUSI 338 Music History II	3
	MUSI Ensemble	1	MUSI 431 Conducting	3
	MUSI 331 Counterpoint or MUSI 439 Voice/Piano Pedagogy	3	MUSI 435 Secondary Methods	3
	MUSA 321 Applied Music	1	MUSA 322 Applied Music	1
	MUSI 329 Teaching Music in Elementary Class	3		
	MUSI 328 Instrumental Techniques	2		
		<b>16</b>		<b>13</b>

		Hrs		Hrs
<b>Fourth Year</b>	<b>SEVENTH SEMESTER</b>		<b>EIGHTH SEMESTER</b>	
	MUSI 100 Seminar	1	MUSI 132 Intro to Computer Music	3
	MUSI 400 Senior Recital	0	EDCI 328 Psy of Learning, Growth & Development.	3
	MUSI 401 Capstone in Music	3	EDCI 350 Effective Instructional Strategies	3
	MUSA 421 Applied Music	1	RDG 401 Read for Diverse Populations	3
	MUSA 411K or 422K	1		
	EDCI 310 Principle And Found of Education	3		12 Hrs
	EDCI 339 Classroom Management	3	<b>Summer Session I and /or II</b>	
			EDCI 468 Directed Student Teaching	6
		12 Hrs		6 Hrs

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN MUSIC  
(PERFORMANCE or COMPOSITION)  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (MUSIC)	OTHER REQUIREMENTS	CONCENTRATION REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		46 credits	14 credits	18 credits
<b>Communication:</b>		MUSI 100 (1)^	FS 102 (1)	Select one of the
ENG 131 (3) *	ENGL 130 1	MUSI 132 (3)	Foreign Language (3)	following sets :
ENG 132 (3)	ENGL 130 2	MUSI 141 (2)		<b>Applied Performance</b>
<b>Mathematics:</b>		MUSI 146 (1)	Select one of the following sets:	MUSI Ensembles (3 additional)
MATH 132, 133, 135, or 136 (3)	MATH 1332, 1314, 1324, or 2312	MUSI 142 (2)	<b>Voice Emphasis:</b>	MUSA 231 (B,K,P,S,V or W) (2)
<b>Life and physical sciences:</b>		MUSI 147 (1)	MUSI 322 (3)	MUSA 232 (B,K,P,S,V or W) (2)
BIOL 143 (3)	BIOL 1308	MUSI 171 or MUSI 173 (1)	MUSI 325 (3)	MUSA 331 (B,K,P,S,V, or W) (2)
Science elective (3)**		MUSI 241 (2)	MUSI 439 (3)	MUSA 332 (B,K,P,S, V or W) (2)
<b>Language, philosophy, and culture:</b>		MUSI 246 (1)	MUSI Elective (1)	MUSA 431 (B,K,P,S,V or W) (2)
ENG 2xx (3) ***		MUSI 242 (2)		MUSA 432 (B,K,P,S,V or W) (2)
<b>Creative arts:</b>		MUSI 247 (1)	<b>Piano Emphasis:</b>	MUSA/MUSI Elective (3)
MUSI 136 (3)	MUSIC 1306	MUSI 300 (0)	MUSI 439 (3)	<b>Composition</b>
<b>American history:</b>		MUSI 331 (3)	MUSI electives (7)	MUSA 211 (B,K,P,S,V or W) (1)
HIST 231 (3)	HIST 1301	MUSI 333 (3)		MUSA 212 (B,K,P,S,V or W) (1)
HIST 232 (3)	HIST 1302	MUSI 335 (3)	<b>Instrumental Emphasis:</b>	MUSA 311 (B,K,P,S,V or W) (1)
<b>Government/political science:</b>		MUSI 337 (3)	MUSI electives (10)	MUSA 312 (B,K,P,S,V or W) (1)
POLS 235 (3)	GOVT 2305	MUSI 338 (3)		MUSA 411 (B,K,P,S,V or W) (1)
POLS 236 (3)	GOVT 2306	MUSI 400 (0)		MUSA 412 (B,K,P,S,V or W) (1)
<b>Social and behavioral sciences:</b>		MUSI 401 (3)		MUSA 260 (2)
Social and Behavior Science Elective (3)****		MUSI 431 (3)		MUSA 261 (2)
<b>Institutional Options:</b>		MUSI Ensembles (5)		MUSA 360 (2)
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315	MUSA 121 (B,K,P,S,V, or W) (1)		MUSA 361 (2)
CS 116, MIS 204, EDCI 210 (3) or Other*****	COSC 1301, BCIS 1305	MUSA 122 (B,K,P,S,V, or W) (1)		MUSA 460 (2)
		MUSI 272 or MUSA 411K, or MUSA 422K (1) -See advisor for course appropriate to applied emphasis		MUSA 461 (2)

\* (N) represents the number of course credits.

\*\*Science Elective must be selected from one of the TSU Core Curriculum approved options

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* SOC 157; SOC 158; SOC 221; SOC 238; GEOG 132; PSY 131

\*\*\*\*\*Other Institutional Options can include a course from the Math, Science, English, Fine Arts, or Social Science Courses from the Core Curriculum

^ Students must register in MUSI 100 each semester; 7 semesters for 0 credit and 1 semester for 1 credit

**BACHELOR OF ARTS DEGREE IN MUSIC  
(PERFORMANCE) - DEGREE PLAN  
TOTAL CREDITS = 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 132, 133, 135, or 136	3	BIOL 143 Survey of Life Science	3
	SC 135 or SC 136	3	HIST 231 Soc & Pol History of US to 1877	3
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 141 Theory I	2	MUSI 132 Intro to Computer Music	3
	MUSI 146 Ear Training/Sight Singing I	1	MUSI 142 Theory II	2
	MUSI 171 or 173: Class Piano/Voice Class I	1	MUSI 147 Ear Training/Sight Singing II	1
	MUSI Ensemble	1	MUSI Ensemble	1
	MUSA 121 Applied Music	1	MUSA 122 Applied Music	1
	FS 102	1		
	<b>16 Hrs</b>		<b>17 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HIST 232 Soc & Pol History of US since 1877	3	Life and Physical Science Elective	3
	ENG 2XX	3	Institutional Option	3
	Social/Behavioral Science elective	3	MUSI 136 Music Appreciation	3
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 241 Theory III	2	MUSI 242 Theory IV	2
	MUSI 246 Ear Training/ Sight Singing III	1	MUSI 247 Ear Training/Sight Singing IV	1
	MUSI Ensemble	1	MUSI Ensemble	1
	MUSA 231 Applied Music	2	MUSA 232 Applied Music	2
	<b>18 Hrs</b>		<b>18 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 331 Counterpoint	3	MUSI 333 Form and Analysis	3
	MUSI 337 Music History I	3	MUSI 338 Music History II	3
	MUSI Ensemble	1	MUSI 300 Junior Recital	0
	MUSI 322 Diction for Singers or MUSI Elective	3	MUSI Ensemble	1
	MUSA 331 Applied Music	2	MUSA 332 Applied Music	2
			MUSI 325 Song Literature OR MUSI elective	3
			Foreign Language	3
	<b>12 Hrs</b>		<b>15 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MUSI 100 Seminar	0	MUSI 100 Seminar	1
	MUSI 335 Orchestration	3	MUSI 400 Senior Recital	0
	MUSA 431 Applied Music	2	MUSI 401 Capstone in Music	3
	MUSI Ensemble	1	MUSI 431 Conducting	3
	MUSI 439 Voice/Piano Pedagogy or MUSI elective	3	MUSI Ensemble	1
	MUSI/MUSA elective	3	MUSA 432 Applied Music	2
			MUSI 272 or MUSA 411K or MUSA 422K	1
		MUSI elective	1	
	<b>12 Hrs</b>		<b>12 Hrs</b>	

**BACHELOR OF ARTS DEGREE IN MUSIC  
(COMPOSITION) - DEGREE PLAN  
TOTAL CREDITS = 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 132, 133, 135, or 136	3	BIOL 143 Survey of Life Science	3
	SC 135 or SC 136	3	HIST 231 Soc & Pol History of US to 1877	3
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 141 Theory I	2	MUSI 132 Intro to Computer Music	3
	MUSI 146 Ear Training/Sight Singing I	1	MUSI 142 Theory II	2
	MUSI 171 or 173: Class Piano/Voice Class I	1	MUSI 147 Ear Training/Sight Singing II	1
	MUSI Ensemble	1	MUSI Ensemble	1
	MUSA 121 Applied Music	1	MUSA 122 Applied Music	1
	FS 102	1		
	<b>16 Hrs</b>		<b>17 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HIST 232 Soc & Pol History of US since 1877	3	Life and Physical Science Elective	3
	ENG 2XX	3	Institutional Option	3
	Social/Behavioral Science elective	3	MUSI 136 Music Appreciation	3
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 241 Theory III	2	MUSI 242 Theory IV	2
	MUSI 246 Ear Training/ Sight Singing III	1	MUSI 247 Ear Training/Sight Singing IV	1
	MUSA 260 Applied Composition I	2	MUSA 261 Applied Composition II	2
	MUSA 211 Applied Music	1	MUSA 212 Applied Music	1
		<b>18 Hrs</b>		<b>18 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 331 Counterpoint	3	MUSI 333 Form and Analysis	3
	MUSI 337 Music History I	3	MUSI 338 Music History II	3
	MUSI Ensemble	1	MUSI 300 Junior Recital	0
	MUSI 322 Diction for Singers or MUSI Elective	3	MUSA 312 Applied Music	1
	MUSA 360 Applied Composition III	2	MUSA 361 Applied Composition IV	2
	MUSA 311 Applied Music	1	MUSI 325 Song Literature OR MUSI elective	3
		<b>13 Hrs</b>		<b>12 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MUSI 100 Seminar	0	MUSI 100 Seminar	1
	MUSI 335 Orchestration	3	MUSI 400 Senior Recital	0
	MUSI Ensemble	1	MUSI 401 Capstone in Music	3
	MUSA 460 Applied Composition V	2	MUSI 431 Conducting	3
	MUSA 411 Applied Music	1	MUSI Ensemble	1
	MUSI 439 Voice/Piano Pedagogy or MUSI elective	3	MUSA 412 Applied Music	1
	MUSI elective	1	MUSA 461 Applied Composition IV	2
	Foreign Language	3	MUSI 272 or MUSA 411K or MUSA 422K	1
		<b>14 Hrs</b>		<b>12 Hrs</b>



**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN MUSIC (JAZZ PERFORMANCE)  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (MUSIC)	OTHER REQUIREMENTS	CONCENTRATION REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		46 credits	4 credits	28 credits
<b>Communication:</b>		MUSI 100 (1) ^	FS 102 (1)	MUSI 228 (2)
ENG 131 (3) *	ENGL 130 1	MUSI 132 (3)	Foreign Language (3)	MUSI 229 (2)
ENG 132 (3)	ENGL 130 2	MUSI 141 (2)		MUSI 254 (3)
<b>Mathematics:</b>		MUSI 146 (1)		MUSI 343 (3)
MATH 132, 133, 135, or 136 (3)	MATH 1332, 1314, 1324, or 2312	MUSI 142 (2)		MUSI 480 (3)
<b>Life and physical sciences:</b>		MUSI 147 (1)		Additional MUSI Ensembles (3)
BIOL 143 (3)	BIOL 1308	MUSI 171 or MUSI 173 (1)		MUSA 231 {B,K,P,S,V, or W} (2)
Science elective (3)**		MUSI 241 (2)		MUSA 232 {B,K,P,S,V, or W} (2)
<b>Language, philosophy, and culture:</b>		MUSI 246 (1)		MUSA 331 {B,K,P,S,V, or W} (2)
ENG 2xx (3) ***		MUSI 242 (2)		MUSA 332 {B,K,P,S,V, or W} (2)
<b>Creative arts:</b>		MUSI 247 (1)		MUSA 431 {B,K,P,S,V, or W} (2)
MUSIC 136 (3)	MUSIC 1306	MUSI 253 (3)		MUSA 432 {B,K,P,S,V, or W} (2)
<b>American history:</b>		MUSI 300 (0)		
HIST 231 (3)	HIST 1301	MUSI 333 (3)		
HIST 232 (3)	HIST 1302	MUSI 337 (3)		
<b>Government/political science:</b>		MUSI 338 (3)		
POLS 235 (3)	GOVT 2305	MUSI 355 (3)		
POLS 236 (3)	GOVT 2306	MUSI 400 (0)		
<b>Social and behavioral sciences:</b>		MUSI 401 (3)		
Social and Behavior Science Elective (3)****		MUSI 431 (3)		
<b>Institutional Options:</b>		MUSI Ensembles (5)		
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315	MUSA 121 {B,K,P,S,V, or W} (1)		
CS 116, MIS 204, EDCI 210 (3) or Other*****	COSC 1301, BCIS 1305	MUSA 122 {B,K,P,S,V, or W} (1)		
		MUSI 272 or MUSA 411K, or MUSA 422K (1) -See advisor for course appropriate to applied emphasis		

\* (N) represents the number of course credits.

\*\*Science Elective must be selected from one of the TSU Core Curriculum approved options

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* SOC 157; SOC 158; SOC 221; SOC 238; GEOG 132; PSY 131

\*\*\*\*\*Other Institutional Options can include a course from the Math, Science, English, Fine Arts, or Social Science Courses from the Core Curriculum

^ Students must register in MUSI 100 for 7 semesters; 6 semesters for 0 credit and 1 semester for 1 credit

**BACHELOR OF ARTS DEGREE IN MUSIC  
(JAZZ PERFORMANCE) - DEGREE PLAN  
TOTAL CREDITS = 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 132, 133, 135, or 136	3	BIOL 143 Survey of Life Science	3
	SC 135 or SC 136	3	HIST 231 Soc & Pol History of US to 1877	3
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 141 Theory I	2	MUSI 132 Intro to Computer Music	3
	MUSI 146 Ear Training/Sight Singing I	1	MUSI 142 Theory II	2
	MUSI 171 or 173: Class Piano/Voice Class I	1	MUSI 147 Ear Training/Sight Singing II	1
	MUSI Ensemble	1	MUSI Ensemble	1
	MUSA 121 Applied Music	1	MUSA 122 Applied Music	1
	FS 102	1		
	<b>16 Hrs</b>		<b>17 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	HIST 232 Soc & Pol History of US since 1877	3	POLS 235 American Government	3
	ENG 2XX	3	Life and Physical Science Elective	3
	Social/Behavioral Science elective	3	Institutional Option	3
	MUSI 100 Seminar	0	MUSI 136 Music Appreciation	3
	MUSI 241 Theory III	2	MUSI 100 Seminar	0
	MUSI 246 Ear Training/ Sight Singing III	1	MUSI 242 Theory IV	2
	MUSI Ensemble	1	MUSI 247 Ear Training/Sight Singing IV	1
	MUSI 228 Jazz Improvisation I	2	MUSI Ensemble	1
	MUSA 231 Applied Music	2	MUSA 232 Applied Music	2
	<b>17 Hrs</b>		<b>18 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MUSI 100 Seminar	0	MUSI 100 Seminar	0
	MUSI 253 Jazz Theory	3	MUSI 333 Form and Analysis	3
	MUSI 337 Music History I	3	MUSI 338 Music History II	3
	MUSI Ensemble	1	MUSI 300 Junior Recital	0
	MUSI 229 Jazz Improvisation II	2	MUSI Ensemble	1
	MUSA 331 Applied Music	2	MUSA 332 Applied Music	2
	POLS 236 Texas Government	3	MUSI 254 Jazz Composition	3
	<b>14 Hrs</b>		<b>12 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MUSI 100 Seminar	0	MUSI 100 Seminar	1
	MUSI 355 Jazz Arranging	3	MUSI 400 Senior Recital	0
	MUSA 431 Applied Music	2	MUSI 401 Capstone in Music	3
	MUSI Ensemble	1	MUSI 431 Conducting	3
	MUSI 343 Jazz History	3	MUSI Ensemble	1
	Foreign Language	3	MUSA 432 Applied Music	2
			MUSA 212K or 411K or 422K	1
			MUSI 480 Business of Music	3
		<b>12 Hrs</b>		<b>14 Hrs</b>

## REQUIREMENTS FOR THE MUSIC MINOR

Students interested in a minor course of study in Music must first report to the Music Office in the Department of Music to be as- signed an advisor. To be placed in the appropriate applied music courses, each prospective student must be auditioned and counseled.

The music minor curriculum is an attractive and flexible course of study that can be designed around the strengths of each student. Courses, however, cannot be used to complete requirements for a major in Elementary Education. A minimum of twenty-one (21) semester hours is required.

### Course Requirements

Musi 100	Seminar	0 hrs
Musi 141-146	Theory I and Sight Singing/Ear Training I	3 hrs
Musi 142-147	Theory II and Sight Singing/Ear Training II	3 hrs
Musi Ensemble	Choir, Band, Jazz, Opera Workshop, Orchestra (2 semesters minimum)	2 hrs
Musi	Applied Concentration in one area or a combination of two applied areas: (ie. Musi 171/172 class piano, Musi 173/174 class voice and Musa 111-112, 211-212 in applied music courses)	4 hrs
Music Electives	Upper level courses, one of which must be Music 337 or 338	9 hrs

**The following is a list of recommended electives for students who are interested in the teaching profession:**

Musi 322	Diction for Singers	3 hrs
Musi 325	Song Literature	3 hrs
Musi 328	Instrumental Techniques	2 hrs
Musi 337	History of Music I	3 hrs
Musi 338	History of Music II	3 hrs
Musi 329	Teaching Music in the Elementary Classroom	3 hrs
Musi 343	Jazz History	3 hrs
Musi 431	Conducting	3 hrs
Musi 435	Teaching Music in the Secondary Classroom	3 hrs
Musi 480	Business of Music	3 hrs

## DEPARTMENT OF PSYCHOLOGY

The Department of Psychology at Texas Southern University (TSU) has two degree programs in Psychology, one undergraduate degree, the **Bachelor of Arts (B.A.)**, and one graduate degree, the **Master of Arts (M.A.)**. The Department also offers a minor in Psychology for students pursuing undergraduate degrees in majors of other academic units at TSU. The departmental curriculum includes course offerings in both Psychology (PSY) and Philosophy (PHIL).

**Students interested in the M.A. degree in Psychology are referred to the Graduate School Bulletin of Texas Southern University for general information about admission requirements.**

The mission of the Department of Psychology is to contribute to the development of an individual who has assumed a productive role in society upon completion of a liberal arts education. To fulfill its mission, the Department of Psychology imparts 1) knowledge, skills, and values related to the science and application of psychology; and 2) knowledge, skills, and values consistent with a liberal arts education that are further enhanced by the discipline of psychology. After successful completion of the curriculum plan in psychology, students will:

- (1) demonstrate familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends in psychology;
  - (2) understand and apply basic research methods in psychology, including research design, data analysis, and interpretation;
  - (3) value and use critical and creative thinking, skeptical inquiry, and, when possible, the scientific approach to solve problems related to behavior and mental processes;
  - (4) understand and apply psychological principles to personal, social, and organizational issues;
- and
- (5) be able to weigh evidence, tolerate ambiguity, act ethically, and reflect other values that are the underpinnings of psychology as a discipline.

Students wishing to pursue either the B.A. in Psychology or an undergraduate minor in Psychology must satisfy university requirements and remediate identified deficiencies, as well as petition the Department for admission by completing the appropriate form available through the Departmental Office. Students applying to declare either major or minor in Psychology must

- present evidence of having an overall GPA of 2.50 or better;
- submit official copies of their transcripts;
- have completed PSY 131 (General Psychology) with a grade of "B" or better;
- have their petitions reviewed by the department.

Students are notified of the departmental decision within thirty (30) days after submission of their petitions. New freshmen to the university can declare the major or minor, but their status will be reevaluated after the third semester in the major or minor to determine whether they are eligible to remain in Psychology. Transfer students from other colleges will be admitted to the major or minor in Psychology according to the criteria used to evaluate students who are attempting to transfer internally. Upon admission to the Department, students are each assigned an official advisor, and they are expected to keep the Department Office informed of changes in contact information including home and mailing addresses and telephone number up to graduation.

For the B.A. degree in Psychology, students must declare a minor in another academic discipline (as first-time seekers of an undergraduate degree) at the University and must earn grades of "C" or better in all Psychology and minor courses undertaken. (Grades of "C-" or below are not acceptable in these courses.) In selecting a minor, psychology majors should seek detailed advisement from their designated advisors, because the selection of a minor having representative courses in the core curriculum of study could impact the total number of credits required. Students can remain in the Psychology major or minor as long as they

- maintain a grade of "C" or higher in all Psychology courses with no more than two attempts for a given course;
- do not receive a "F" in two or more courses, or a "D" or lower in three or more courses, in a single semester;
- and maintain an overall GPA of 2.0 or higher in two consecutive semesters

In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours satisfactorily completed. Psychology majors and minors must also have a cumulative GPA of 2.50 across all Psychology courses taken to be eligible for graduation. Prior to graduation, candidates for the B.A. degree in Psychology must apply and must take the departmental exit examination. Students who do not take the exit examination will not be allowed to participate in the graduation ceremony, and must reapply for graduation in the next semester. Students are required to attend mandatory workshops

before admission to the exit exam.

Transfer students may substitute FS 102 with any college level course to complete the total credit hours required for graduation by their degree plan.

For a minor in Psychology, students must first pass PSY 131 (General Psychology) with a grade of “B” or better. Subsequently, nineteen (19) semester credit hours are required through enrollment in six specified courses (credit values indicated) and one elective course to replace PSY 234 if needed. The specified courses are as follows: PSY 233 (3 credits), PSY 234 (3 credits), PSY 240 (4 credits), PSY 338 (3 credits), PSY 433 (3 credits), and PSY 435 (3 credits). The elective courses may be selected from one of the following three-credit courses: PSY 332, PSY 335, PSY 336, PSY 436, PSY 437, PSY 439, PSY 461, and PSY 463. Students must earn grades of “C” or better in the six (6) courses constituting the minor. As is the case for the major in Psychology, minor courses completed by a Psychology Major in another academic discipline must be completed with grades of “C” or better, where grades of “C-“ or below are unacceptable.

For further information regarding the Psychology major or minor requirements, contact the Department Office at (713)-313-7344.

The Department of Psychology is located in the College of Liberal Arts and Behavioral Sciences in Suite 302 on the third floor of the Barbara Jordan - Mickey Leland Building.

## PSYCHOLOGY FACULTY

<b>Moody, Jannis</b> Assistant Professor B.A., Grambling State University M.A., California School of Professional Psychology Ph.D., California School of Professional Psychology	<b>Douglas, Denika</b> Assistant Professor B.A., Texas A&M University Ph.D., University of Houston
<b>Henderson, Floyd T.,</b> Instructor B.A., Texas Southern University M.A., Texas Southern University	

## PSYCHOLOGY COURSES

<b>PSY 131</b>	<b>General Psychology</b> (3) This course is a survey of the essential areas, major theories, and approaches to the scientific study of behavior and mental processes. It is the foundation for the understanding of basic psychological principles underlying human behavior. This course is a prerequisite for all other psychology courses. Three hours of lecture per week. <b>Listed as PSYC 2301 in the Texas Common Course Numbering System.</b>
<b>PSY 233</b>	<b>Life-Span Developmental Psychology</b> (3) This course covers advances in knowledge and theory about human development across the life span. The role of genetics, environment, and maturational processes in cognitive, affective, and behavioral development are covered. Three hours of lecture per week. Prerequisite: PSY 131. <b>Listed as PSYC 2314 in the Texas Common Course Numbering System.</b>
<b>PSY 234</b>	<b>Basic Statistics</b> (3) The course introduces the fundamental concepts underlying statistical procedures and applications such as central tendency, hypothesis testing, normal distribution, probability, random sampling, and variability. The course also provides an overview of the conceptual and formulaic bases for specific techniques including z-test and t-test. Three hours of lecture per week. Prerequisites: PSY 131 and MATH 133.
<b>PSY 236</b>	<b>Advanced Statistics</b> (3) This course builds upon the foundation provided in Basic Statistics by presenting the conceptual and formulaic bases of correlational analyses, ANOVA, and linear regression. Post-hoc and planned comparisons to identify significant between-group differences and covered. Nonparametric statistics are introduced with a focus on chi-square analyses. Three hours of lecture per week. Prerequisites: PSY 131 and PSY 234.
<b>PSY 240</b>	<b>Learning and Behavior</b> (4) The course exposes students to experimental research on animal learning and behavior. Classical conditioning and operant conditioning principles will be reviewed during lectures and demonstrated in virtual lab experiments. Three hours of lecture and one hour of laboratory per week. Prerequisite: PSY 131.
<b>PSY 330</b>	<b>Cognitive Psychology</b> (3) This course covers theory and research on the advances in the study of memory, language processing, perception, problem solving, and thinking. Classical theories and seminal studies on human cognition are also discussed. Three hours of lecture per week. Prerequisites: PSY 131 and PSY 233.
<b>PSY 332</b>	<b>Industrial and Organizational Psychology</b> (3) The course describes the application of theory, research, and practice of psychology to various types of businesses and organizations. The topics covered include vocational and career counseling, personnel selection, aptitude testing, organizational management and behavior, performance evaluation, work motivation, job satisfaction, and employee assistance programs. Three hours of lecture per week. Pre-requisite: PSY 131.
<b>PSY 334</b>	<b>Research Methods</b> (3) The course covers research designs used in experimental and non-experimental research with human participants. Randomized controlled trials, quasi-experiments, longitudinal studies, cross-sectional studies, observational studies, case series are among the designs covered. Qualitative designs such as in-depth interviews and focus groups are also considered. Three hours of lecture per week. Prerequisites: PSY 131 and PSY 234.

<b>PSY 335</b>	<b>African American Psychology</b>	<b>(3)</b>
	The experiences of people of African descent in the U.S. from enslavement to the 21 <sup>st</sup> century in terms of their psychological and behavioral functioning are described in this course. The biopsychosocial correlates of personal and group identity, socioeconomic conditions, racism, and residential segregation in the Black community are discussed. Three hours of lecture per week. Prerequisite: PSY 131.	
<b>PSY 336</b>	<b>Psychological Testing and Measurement</b>	<b>(3)</b>
	Emphasis on the role and function of informal and standardized tests in the mental health and educational settings. The use of group and individual tests in the assessment of the cognitive, affective, and psychomotor domains will be considered. Three hours of lecture per week. Prerequisites: PSY 131 and PSY 234.	
<b>PSY 338</b>	<b>Social Psychology</b>	<b>(3)</b>
	The course covers theory and research on social psychological processes including attitudes, group processes, self and identity, intergroup relations, social influence, social cognition, and social psychological aspects of affect and emotion. Three hours of lecture per week. Prerequisite: PSY 131. <b>Listed as PSYC 2319 in the Texas Common Course Numbering System.</b>	
<b>PSY 433</b>	<b>Abnormal Psychology</b>	<b>(3)</b>
	This course provides a historical overview of the study of abnormal behavior. The diagnosis of psychopathology established in the Diagnostic and Statistical Manual of Mental Disorders (DSM) is covered in detail. Empirical research on the symptomatology of psychological disorders, as well as on psychological treatments, are also presented. Three hours of lecture per week. Prerequisites: PSY 131, PSY 233, PSY 234.	
<b>PSY 435</b>	<b>Psychology of Personality</b>	<b>(3)</b>
	Consideration of the individual as both a social and biological unit by relating each group of factors to the development of personality. Three hours of lecture per week. Prerequisites: Completion of nine (9) semester credit hours in Psychology and consent of the instructor.	
<b>PSY 436</b>	<b>Biological Psychology</b>	<b>(3)</b>
	This course provides an overview of the anatomical structure and biochemical processes in the brain and nervous system as they relate to human cognition, emotions, and behavior. Scientific research and practical examples of central and peripheral nervous system activity that manifest in normal behavior and psychopathology are presented. Three hours of lecture per week. Prerequisites: PSY 131, PSY 233, PSY 330, and BIOL 143.	
<b>PSY 437</b>	<b>Theories in Counseling and Psychotherapy</b>	<b>(3)</b>
	This course reviews the various theoretical models of human behavior change that have influence the development of schools of thought in the field of counseling and psychotherapy. The course covers major theories guiding treatment for problems of living and mental illness from psychodynamic, humanistic, existential, cognitive, and behavioral perspectives. Three hours of lecture per week. Prerequisites: PSY131, PSY 330, and PSY 433.	
<b>PSY 439</b>	<b>Abnormal Child Psychology</b>	<b>(3)</b>
	This course reviews the latest research on psychopathology in childhood and adolescence with an emphasis on the major childhood disorders (the disruptive disorders, anxiety, depression, and pervasive developmental disorders). The main focus is studies of the epidemiology, etiology, assessment, treatment, prognosis, follow-up, and developmental course of child and adolescent disorders. Three hours of lecture per week. Prerequisites: PSY 131, PSY 233, and PSY 433.	
<b>PSY 461</b>	<b>Selected Topics in Psychology</b>	<b>(3)</b>



Seminar which focuses upon selected topics in the field of Psychology. Three hours of lecture per week. Prerequisites: Senior standing and the completion of at least twelve (12) semester credit hours in Psychology.

**PSY 463**                      **Independent Study in Psychology**                      **(3)**  
Investigation of an area in Psychology and/or the conduction of a research project under the direction of a faculty member. Prerequisites: Senior standing and consent of the Faculty Chair.

### **PHILOSOPHY COURSES**

**PHIL 231**                      **Introduction to Philosophy**                      **(3)**  
Exploration of the methods and problems of philosophy through critical discussion and analysis of contemporary social and moral issues. Three hours of lecture per week. **Listed as PHIL 1301 in the Texas Common Course Numbering System.**

**PHIL 431**                      **Aesthetics**                      **(3)**  
Critical examination of classical and contemporary aesthetic theories and their relevance for students' aesthetic experiences. Three hours of lecture per week.

**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS DEGREE  
IN PSYCHOLOGY  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (PSYCHOLOGY)	OTHER REQUIREMENTS	MINOR
TSU COURSES	TCCNS EQUIVALENT			
42 credits		40 credits	17 credits	21 credits
<b>Communication:</b>		PSY 131 (3)	MATH 138 (3)	<b>Contact department</b> of choice after being admitted as a psychology major by the department
ENG 131 (3) **	ENGL 130 1	PSY 233 (3)	PE 1XX (1)	
ENG 132 (3)	ENGL 130 2	PSY 234 (3)	PHIL 231 (3)	
<b>Mathematics:</b>		PSY 236 (3)	Foreign Language (3)	
MATH 135 (3) or MATH 133 (3)	MATH 1324 or MATH 1314	PSY 240 (4)	Foreign Language (3)	
<b>Life and Physical Sciences:</b>		PSY 330 (3)	3XX or 4XX Level Elective (3)	
BIOL 143 (3)	BIOL 1308	PSY 334 (3)	FS 102 (1)	
BIOL 135 (3)	BIOL 2 40 1	PSY 338 (3)		
<b>Language, Philosophy, and Culture:</b>		PSY 433 (3)		
ENG 2xx (3) ***		PSY 435 (3)		
<b>Creative Arts:</b>		PSY 436 (3)		
MUSI 239 or ART 135 (3)	HUMA 1315 or ARTS 1301			
<b>American History:</b>		<b>plus</b> Upper-level electives (6) selected from:		
HIS T 231 (3)	HIST 1301			
HIS T 232 (3)	HIST 1302	PSY 332 (3)		
<b>Government/Political Science:</b>		PSY 335 (3)		
POLS 235 (3)	GOVT 2305	PSY 336 (3)		
POLS 236 (3)	GOVT 2306	PSY 437 (3)		
<b>Social and Behavioral Sciences:</b>		PSY 439 (3)		
SOC 157, SOC 158, or SOC 221 (3)	SOCI 1301 or SOCI 1306 or SOCI 2306	PSY 461 (3)		
<b>Institutional Options:</b>		PSY 463 (3)		
SC 135 or SC 136 (3)	SC 1321 or SC 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF ARTS DEGREE IN  
PSYCHOLOGY - DEGREE PLAN  
TOTAL CREDITS = 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	English 131 Freshman English I	3	English 132 Freshman English II	3
	Math 135 Math for Bus & Eco or Math 133	3	ART135 or MUSI 239	3
	BIOL 143 Survey of Life Science	3	BIOL 135 Human Anatomy and Physiology	3
	SC 135 or SC 136	3	SOC 157 or SOC 158 or SOC 221	3
	PSY 131 General Psychology	3	MATH 138 Math Business & Economic Analysis II	3
	FS 102	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HIST 231 Soc & Political History of U.S.to1877	3	HIST232 Soc & Political History of U.S.since1877	3
	ENG 2XX	3	CS 116 Intro to Computer Science I	3
	PSY 233 Life Span Developmental Psychology	3	PSY 236 Advanced Statistics	3
	PSY 234 Basic Statistics	3	PSY 240 Learning and Behavior	4
		<b>15 Hrs</b>		<b>16 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	PSY 330 Cognitive Psychology	3	PSY 338 Social Psychology	3
	PSY 334 Research Methods	3	PSY 433 Abnormal Psychology	3
	Minor	3	PSY 436 Biological Psychology	3
	Minor	3	Minor	3
	Foreign Language	3	Foreign Language	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	PHIL 231 Introduction to Philosophy	3	Psychology Elective	3
	PSY 435 Psychology of Personality	3	Psychology Elective	3
	PE 1xx	1	Minor	3
	Minor	3	Minor	3
	Minor	3	3XX or 4XX Level Elective	3
		<b>13 Hrs</b>		<b>15 Hrs</b>

## DEPARTMENT OF SOCIAL WORK

The Department of Social Work offers courses in Social Work (SOCW) and the **Bachelor of Arts (B.A.) in Social Work**. The **B.A. in Social Work is accredited by the Council on Social Work Education (CSWE)**. Unlike many of the departments offering undergraduate degrees at the University that allow students from other disciplines to declare minors therein, this unit does not allow the declaration of a minor in Social Work. Additionally, students pursuing the B.A. in Social Work are not required to declare a minor in a second academic discipline.

The mission of the Department of Social Work is to prepare students from diverse backgrounds for entry-level generalist professional social work practice with special attention to the complexities of the urban environment. This preparation, with its foundation in professional knowledge, values, and skills, emphasizes practice with individuals, families, groups, organizations, and communities, especially populations at risk. As reflected in the program goals below, these populations include, in particular, people of color (specifically African Americans) as well as other groups identified as most vulnerable to poverty, violence, disabilities, and economic and social inequities. Further emphasis is placed on the development of advocates for system and policy changes that promote social and economic justice given the challenges of urban settings and global conditions.

The baccalaureate Social Work Program expresses its commitment to social work's purpose, values and ethics throughout the various components of the curriculum wherein students are exposed to the values and ethical foundation consistent with that of the social work profession. The knowledge and skills acquired over the course of the program are directly correlated to the CSWE's nine (9) Core Competencies as defined in the 2015 Educational Policy and Accreditation Standards.

The liberal arts perspective, social science cognates and social work courses (core and electives) provide opportunities to learn about and incorporate the ethical and value orientations necessary for effective practice. Faculty are fully aware of the necessity to introduce to students, nurture and facilitate the continual attention to the values and ethical positions of the profession to guide practice actions. Further instruction supports the professional commitment to continue contributing to the ongoing assessment of these perspectives. Each of the program goals addresses the purpose, values and ethics of the profession to some degree and is derived from its mission in order to:

1. Prepare students for entry-level generalist social work practice with client systems of all sizes and types, especially concerned with the complexities of urban settings.
2. Prepare students for practice with diverse populations, especially African Americans, other people of color, and populations at risk for social and economic inequities nationally and globally.
3. Prepare students with knowledge, values and skills for practice that will further develop the profession and promote just, more humane, and equitable service delivery.
4. Provide a comprehensive curriculum infused with values and ethics of the profession as a guide for social work practice.
5. Provide students with a strong educational foundation that fosters a commitment to continuous personal and professional development, and advanced training, especially for those who aspire to pursue graduate education.

Students wishing to pursue the undergraduate degree offered through the Department must first gain admission to the University, must satisfy all Texas Success Initiative (TSI) responsibility requirements and eradicate identified deficiencies, and must petition the Department for admission upon successful completion (C or better) of nine semester credit hours of specific social work courses (SOCW 145, SOCW 246, and SOCW 340). Each student must be admitted by the Department, as a major, before attempting to meet all of the requirements for the degree. As social work is a profession, all pre-majors and majors must demonstrate professional demeanor and integrity in classroom work and field related activities. Students who engage in nonprofessional behaviors, including plagiarism, cheating, disrespectful communications etc. will be reported to the appropriate judicial offices on campus and may be counseled out of the major.

Interested students are asked to contact the Department Office during their freshman year in order to obtain admissions information and procedures. Students returning to the University following an absence of one long semester or more must gain departmental approval before enrolling in Social Work classes if the earned GPA is lower than 2.0. **No academic credit is given for prior life experiences.**

The overall Social Work major is structured to conform to a "Curriculum Guide" that is available for reference in the Social Work Department. This guide outlines the required sequence of courses that must be completed satisfactorily through the senior year. It also assures the preparedness of students for placement in field education in various community agencies.

**A total of 53 credits is required in Social Work for completion of the B.A. degree, in which grades of “C” or better must be earned. Grades of “C-” are unacceptable in core Social Work courses and in cognate courses taken in psychology and sociology.** A student who has two (2) unsatisfactory grades in a given core Social Work course will not be permitted to re-enroll for a third time, until a formal, written, appeal to the department has been approved. Therefore, this student must meet with their faculty advisor for further academic guidance.

Social Work majors must complete ENG 131 and ENG 132 with a grade of C or better. No more than three grades below a “C” may be earned in all other courses. Where courses are part of a liberal arts content area, students may not earn consecutive grades of C- or below in the represented discipline. A grade below a “D” will not be accepted for credit. Transfer students may substitute FS 102 with any college level course to complete the total credit hours required for graduation by their degree plan.

Courses required during the senior year are organized into two blocks: **Block I (Fall semester only) and Block II (Spring semester only)**. In order to proceed to Block, a minimum GPA of **2.5** must be accrued by the end of the junior year. All core and non-elective courses required through the junior year must be completed satisfactorily in order for students to progress to the senior year Block I and the required associated Block I Field Placement. Block I courses (SOCW 440, SOCW 440L, SOCW 443, SOCW 444, SOCW 444S, and SOCW 450) must be taken concurrently during the first half of the senior year. Students who receive a C- or below in more than one Block I course must petition the Department and receive approval to proceed to Block II. Students who earn a C- or lower in SOCW 440, SOCW 440L, SOCW 444 will not be allowed to proceed to Block II.

Block II courses (SOCW 439, SOCW 441, SOCW 441L, SOCW 446, SOCW 446S, and a SOCW elective, if applicable) must be taken concurrently during the second half of the senior year. An exit examination is required of graduating seniors. Please note: Social work majors who have criminal backgrounds are encouraged to complete a Professional Licensing and Certification Unit Criminal History Evaluation through the Texas State Board of Social Worker Examiners, to evaluate his/her criminal history to determine eligibility for *social work licensure* (see [https://www.dshs.texas.gov/plc\\_cheval.shtm](https://www.dshs.texas.gov/plc_cheval.shtm) for more information). This notification is stated in compliance with the Texas Occupations Code, Chapter 53 (see <http://www.statutes.legis.state.tx.us/Docs/OC/htm/OC.53.htm>), effective September 1, 2017.

**The Social Work major has specific entrance requirements that must be met before acceptance can be granted. In summary, interested students must first gain admission to the University; must meet all TSI responsibilities; must fulfill prerequisites referenced above; and must petition for admission to the Department. All students interested in Social Work are provided with extensive advisement to ensure proper progression toward graduation. For additional information, questions regarding the Social Work major, department location and parking may be directed to (713) 313-7783.**

**LISTING OF FACULTY IN THE DEPARTMENT**

<p><b>Dr. Needha Boutté-Queen,</b>  <b>Professor,</b>  <b>Department Chair</b>          B.A., Texas Southern University          M.A., University of Chicago          Ph.D., University of Houston</p>	<p><b>Ifueko Omorogbe</b>  <b>Director of Field Education</b>          B.A., Social Work, Texas Southern University          M.S.W., Our Lady of the Lake University          M.A., Prairie View A&amp;M University</p>
<p><b>Dr. Nicole Willis, LMSW</b>  <b>Associate Professor</b>          B.A., University of Southern California          M.A. University of Houston          Ph.D. University of Houston</p>	<p><b>Dr. Grace Loudd</b>  <b>Assistant Professor</b>          B.S. Lamar University          MPA Lamar University          M.A. University of New Hampshire          Ph.D. University of Houston</p>
<p><b>Visiting and Adjunct Faculty:</b>          Dr. Gloria Batiste-Roberts          Dr. Alicia LaChapelle-Friday          Captain Phillip J. Lewis, LMSW          Dr. Orlando P. Milton, Jr.          Miss Regina Walker</p>	

\*LMSW for Licensed Master Social Worker

## SOCIAL WORK COURSES

- SOCW 145**                      **Introduction to Social Welfare**                      **(3)**  
Introduction to representative fields, practices, agencies, services, and professional groups engaged in social welfare with particular emphasis on Social Work and required field experience. Three hours of lecture and four hours of laboratory/field experience per week.
- SOCW 246**                      **Social Legislation**                      **(3)**  
Intensive examination and discussion of selected social legislation. Emphasis on the Social Security Act and other Acts closely related to social welfare services and social work. Required field experience. Three hours of lecture and four hours of laboratory/field experience per week. Prerequisite: SOCW 145.
- SOCW 333**                      **Violence and Abuse in Families**                      **(3)**  
Consideration of selected aspects of violence and abuse: patterns (wife, child), types (physical, emotional, sexual), theories of causation, manifestation, and social service programs. Three hours of lecture per week. Prerequisite: Junior standing.
- SOCW 335**                      **Service to Children and Youth in Institutional Settings**                      **(3)**  
Examines selected representative services for children and youth in terms of their programs, method of service delivery, and needs in settings other than the home. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisite: Junior standing.
- SOCW 340**                      **Seminar in Helping**                      **(3)**  
Examination and discussion of motives, value orientations, and approaches used in helping with emphasis on self-awareness, interviewing, observation, data management, and integration as key tools in the helping process. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisite: SOCW 246 or consent of the instructor.
- SOCW 342**                      **Seminar on Aging**                      **(3)**  
Introduction to the aged and aging process. Emphasis on the major concepts related to aging, associated critical issues, and social services. Three hours of lecture per week. Prerequisite: Junior standing.
- SOCW 345**                      **Human Behavior in the Social Environment I (for Health Related Majors ONLY) (3)**  
Emphasis on holistic approach to understanding human behavior across the lifespan for non-social work majors. Three hours of lecture per week.
- SOCW 346**                      **Human Behavior in the Social Environment (for Social Work Majors ONLY) (3)**  
Integrated biological/psychological/sociological approach toward understanding the aspects of behavior. Examines the person-in-environment concept from the systems ecological perspective. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisite: SOCW 145 and SOCW246. Corequisite: Enrollment in SOCW 340 or consent of the instructor.
- SOCW 347**                      **Human Behavior in the Social Environment II**                      **(3)**  
Application of the theoretical framework of systems ecological perspective with emphasis upon families, groups, communities, and organizations. Examines issues of diversity, structure, and outcome of transactions between and within systems. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisites: SOCW 340 and SOCW 346 or consent of the instructor.

- SOCW 348**                      **Social Work Communications**                      **(3)**  
Discussions and introductory practice opportunities for case recordings, interviewing, court reporting, information, referral and other required documentation skills. Prerequisite: Junior standing or consent of instructor.
- SOCW 360**                      **Research Design and Ethics for Generalist Social Work Practice**                      **(3)**  
The purpose of this course is to increase knowledge and skills in research in order to become competent in the major social work roles in research as generalist, evidence-based practitioners: Research consumers, contributing partners, and creators/disseminators of research, Junior standing or consent of instructor.
- SOCW 439**                      **Social Welfare Policy**                      **(3)**  
Exploration and assessment of legislative/policy issues with reference to Social Work. Three hours of lecture per week. Prerequisite: Completion of Block I. Corequisite: Enrollment in Block II.
- SOCW 440**                      **Generalist Practice I**                      **(3)**  
Micro level focuses on the integrated use of a knowledge/value approach for the development of generalist skills in providing intervention strategies of direct services to appropriate client systems. Three hours of lecture per week. Prerequisites: SOCW 340, SOCW 346, and SOCW 347. Corequisite: Enrollment in Block I.
- SOCW 440L**                      **Generalist Practice Laboratory I**                      **(2)**  
Practice laboratory to accompany SOCW 440. Two hours of laboratory/field experience per week. Prerequisite: Senior standing. Corequisite: Enrollment in Block I.
- SOCW 441**                      **Generalist Practice II**                      **(3)**  
Builds upon skills, practice knowledge, and value base of generalist intervention with a primary focus on macro systems (families, groups, communities, and organizations). Three hours of lecture per week. Prerequisite: Completion of Block I. Corequisite: Enrollment in Block II.
- SOCW 441L**                      **Generalist Practice Laboratory II**                      **(2)**  
Practice laboratory to accompany SOCW 441. Two hours of laboratory/field experience per week. Prerequisite: Senior standing. Corequisite: Enrollment in Block II.
- SOCW 442**                      **Seminar on Dying and Death**                      **(3)**  
Examination of values and attitudes related to social services during terminal illness, death, and planning with survivors. Three hours of lecture per week. Prerequisite: Senior standing.
- SOCW 443**                      **Theories in Social Work Practice**                      **(3)**  
Critical analysis and evaluation of major selected social work practice theories. Three hours of lecture per week. Prerequisite: Senior standing. Corequisite: Enrollment in Block I.
- SOCW 444**                      **Field Instruction I**                      **(4)**  
An educationally directed field placement for the development and utilization of professional social work practice skills. Sixteen hours of laboratory/field experience per week. Prerequisite: Senior standing. Corequisites: Enrollment in Block I and SOCW 444S.
- SOCW 444S**                      **Field Instruction Seminar I**                      **(1)**  
Group discussion and integration of field practicum experiences. Accompanies SOCW 444. One hour of lecture per week. Corequisite: Enrollment in Block I.



- SOCW 446**                      **Field Instruction II**    **(4)**  
Continuation of SOCW 444 with evaluation of practicum experience. Sixteen hours of laboratory/field experience per week. Prerequisite: Completion of Block I. Corequisite: Enrollment in Block II.
- SOCW 446S**                      **Field Instruction Seminar II**    **(1)**  
Continuation of SOCW 444S with discussion and integration of field practicum experience. Accompanies SOCW 446. One hour of lecture per week. Corequisite: Enrollment in Block II.
- SOCW 447**                      **Independent Study in Social Welfare**    **(3)**  
Selection of topics by students for study and analysis culminating in a paper suitable for publication. Prerequisite: Senior standing or consent of the instructor.
- SOCW 448**                      **Topical Seminar in Social Welfare**    **(3)**  
Selected topics in social welfare and/or areas/topics normally not covered in published curricula. Three hours of laboratory/field experience or research per week. Prerequisite: Consent of the instructor.
- SOCW 450**                      **Social Work Research and Evaluation**    **(3)**  
Application of empirical measurements to determine the effectiveness of one's own practice and evaluation of practice skills, policy implementation, program service, and self-assessment. Three hours of lecture and two hours of laboratory/field experience per week. Prerequisite: Senior standing. Corequisite: Enrollment in Block I.

**CURRICULUM SUMMARY FOR  
BACHELOR OF ARTS DEGREE IN SOCIAL WORK  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (SOCIAL WORK)	OTHER REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT		
42 credits		53 credits	25 credits
<b>Communication:</b>		SOCW 145 (3)	Statistics (3) (PSY 234, SOC 354, or MATH 231)
ENG 131 (3) **	ENGL 1301	SOCW 246 (3)	FS 102 (1)
ENG 132 (3)	ENGL 1302	SOCW 340 (3)	SOC 158 (3)
<b>Mathematics:</b>		SOCW 346 (3)*****	CS 116 (3)
MATH 132 (3) or MATH 133 (3) ***	MATH 1332 or MATH 1314	SOCW 347 (3)***** SOCW 360 (3)*****	College Level Elective (3)*****
<b>Life and physical sciences:</b>		SOCW 439 (3)	College Level Elective (3)
BIO 143 (3)	BIOL 1308	SOCW 440 (3)	College Level Elective (3)
BIO 135 (3)	BIOL 2401	SOCW 440L (2)	
<b>Language, philosophy, and culture:</b>		SOCW 441 (3)	PSY Elective (3)
ENG 2xx (3) ****		SOCW 441L (2)	SOC Elective (3)
<b>Creative arts:</b>		SOCW 443 (3)	
MUSI 136; MUSI 239; THEA 130; ART 135; or ART 137 (3)	MUSI 1306; HUMA 1315; DRAM 1310; ARTS1301; HUMA2323	SOCW 444 (4)	
<b>American history:</b>		SOCW 444S (1)	
HIST 231 (3)	HIST 1301	SOCW 446 (4)	
HIST 232 (3)	HIST 1302	SOCW 446S (1)	
<b>Government/political science:</b>		SOCW 450 (3)	
POLS 235 (3)	GOVT 2305	SOCW Electives (6)	
POLS 236 (3)	GOVT 2306		
<b>Social and behavioral sciences:</b>			
PSY 131 (3)	PSYC 2301		
<b>Institutional Options:</b>			
SC 135 (3) or SC 136 (3)	SPCH 1321 or SPCH 1315		
Institutional Option (3)			

\*All Social Work majors and intended majors are required to receive advising from a departmental advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) indicates the number of course credits.

\*\*\* Students considering graduate school are strongly encouraged to take College Algebra (MATH 133)

\*\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\*\* SOCW 346 is only offered in the Fall of each academic year and must be completed with a "C" or better before enrollment in SOCW 347 can occur. SOCW 347 and SOCW 360 are only offered in the Spring of each academic year and must be completed with a "C" or better before Senior Block I enrollment can occur.

\*\*\*\*\* Free Electives must be College Level courses. Developmental courses are not allowed for this purpose.

**BACHELOR OF ARTS DEGREE IN SOCIAL WORK - DEGREE PLAN**  
**TOTAL CREDITS = 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	English 131	3	English 132	3
Math 132 or Math 133	3	Approved Creative Arts	3	
Biology 143	3	Biology 135	3	
Speech 135 or Speech 136	3	Sociology 158	3	
Social Work 145 Intro to Social Welfare	3	Computer Science 116	3	
Freshman Seminar 102	1			
	<b>16 Hrs</b>		<b>15 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	Political Science 235	3	Political Science 236	3
History 231	3	History 232	3	
English 2XX (230; 231; 235; 244)	3	Institutional Option	3	
Social Work 246 Social Legislation	3	Psychology 131	3	
Sociology Elective	3	College Level Elective	3	
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	Psychology Elective 2XX or higher	3	Social Work Elective	3
Social Work 340 Seminar in Helping	3	Social Work Elective	3	
Social Work 346 Human Behav Soc Environ I	3	Social Work 360 Research Design and Ethics	3	
College Level Elective	3	Social Work 347 Human Behav Soc Environ II	3	
Statistics (PSY 234; MATH 231 or SOC 354)	3	College Level Elective	3	
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	SOCW 440 Generalist Practice I	3	SOCW 441 Generalist Practice II	3
SOCW 440L Generalist Practice Lab I	2	SOCW 441L Generalist Practice Lab II	2	
SOCW 443 Theories of Social Work Practice	3	SOCW 439 Social Welfare Policy	3	
SOCW 444 Field Instruction I	4	SOCW 446 Field Instruction II	4	
SOCW 444S Field Instruction Seminar I	1	SOCW 446S Field Instruction Seminar II	1	
SOCW 450 Social Work Research and Eval	3			
	<b>16 Hrs</b>		<b>13 Hrs</b>	

## DEPARTMENT OF SOCIOLOGY

The Department of Sociology offers coursework leading to two degrees: the Bachelor of Arts (B.A.) and Master of Arts (M.A.). A minor in Sociology is also offered for students pursuing undergraduate degrees in departments where they are required to declare a minor. Interested students may secure information from the Department of Sociology office located in the Barbara Jordan and Mickey Leland School of Public Affairs building.

Students interested in the Master of Arts Degree in Sociology should refer to the Graduate School Bulletin of Texas Southern University.

The mission of the Department of Sociology at Texas Southern University is to become a nationally recognized leader in the urban sociological training of students who will enter graduate/professional school or career oriented professions. Students are trained with a special emphasis on sociological theory, methodology, and the substantive areas of social inequality and urban sociology. The major in Sociology will, both orally and in written form, demonstrate how this discipline advances scientific knowledge, demonstrate an understanding of sociological theory and methodology, and be able to successfully complete a scientific research project. Within the curriculum, students will be challenged to develop their critical thinking skills, to utilize technology in the acquisition and analysis of data and to participate in service learning activities in the Houston metropolitan community.

Upon completing this program, the Sociology major will be able to demonstrate an understanding of the following:

1. The discipline of Sociology and its role in contributing to our understanding of social reality, such that the student will be able to: (a) describe how Sociology differs from and is similar to other social sciences; (b) describe how Sociology contributes to a liberal arts understanding of social reality; and (c) apply the sociological imagination, sociological principles and concepts to his/her own life.
2. The role of theory in Sociology, such that the student will be able to: (a) define theory and describe its role in building sociological knowledge; (b) compare and contrast basic theoretical orientations; (c) demonstrate how theories reflect the historical context of times and cultures in which they were developed; and (d) describe and apply basic theories and theoretical orientations in at least one area of social reality.
3. The role of evidence and qualitative and quantitative methods in Sociology, such that the student will be able to: (a) identify basic methodological approaches and describe the general role of methods in building sociological knowledge; (b) compare and contrast the basic methodological approaches for gathering data; (c) design a research study and explain why various decisions are made; and (d) critically assess a published research report and explain how the study could have been improved.
4. The technical skills involved in retrieving information and data from the internet and using computers appropriately for data analysis. The Sociology major should also be able to do scientific technical writing that accurately conveys data findings and to demonstrate an understanding and application of principles of ethical practice as a sociologist.
5. In depth knowledge of at least two specialty areas within Sociology, such that the student will be able to: (a) summarize basic questions and issues in the areas; (b) compare and contrast basic theoretical orientations and middle range theories in the areas; (c) demonstrate how Sociology helps the understanding of the area; (d) summarize content research in the area; and (e) develop specific policy implications of research and theories in the areas.

The major in Sociology requires a total of thirty-six (36) semester credit hours in Sociology courses. Only grades of "C" or better are accepted (grades of "C-" are unacceptable). First-time degree seeking students pursuing this degree must declare a minor in a second academic discipline. Once admitted to the University, Sociology majors are assigned a faculty advisor who will advise them of the curriculum courses that are required to receive the B.A. degree in Sociology. The faculty advisor should be consulted in the selection of a required minor for the B.A. in Sociology. The Department of Sociology must have a current address and telephone number of each student pursuing the B.A. degree in Sociology. Students can be assured of the confidentiality of this information.

Students interested in seeking the undergraduate degree (B.A. in Sociology) or the Sociology minor must first gain admission to the University, satisfy admissions testing requirements, satisfy deficiencies assessed at the time of admission through the Office of Student Academic Success Services Center, and petition the Department for admission as test requirements are completed. Students must schedule at least two academic conferences per semester for course approval and status verification for progress toward graduation. In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours satisfactorily completed. An exit examination is required of all Sociology candidates for the B.A. degree in Sociology. Transfer students may substitute FS 102 with any college level course to complete the total credit hours required for graduation by their degree plan.

For the minor in Sociology, twenty-one (21) semester credit hours are required, exclusive of freshman level courses SOC 157 and SOC 158. Students pursuing the minor in Sociology must enroll in the following three-credit courses for a total of 12 credits:

SOC 254, SOC 354, SOC 357, and SOC 359. An additional 9 credits must be approved by a Sociology Faculty advisor or the Department Chairperson. Students seeking the minor in Sociology, while pursuing undergraduate degrees in other departments, must earn grades of “C” or better (grades of “C-“ are unacceptable) in all courses related to the Sociology minor.

Sociology majors and all interested students are encouraged to become members of The Sociology Scholars Association and to participate in the Spring and Fall semester Sociology Lecture Seminars. The Department of Sociology strives to enhance the student’s college experience by providing the opportunity to develop leadership skills, participate in research oriented forums, strengthen interpersonal communication skills, and make contributions to the community by participating in service-oriented projects.

Alpha Kappa Delta (AKD) is an international academic Sociology honor society and an integral component of the Department of Sociology at Texas Southern University. The Honor Society’s focus promotes the scientific study of society through research and service to mankind. The purpose of this honor society is to promote scholarship, both at the graduate and undergraduate levels. Sociology Faculty members are diligent in encouraging all sociology majors to excel in their academic studies. To become a member of AKD, a student must be an officially declared Sociology major or have a serious interest in Sociology within an official program of the University; has to have at least junior standing; have maintained a 3.0 in Sociology courses; has accumulated the equivalent of an overall grade point average of 3.0 on a four point scale and rank in the top 35% of their class in general scholarship; and has completed at least four regular courses in sociology prior to initiation.

In summary, interested students must first gain admission to the University, meet their admissions test responsibility, satisfy any deficiencies assessed at the time of admission, and petition the Department for admission. To ensure proper progression toward graduation students are required to seek advisement from department faculty. An exit examination is also required of graduating majors. For further information regarding the Sociology major or minor requirements contact the Department at (713) 313-7250.

## LISTING OF FACULTY IN THE DEPARTMENT

<p>Cox, Betty B. Associate Professor B.A., M.A., Texas Southern University Ed. D., University of Houston</p>	<p>Mosley, E. Dianne Associate Professor B.A., University of Texas at Austin M.A., Texas Southern University M. S., Our Lady of the Lake University Ph.D., Texas Woman's University</p>
<p>Garcia, Homer D. Professor B.A., University of Texas at Austin M.A., Yale University M. Phil., Yale University Ph.D., Yale University</p>	<p>Slatton, Brittany C. Associate Professor B.A., Northern Illinois University M.A., Virginia State University Ph.D., Texas A &amp; M</p>
<p>Jackson, Kenneth W. Associate Professor B.A., Texas Southern University M.A., Texas Southern University Ph.D., University of Chicago</p>	<p>Swan, Llewellyn Alex Professor B.S., Oakwood College M.A., Atlanta University M.S., Ph.D., University of California at Berkeley</p>
<p>Brailey, Carla D. Assistant Professor B.A., Texas State University M.A., Howard University Ph.D., Howard University</p>	<p>Barnes-Williams, Desiree J. Instructor B.A., Texas Southern University M.A., Texas Southern University</p>

## SOCIOLOGY COURSES

- SOC 141**                    **Texas: A Multicultural Society**                    **(3)**  
Study of selected ethnic groups and their contributions to the development of Texas and the nation. Three hours of lecture per week.
- SOC 157**                    **Introduction to Sociology**                    **(3)**  
Presentation of basic concepts and processes in the sociological analysis of micro and macro socio-cultural systems. Three hours of lecture per week. **Listed as SOCI 1301 in the Texas Common Course Numbering System.**
- SOC 158**                    **Contemporary Social Issues**                    **(3)**  
Selected current social issues discussed from the perspective of contemporary theories of social problems. Three hours of lecture per week. **Listed as SOCI 1306 in the Texas Common Course Numbering System.**
- SOC 211**                    **Social Adjustment to College**                    **(1)**  
Designed to help students develop the practical knowledge, skills, and attitudes essential for a successful and rewarding college experience. One hour of lecture per week.
- SOC 221**                    **Sociology of Human Sexuality**                    **(3)**  
Examination of the physiological, sociological, and psychological variables that influence human sexuality both within and outside the confines of the institution of marriage. Three hours of lecture per week. **Listed as SOCI 2306 in the Texas Common Course Numbering System.**
- SOC 238**                    **Introduction to Anthropology**                    **(3)**  
General introduction to anthropology and related disciplines, including a general introduction to the major topical areas within each of the disciplines related to anthropology. Three hours of lecture per week. **Listed as ANTH 2346 in the Texas Common Course Numbering System.**
- SOC 254**                    **Black Perspectives in Sociology**                    **(3)**  
Presentation of the works and critical analysis of a variety of issues that concern the group life of African Americans. Three hours of lecture per week.
- SOC 257**                    **School Sociology**                    **(3)**  
Critical analysis of the character and nature of education in complex societies: relationship to political, economic, and cultural processes; impact on individual and community behavior and development; the learning process; and the classroom as a social system. Three hours of lecture per week.
- SOC 322**                    **Social Psychology**                    **(3)**  
Basic concepts of social psychology with emphasis on the interrelations among individuals, society, and its sociocultural subsystems. Three hours of lecture per week.
- SOC 331**                    **Sociology of the Family**                    **(3)**  
Presentation of theoretical perspectives that influence family studies and a discussion of the forces external and internal to the family that impact its structure, process, and function. Emphasis placed on Black families and the establishment and development of a family unit. Three hours of lecture per week.
- SOC 335**                    **Ethnic Groups in Society**                    **(3)**  
Presentation and discussion of the nature and character of society and the presence of racial and ethnic groups within the social order. Three hours of lecture per week.

<b>SOC 337</b>	<b>Urban Community Life</b>	<b>(3)</b>
	Designed to take stock of the knowledge accumulated regarding the social and psychological consequences of community life. Examination of the historical background of cities and the three main sociological theories of urbanism with speculations about the urban future. Three hours of lecture per week.	
<b>SOC 344</b>	<b>Social Stratification</b>	<b>(3)</b>
	Examination of the various types of social stratification and their effects on human behavior and life chances. Three hours of lecture per week.	
<b>SOC 351</b>	<b>Criminology</b>	<b>(3)</b>
	Study of the causes of crime; the social, economic, and political context of the development of law; and the development of crime control strategies and penology. Three hours of lecture per week.	
<b>SOC 354</b>	<b>Sociological Statistics</b>	<b>(3)</b>
	Descriptive and simple inductive statistics, selected mathematical topics, and orientation to computer applications in the analysis of sociological data. Three hours of lecture per week. Prerequisites: SOC 157 and SOC 158.	
<b>SOC 357</b>	<b>Sociological Theory</b>	<b>(3)</b>
	Study of selected social theories and their major contributions to the field of Sociology. Three hours of lecture per week.	
<b>SOC 359</b>	<b>Sociological Research</b>	<b>(3)</b>
	Study of quantitative and qualitative research techniques for data collection and analysis. Three hours of lecture per week.	
<b>SOC 435</b>	<b>Juvenile Delinquency and Juvenile Justice</b>	<b>(3)</b>
	Discussion of the major theoretical notions which attempt to explain juvenile delinquency; the development of the juvenile justice system; and various strategies of delinquency, including diversion programs. Three hours of lecture per week.	
<b>SOC 438</b>	<b>Collective Behavior and Social Movements</b>	<b>(3)</b>
	Study of human societies and culture. Emphasis placed on ethnographic anthropological research. Three hours of lecture per week.	
<b>SOC 450</b>	<b>Seminar in Methodology</b>	<b>(3)</b>
	Consideration of the requirements specified by the scientific method and the hazards encountered when this method is not followed. Examination of common purpose of research, alternative research designs, sampling, and several techniques for collecting data. Three hours of lecture per week. Prerequisites: SOC 157, SOC 354, and SOC 359.	
<b>SOC 452</b>	<b>Sociology of Work</b>	<b>(3)</b>
	This course examines the sociological dimensions of work and occupations. Specific topics may include: the organizational context of work, occupational and labor market structures, job satisfaction, industrial relations, technological change, and the effects of gender, age, race/ethnicity on how work and employment are experienced. Three hours of lecture per week.	
<b>SOC 456</b>	<b>Independent Study</b>	<b>(3)</b>
	Independent study in theoretical and applied sociology designed to allow juniors and seniors to work independently on topics of special interest not covered in depth in course offerings. Work may be done in a tutorial relationship with an individual faculty member or in a seminar.	



- SOC 457**                      **Seminar in Sociological Theory**                      **(3)**  
Critical analysis and evaluation of the major theoretical perspectives (structural functionalism; conflict Marxian; and symbolic interactionism, exchange, and ethnomethodology) that dominate the field of sociological explorations. Three hours of lecture per week. Prerequisites: SOC 157 and SOC 357.
- SOC 458**                      **Seminar in Applications of Sociology**                      **(3)**  
Designed for seniors who will demonstrate their knowledge and skills in the discipline of sociology by developing a publishable work applying sociological knowledge and experience systematically to a specific social issue under the supervision of a faculty member. Prerequisites: SOC 157, SOC 354, and SOC 450.
- SOC 460**                      **Women in Society**                      **(3)**  
Examination of changing gender roles and the effects on the social and cultural status of women. Three hours of lecture per week.

**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS DEGREE IN SOCIOLOGY**  
**TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (SOCIAL WORK)	OTHER REQUIREM ENTS	MINOR REQUIREM ENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		36 credits	21 credits	21 credits
<b>Communication:</b>		SOC 157 (3)	Foreign Language (6)	Contact
ENG 131 (3) **	ENGL 130 1	SOC 158 (3)	ECON 231 (3)	department of choice after
ENG 132 (3)	ENGL 130 2	SOC 254 (3)	MATH 135 (3)	being admitted as a sociology major by the
<b>Mathematics:</b>		SOC 221 or 257 (3)	SOC 141 (3)	department
MATH 133 (3)	MATH 1314	SOC 354 (3)	HED 233 (2)	
<b>Life and physical sciences:</b>		SOC 357 (3)	Elective Courses (3)	
BIOL 143 (3)	BIOL 1308	SOC 359 (3)	FS 102 (1)	
GEOL 141 (3) or PHYS 101 (3)	GEOL 1303 or PHYS 1301	SOC 450 (3)		
<b>Language, philosophy, and culture:</b>		SOC 457 (3)		
ENG 2xx (3) ***		SOC 458 (3)		
<b>Creative arts:</b>		300 or 400 Level SOC Elective (3)		
MUSI 136 (3)	MUSI1306	300 or 400 Level SOC Elective (3)		
<b>American history:</b>				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<b>Government/political science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
SOC 238 (3)	ANTH 2346			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
PSY 131 or ENG 244 (3)****	PSYC 2301 or ENGL 2326			

\* Students should be advised by a major advisor prior to registering for any course, particularly any core curriculum course as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* ENG 244 may only be used once in the curriculum.

**CURRICULUM SUMMARY FOR MINOR IN SOCIOLOGY**  
**TOTAL CREDITS REQUIRED: 21**  
**(EXCLUSIVE OF DEPARTMENTAL PREREQUISITIES)**

DEPARTMENT PREREQUISITIES	REQUIRED COURSES	REQUIRED SOCIOLOGY ELECTIVES
6 credits	12 credits	9 credits
SOC 157 (3)**	SOC 254 (3)	200 Level (3)
SOC 158 (3)	SOC 354 (3)	300 or 400 Level (3)
	SOC 357 (3)	300 or 400 Level (3)
	SOC 359 (3)	

\*\* (N) represents the number of course credits

**BACHELOR OF ARTS DEGREE IN SOCIOLOGY- DEGREE PLAN**  
**TOTAL CREDITS = 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	Communication Area: ENG 131 Freshman English I	3	Communication Area: ENG 132 Freshman English II	3
	Math Area: MATH 133 College Algebra	3	Natural Science Area: GEOL 141 or PHYS 101	3
	Natural Science Area: BIOL 143 Survey of Life Science	3	Major requirements: SOC 158 Contemporary Issues in Society	3
	Other requirements: Foreign Language	3	Other requirements: MATH 135 Math for Business and Economic Analysis	3
	Major requirements: SOC 157 Intro to Sociology	3	Other requirements: Foreign Language	3
	FS 102	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	Gov/Political Science Area: POLS 235 American Government	3	Gov/Political Science Area: POLS 236 Texas Government	3
	American History Area: HIST 231 Social and Political History of the US to 1877	3	American History Area: HIST 232 Social and Political History of the US since 1877	3
	Language, Philosophy & Culture: ENG 230 or ENG 231 or ENG 235 or ENG 244	3	Institutional Options Area: SC 135 Bus and Professional Com or SC 136 Public Address	3
	Major requirements: SOC 254 Black Perspectives in Sociology	3	Institutional Option Area: PSY 131 or ENG 244	3
	Other requirements: ECON 231 Principles of Economics I	3	Other Requirements: SOC 141 Texas: A Multicultural State	3
	Other requirements: HED 233 History and Principles of Health	2	Creative Arts: MUSI 136 Music Appreciation	3
		<b>17 Hrs</b>		<b>18 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	Major requirements: SOC 354 Sociological Statistics	3	Major requirements: SOC 359 Sociological Research	3
	Major requirements: SOC 357 Sociological Theory	3	Major requirements: SOC 457 Modern Sociological Theory	3
	Minor Requirements	3	Major requirements: SOC 300 or 400 Level Elective	3
	Minor Requirements	3	Minor Requirements	3
	Social and Behavioral Science Area: SOC 238 Intro to Anthropology	3	Major requirements: SOC 221 Human Sexuality or SOC 257 School Sociology	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Minor Requirements	3	Elective	3
	Minor Requirements	3	Minor Requirements	3
	Minor Requirements	3	Major requirement: Soc 458 Applications in Sociology	3
	Major requirement: SOC 450 Seminar in Methodology	3	Major requirements: SOC 300 or 400 Level Elective	3
		<b>12 Hrs</b>		<b>12 Hrs</b>

## DEPARTMENT OF VISUAL AND PERFORMING ARTS

The Department of Visual and Performing Arts (VPA) brings together two Liberal Arts disciplines devoted to creative endeavors at the University: Visual Arts and Theatre. The highly trained and professionally active Arts faculty offer studio, digital and education certification courses in Art, and technical and performing courses in Theatre. The Department offers two degrees, the **Bachelor of Arts (B.A.) Degree in Art** with concentrations in Art History/Art Education, Design/Printmaking, Drawing/Painting, or Ceramics/Sculpture and the **Bachelor of Arts (B.A.) Degree in Theatre** with concentrations in Performance or Technical. **Minors in both Art and Theatre areas** are offered for students pursuing undergraduate degrees in other departments and colleges. The John T. Biggers Art Center is home to the Visual Art Program. Dr. Biggers (noted muralist, painter and griot) founded the art program in 1948 and along with Professor Carroll Harris Simms (noted Ceramics & Sculpture Artist) built a unique visual arts curriculum. The Ollington Smith Playhouse is home to the Theatre Program. The Theatre Program was founded in 1974 by Professor Ollington Smith (noted Director and Playwright). Smith is credited with the development of a strong touring and performing arts program.

### **The Mission of the Department of Visual and Performing Arts**

*In a focused creative environment with instruction of the highest quality, Visual and Performing Arts students will be trained to become practicing arts professionals and educators. As Visual and Performing Arts students matriculate, creativity and intellectual curiosity will mature. Students develop the skill sets needed to be active local and global citizens in a rapidly changing world.*

Curricular offerings are designed to provide a broad liberal arts education. Students are provided a strong undergraduate education upon which to base the pursuit of career opportunities, and advanced, or graduate study. Faculty members in the Department are committed to providing an educational environment where aspiring visual artists, performing artists, and creative craftsmen develop an understanding and mastery of critical inquiry techniques. All VPA students gain an appreciation of the cultural, historical, and educational values of the arts. The Department of Visual and Performing Arts is an environment where cultural awareness translates to the community and the larger global society.

Requirements for the B.A. in Art, and the B.A. in Theatre, as well as minors in each area offered through this unit, are summarized below with exact course requirements dependent upon the concentration, or minor selected. **All courses designated as either major or minor courses must be completed with grades of “C” or better. Grades of “C-“are unacceptable.** Transfer students may substitute FS 102 with any college level course to complete the total credit hours required for graduation by their degree plan.

In considering requirements for one of the bachelor’s degrees, or one of the minors, students must

- first be admitted by the University;
- satisfy all placement testing requirements;
- eradicate deficiencies assessed through placement test scores;
- petition the Department for admission as placement requirements are completed;
- complete preliminary requirements established by the Department for majors.

Further admission and graduation requirements for the Department are considered below. An exit examination in the content area of study is required of all graduating seniors.

**Individuals interested in seeking certification for teaching in the public or private schools of Texas in academic disciplines offered through the Department should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions.**

**The minor in Art requires 21 semester credit hours** through enrollment in the following: ART 131 (3 credits); ART 133 (3 credits); ART 201 (0 credit); ART 231 (3 credits); one art history class of choice (3 credits); and 9 additional upper-level elective credits in ART. The minimum grade requirement for each course in this minor is referenced above.

**The minor in Visual and Performing Arts requires 21 semester credit hours** through enrollment in the following: ART 131 (3 credits), ART 201 (0 credit), ART 133 (3 credits), and ART 137, 139, 235 or 236 (3 credits) and THC 130 (3), THC 231 (3), THC 337, or 338 (3 credits) and 438 (3 credits). The minimum grade requirement for each of these courses is referenced above

**The minor in Theatre requires 21 semester credit hours** through enrollment in five designated three-credit courses (THC 130, THC 151, THC 231, THC 337 or 338, THC 491 or THC 492) and 6 additional upper-level elective credits in THC. The minimum grade requirement for each of these courses is referenced above.

In petitioning the Department for admission as either a major or minor, students are required to schedule a personal interview

through the Department Office. At the time of interview, students are asked to either present an art portfolio or perform an audition as part of the procedure for admission to the Department. Once admitted, Visual and Performing Arts majors are assigned a faculty advisor for continuous advisement. To ensure proper progression towards graduation VPA majors and minors are required to receive advisement at least once each semester. At the beginning of the senior year, students must meet the approval of a panel of faculty members prior to enrollment in courses related to final projects such as Senior exhibitions, and performances. An exit examination is required of all graduating seniors.

Majors are expected to maintain an overall GPA of 2.50 or better to remain in good standing and to keep the Department Office informed of current local addresses and telephone numbers. All majors should request that the Faculty Chair evaluate their transcripts during the first semester of their senior year to ascertain their graduation status and again just before applying for graduation.

For additional information, students should contact the Department Chair at (713) 313-7677, or the Department Office at (713) 313-7337.

**LISTING OF FACULTY IN THE DEPARTMENT**

<p><b>Brown-Guillory, Elizabeth</b>  <b>Distinguished Professor</b>          B.A., University of Louisiana, Lafayette          M.A., University of Louisiana, Lafayette          Ph.D., Florida State University</p>	<p><b>Meloncon, Thomas</b>  <b>Associate Professor</b>          B.A., Texas Southern University          M.A., Texas Southern University</p>
<p><b>Green, Leamon</b>  <b>Interim Department Chair</b>  <b>Associate Professor</b>          B.F.A., Cleveland Institute of Art          M.F.A., Temple University</p>	<p><b>Robinson, Deon</b>  <b>Visiting Professor</b>          B.S., Fisk University          M.F.A., Academy of Art University</p>
<p><b>Jemison-Pollard, Dianne</b>  <b>Professor</b>          B.A., Fisk University          M.A., University of Wisconsin          M.F.A., Catholic University of America          Ed.D, Texas Southern University</p>	<p><b>Rodriguez-González, Rosarito</b>  <b>Associate Professor</b>          B.F.A., University Puerto Rico          M.F.A. Savannah School of Art and Design</p>
<p><b>Cyrus, Jamal</b>  <b>Visiting Professor</b>          B.F.A., University of Houston          M.F.A., University of Pennsylvania</p>	<p><b>Wardlaw, Alvia J.</b>  <b>Professor</b>          B.A., Wellesley College          M.A., New York University          Ph.D., University of Texas at Austin</p>

## ART COURSES

- ART 130 Introduction to Visual Art (3)**  
A three credit hour lecture course for the non-art major. The course surveys the visual fine arts by identifying the different types, the intended purpose and the artists who create them. Artists, artworks, and artistic styles are studied in an art historical and cultural context. Extra consideration includes artists and artworks on the Texas Southern University campus. Attention is also given to artworks concerning gender, political and cultural themes. Does not satisfy art major requirements. **Listed as Arts 1301 in the Texas Common Course Numbering System.**
- ART 131 Drawing and Composition I (3)**  
Basic principles of drawing and composition incorporating the elements and principles of art to provide opportunities for self-expression through the use of varied drawing media and subject matter. Six hours of laboratory per week. **Listed as ARTS 1316 in the Texas Common Course Numbering System.**
- ART 132 Drawing and Composition II (3)**  
Continuation of ART 131 with emphasis on the human figure. Six hours of laboratory per week. Prerequisite: ART 131. **Listed as ARTS 1317 in the Texas Common Course Numbering System.**
- ART 133 Creative Design I (3)**  
Design fundamentals with emphasis on the nature of materials and color theory. Six hours of laboratory per week. **Listed as ARTS 1311 in the Texas Common Course Numbering System.**
- ART 134 Creative Design II (3)**  
Continuation of ART 133 with emphasis on 3-D applications. Six hours of laboratory per week. **Listed as ARTS 1312 in the Texas Common Course Numbering System.**
- ART 135 Topics in Contemporary Art and Culture (3)**  
Introduction to all visual art with special topics in contemporary art and their relationships to cultural issues. Basic elements of sculpture, painting, architecture, performance art, environmental art, computer art, and ceramics are discussed and examined. Three hours of lecture per week. Required for art majors. **Listed as Arts 1304 in the Texas Common Course Numbering System.**
- ART 137 Introduction to African Art (3)**  
Fundamentals of African art as related to the philosophies which developed the cultures of the Nile River, the Sahara, the Coastal Forest, and the Savannah. Royal court art, functional art, architecture, decorative adornment, and art as a symbol of rites of passage are examined. Three hours of lecture per week.
- ART 139 African-American Art and Culture (3)**  
Analysis of the roots of African-American creativity along with an examination of nineteenth century African-American artists and their relationship to Europe, the Harlem Renaissance, the Sixties, and the emergence of African-American artists in Texas. Three hours of lecture per week.
- ART 201 Art Seminar (0-1)**  
A seminar course for majors and minors to present their work for regular critiques. Enrichment and professional experiences presented are by faculty and visiting artists. Career and graduate school are emphasized for juniors and seniors. Must be repeated for up to 4 semester credits earned by Juniors/Seniors. During freshman and sophomore years of enrollment, counted as 0 credit and pass (p)/fail (f) only. One hour of lecture per week.





- ART 303 Art Studio I (3)**  
Independent studio for junior or senior level majors with a major advisor in a specialized area of research. The area of study will be listed in students' folder as a matter of record. May be repeated up to three enrollments. **Listed as ARTS 2389 in the Texas Common Course Numbering System.**
- ART 321 Life Sketch I (3)**  
Skillful representation of the human figure using the live model to represent various conditions of life. Individualized approaches using varied subject matter, media, and techniques are emphasized. Six hours of laboratory per week. Prerequisite: Junior standing as art major. **Listed as ARTS 2323 in the Texas Common Course Numbering System.**
- ART 322 Life Sketch II (3)**  
Continuation of ART 321 representing the human figure while emphasizing specific types of rendering expressions in various drawing media. An individual and creative approach required. Six hours of laboratory per week. Prerequisite: ART 321. **Listed as ARTS 2324 in the Texas Common Course Numbering System.**
- ART 331 Sculpture I (3)**  
Creative approach to three -dimensional sculpture, nature study, organic form, and structure in clay and varied media. Six hours of laboratory per week. **Listed as ARTS 2326 in the Texas Common Course Numbering System.**
- ART 332 Sculpture II (3)**  
Continuation of ART 331. Six hours of laboratory per week. Prerequisite: ART 331. **Listed as ARTS 2326 in the Texas Common Course Numbering System.**
- ART 333 Digital Painting and Imaging (Digital Art I) (3)**  
Course in digital/electronic illustration that examines the difference between structured drawing and bit-mapped or digital software programs. Image processing, electronic painting, image compositing, and color adjustment studied using contemporary software packages. Six hours of laboratory per week. Prerequisites: ART 233.
- ART 334 Digital Imaging and Sequential Art (Digital Art II) (3)**  
In-depth study of a specific area of interest in computer art as it relates to design, illustration, painting, or art history. Desktop video editing and two-dimensional animation techniques included. Students asked to develop individual projects. Six hours of laboratory per week. Prerequisite: ART 333.
- ART 335 Intermediate Painting I (3)**  
Techniques related to acrylic and oil painting with emphasis on individual expression and experimentation with mixed media. Six hours of laboratory per week. Prerequisites: ART 131, ART 132, ART 231, and ART 232.
- ART 336 Intermediate Painting II (3)**  
Continuation of ART 335. Six hours of laboratory per week. Prerequisite: ART 335.
- ART 337 Printmaking I (3)**  
Methods and materials used in producing black and white multiple edition prints from linoleum blocks, lithographic stones and metal plates. Six hours of laboratory per week. **Listed as Arts 2333 in the Texas Common Course Numbering System.**
- ART 339 Two-Dimensional Art and Artists (3)**  
Current issues and research findings related to the application of studio and certification methods and techniques in watercolor, pastels and colored pencils for studying two-dimensional art and the artists recognized in the field. One hour of lecture and three hours of laboratory per week.

- |                |   |            |
|----------------|---|------------|
| <b>ART 370</b> | <b>Studies in Art I</b><br>General and certification course for the study of simple, inexpensive art techniques that includes the psychology of creativity. Projects include drawing, painting, design, printmaking, and collage techniques. Certification techniques for artists of all ages and challenged youth are investigated. One hour of lecture and three hours of laboratory per week.  | <b>(3)</b> |
| <b>ART 371</b> | <b>Studies in Art II</b><br>General course for advanced art techniques which include the psychology of creativity. Projects include the research of sculptured and craft techniques used by folk artists. One hour of lecture and three hours of laboratory per week.   | <b>(3)</b> |
| <b>ART 400</b> | <b>Exhibition</b><br>Independent study course which requires public exhibition of a body of work that is required of all graduating art majors during their senior year. Students are responsible for the installation of exhibit, programs, invitations, photographic documentation, and a philosophical paper. All graduating seniors must have had a pre-show before enrolling in this course. The EXIT examination will be administered in this course. | <b>(3)</b> |
| <b>ART 402</b> | <b>Independent Study in Art Research</b><br>Independent study in art history and certification, including research and curating an art exhibition. May be repeated up to three enrollments. Prerequisite: Consent of the instructor. <b>Listed as ARTS 2389 in the Texas Common Course Numbering System.</b>  | <b>(3)</b> |
| <b>ART 431</b> | <b>Advanced Drawing I</b><br>Drawing techniques and composition, including interior perspective, foreshortening of live subjects and still life objects. Rendering techniques explored in depth. Three hours of laboratory per week. Prerequisite: ART 131 and 132.   | <b>(3)</b> |
| <b>ART 432</b> | <b>Advanced Drawing II</b><br>Course utilizing African Art as the model for anatomical studies. Three hours of laboratory per week. Prerequisite: ART 431.  | <b>(3)</b> |
| <b>ART 433</b> | <b>Advanced Painting</b><br>Independent study course for students specializing in painting that explores all media related to painting. Prerequisites: ART 335 and ART 336.   | <b>(3)</b> |
| <b>ART 434</b> | <b>Mural Painting</b><br>Independent study course in mural painting techniques. Prerequisites: ART 231 and ART 232. Required course for all art majors.   | <b>(3)</b> |
| <b>ART 436</b> | <b>Three-Dimensional Art and Artists II</b><br>Advance Studio techniques in three-dimensional art with emphasis on the study of noted artists in the field and certifications applications. One hour of lecture and three hours of laboratory per week. Prerequisite: ART 339.  | <b>(3)</b> |

<b>ART 439</b>	<b>Design and Illustration</b> Computer based study of studio production techniques, design elements, media choice, typography, and conceptual imagery. Six hours of laboratory per week. Prerequisites: ART 133, ART 134, ART 233, and ART 333.	<b>(3)</b>
<b>ART 440</b>	<b>Screen Printing / Design</b> Techniques used in screen-printing of numbered edition prints, fabrics, wallpaper, tiles, plastics, and other media with both fine art and industrial applications explored. Six hours of laboratory per week. Prerequisites: ART 133, ART 134, ART 233, Art 333 and Art 439.	<b>(3)</b>
<b>THEATRE COURSES</b>		
<b>THEA 111</b>	<b>Production Practicum</b> Supervised work in an area of technical theatre in support of the theatre season. Students repeat through 4 semesters.	<b>(1)</b>
<b>THEA 130</b>	<b>Introduction to Theatre</b> Overview of the theatre -- its aesthetics, theory, history, and relationships to other elements of society. May be used to satisfy aesthetics requirement for the various undergraduate degrees offered through the University. Three hours of lecture per week. <b>Listed as DRAM 1310 in the Texas Common Course Numbering System.</b>	<b>(3)</b>
<b>THEA 151</b>	<b>Basic Technical Theatre</b> Overview of fundamental principles of scenery construction and rigging, makeup, lighting, and costume. Dismantling and storing of scenery also included. One hour of lecture and four hours of laboratory per week.	<b>(3)</b>
<b>THEA 200</b>	<b>Independent Study: Lower Division</b> Independent study in performance or technical theatre.	<b>(3)</b>
<b>THEA 231</b>	<b>Elements of Acting (Acting I)</b> Movement, voice, and character analysis. Three hours of lecture per week. Prerequisite: THE 130 or consent of the instructor. <b>Listed as DRAM 1351 in the Texas Common Course Numbering System.</b>	<b>(3)</b>
<b>THEA 240</b>	<b>Oral Interpretation</b> Emphasis on understanding literature through the study of meaning, imagery, mood, and theme. Analysis and development of techniques of presentation. Three hours of lecture per week. Prerequisite: Consent of the instructor.	<b>(3)</b>
<b>THEA 251</b>	<b>Scene Design</b> Development of scenic design; principles of perspective and balance; types of scenery; painting and decorating scenery. One hour of lecture and four hours of laboratory per week.	<b>(3)</b>
<b>THEA 331</b>	<b>Intermediate Acting</b> A continuation of self-discovery and script analysis, focused more directly toward developing the skills necessary to create characterization in monologues and scenes from contemporary plays. Prerequisite: THEA 231 Elements of Acting.	<b>(3)</b>
<b>THEA 332</b>	<b>Playwriting</b> Introduction to theory, form, and materials used in the art and craft of playwriting; analysis of plays and assignments in imaginative writing. Three hours of lecture per week. Prerequisite: THC 130 or consent of the instructor.	<b>(3)</b>

<b>THEA 334</b>	<b>Play Directing</b> Study of the principles and techniques of play direction. Students must direct a one-act play. One hour of lecture and four hours of laboratory per week. Prerequisite: THC 231 or consent of the instructor.	<b>(3)</b>
<b>THEA 337</b>	<b>History of Theatre I</b> Development of the theatre from the Greeks to the 17th century. Three hours of lecture per week.	<b>(3)</b>
<b>THEA 338</b>	<b>History of Theatre II</b> English and Continental theatre from the 17th century to the 20th century. Three hours of lecture per week.	<b>(3)</b>
<b>THEA 341</b>	<b>Stage Makeup</b> Theory and practice of the design and application of makeup for stage, television, and film. Two hours of lecture and two hours of laboratory per week.	<b>(3)</b>
<b>THEA 351</b>	<b>Stage Lighting</b> Introduction to the principles and practices of stage lighting design. Prerequisites: THEA 151	<b>(3)</b>
<b>THEA 339</b>	<b>African American Drama</b> Analytical study of selected Black playwrights and their plays from the past to the present. Emphasis on the influences on style, form, and content. Three hours of lecture per week.	<b>(3)</b>
<b>THEA 400</b>	<b>Independent Study: Upper Division</b> Independent study in performance or technical theatre.	<b>(3)</b>
<b>THEA 430</b>	<b>Musical Theatre</b> Introduction to Musical Theatre. Providing instruction in basic techniques of singing, dancing, acting and audition techniques. Prerequisite: Consent of Instructor. Available to music majors.	<b>(3)</b>
<b>THEA 431</b>	<b>Styles of Acting</b> Advanced training in character work, styles of acting, and performance with emphasis on individual acting problems. Three hours of lecture per week. Prerequisite: THC 231 or consent of the instructor.	<b>(3)</b>
<b>THEA 436</b>	<b>History of Costumes</b> An overview of historical periods of dress as they affect play production. Three hours of lecture per week.	<b>(3)</b>
<b>THEA 438</b>	<b>Modern Drama</b> Literature of theatre from late 19 <sup>th</sup> –21 <sup>st</sup> century, changes in style, and modern revolutionary patterns. Three hours of lecture per week.	<b>(3)</b>
<b>THEA 450</b>	<b>Problems in Theatre</b> Problems of current concern in theatre; topics vary according to time and instructor. May be repeated as topics change. Two hours of lecture and two hours of laboratory per week. Prerequisite: Consent of the instructor.	<b>(3)</b>

- THEA 451**                    **Advanced Design and Technology**                    **(3)**  
 Guided projects in student's area of interest including: Scenic Design, Lighting Design, Costume Design, and Technical Theatre. Prerequisites: THEA 251, THEA 351, or consent of the instructor.
- THEA 457**                    **Creative Dramatics for Children**                    **(3)**  
 Techniques employed in selecting, mounting, directing and presenting plays for children. Three hours of lecture per week.
- THEA 458**                    **Children's Theatre**                    **(3)**  
 Students will receive training in working with children as they prepare to mount a theatre production that will be presented at the end of the course. Three hours of lab per week.
- THEA 491**                    **Senior Project for Theatre Minors**                    **(3)**  
 Design and production of one complete project in student's area of expertise. Includes. Six hours of laboratory per week. Open to minors only. Prerequisites: Graduating Senior standing and consent of the instructor.
- THEA 497**                    **Research in Theatre Performance or Technical Theatre**                    **(3)**  
 Open to senior majors only. Prerequisites: Consent of the instructor and the Faculty Chair.
- THEA 498**                    **Theatre Internship**                    **(3)**  
 Students complete internships at local professional theatres. Emphasis is on the development of professional practices and experiences. Open to senior majors only. Prerequisites: THEA 497, consent of the instructor, and the Faculty Chair.
- THEA 499**                    **Senior Project for Theatre Majors**                    **(3)**  
 Senior project must be presented showcasing talent in either performance or technical theatre. Open to Graduating Senior majors only. Prerequisites: THEA 498, consent of the instructor, and consent of the Department Chair. The EXIT examination will be administered in this course.

**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS DEGREE  
IN ART WITHOUT CONCENTRATION  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (ART)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		50 credits	7 credits	21 credits
<b>Communication:</b>		ART 131 (3)	ART 137 (3)	Contact department of choice
ENG 131 (3)**	ENGL 1301	ART 132 (3)		after being admitted as an
ENG 132 (3)	ENGL 1302	ART 133 (3)	<b>Plus one of the following :</b>	Art major and after
<b>Mathematics:</b>		ART 134 (3)	ART 139 (3)	being advised by the
MATH 132; 133; 135; or 136 (3)	MATH 1314; 1324; 1332; or 2312	ART 201 x for tot o taken 8 a al f (2) ^	ART 237 (3)	major advisor.
<b>Life and physical sciences:</b>		ART 231 (3)	ART 339 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	ART 232 (3)	ART 371 (3)	
Science elective (3)***		ART 233 (3)		
<b>Language, philosophy, and culture:</b>		ART 235 (3)	<b>PLUS</b>	
ENG 2xx (3)****		ART 236 (3)	FS 102 (1)	
<b>Creative arts:</b>		ART 321 (3)		
ART 135 (3)	ARTS 1301	ART 322 (3)		
<b>American history:</b>		ART 331 (3)		
HIST 231 (3)	HIST 1301	ART 335 (3)		
HIST 232 (3)	HIST 1302	ART 337 (3)		
<b>Government/political science:</b>		ART 400 (3)		
POLS 235 (3)	GOVT 2305	ART 434 (3)		
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
Social and behavioral science course (3) *****				
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
<b>One additional course from the Math, Science, English, Fine Arts, or Social Science courses listed in the approved core curriculum courses. (3)</b>				

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Life and Physical Science elective includes: CHEM 132, BIOL 135, GEOL 141, PHYS 101, PHYS 237, PHYS 238, PHYS 251

\*\*\*\*ENG 230, ENG 231, ENG 235, or ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\*\*Social and Behavioral Science electives include: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238 (TCCNS: PSYC 2301, SOCI 1301, SOCI 1306, SOCI 2306, and SOCI 2346).

^ In order to earn 2 credits in ART 201, students must enroll in two times for 1 credit. In addition, it should be enrolled in six times for 0 credit and pass/fail grades only. Thus, ART 201 should be taken each semester for 8 semesters.

**BACHELOR OF ARTS DEGREE  
IN ART WITHOUT CONCENTRATION  
DEGREE PLAN  
TOTAL CREDITS = 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131	3	ENG 132	3
	MATH 132 or 133 or 135 or 136	3	ART 135 Topics in Contemporary Art/Culture	3
	CHEM 131 or BIOL 143	3	Life Physical Science option	3
	Social & Behavioral Sciences option	3	SC 135 or SC 136	3
	Art 131 Drawing and Composition I	3	Art 132 Drawing and Composition II	3
	Art 201 Art Seminar	0	Art 201 Art Seminar	0
	FS 102	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235	3	POLS 236	3
	HIST 231	3	HIST 232	3
	ENG 2XX	3	Institutional option	3
	ART 133 Creative Design I	3	ART 134 Creative Design II	3
	ART 231 Elementary Painting I	3	ART 232 Elementary Painting II	3
	ART 201 Art Seminar	0	ART 201 Art Seminar	0
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ART 201 Art Seminar	0	ART 201 Art Seminar	0
	ART 235 Art History I	3	ART 236 Art History II	3
	ART 321 Life Sketch I	3	ART 322 Life Sketch II	3
	ART 331 Sculpture I	3	ART 335 Intermediate Painting I	3
	ART 434 Mural Painting	3	ART 337 Printmaking I	3
	ART 137 Intro to African Art	3	ART 233 Intro to Computer Generated Art	3
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	ART 201 Art Seminar	1	ART 201 Art Seminar	1
	Minor Requirements	3	Minor Requirements	3
	Minor Requirements	3	Minor Requirements	3
	Minor Requirements	3	Minor Requirements	3
	Major – ART 139 or ART 237 or ART 339 or Art 371	3	Minor Requirements	3
			Major ART 400 - Exhibition	3
	<b>13 Hrs</b>		<b>16 Hrs</b>	



**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS DEGREE  
IN ART WITH CONCENTRATION AND WITHOUT MINOR  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (ART)	OTHER REQUIREMENTS	CONCENTRATION REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		50 credits	7 credits	21 credits
<b>Communication:</b>		ART 131 (3)	ART 137 (3)	Select from one of the following sets: <b>ART HISTORY/EDU</b>
ENG 131 (3)**	ENGL 1301	ART 132 (3)		ART 402 (3)
ENG 132 (3)	ENGL 1302	ART 133 (3)	<b>Plus one of the following :</b>	ART 339 (3)
<b>Mathematics:</b>		ART 134 (3)	ART 139 (3)	ART 370 (3)
MATH 132; 133; 135; or 136 (3)	MATH 1314; 1324; 1332; or 2312	ART 201 x for tot o taken 8 a al f (2) ^	ART 237 (3)	ART 436 (3)
<b>Life and physical sciences:</b>		ART 231 (3)	ART 339 (3)	UPPER ELECTIVE (9)
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	ART 232 (3)	ART 371 (3)	<b>DESIGN/PRINTMAKING:</b> ART 303 (3)
Science elective (3)***		ART 233 (3)		ART 336 (3)
<b>Language, philosophy, and culture:</b>		ART 235 (3)	<b>PLUS</b>	ART 431 (3)
ENG 2xx (3)****		ART 236 (3)	FS 102 (1)	ART 432 (3)
<b>Creative arts:</b>		ART 321 (3)		ART 433 (3)
ART 135 (3)	ARTS 1301	ART 322 (3)		UPPER ELECTIVE (6)
<b>American history:</b>		ART 331 (3)		<b>DRAWING/ PAINTING:</b> ART 303 (3)
HIST 231 (3)	HIST 1301	ART 335 (3)		ART 336 (3)
HIST 232 (3)	HIST 1302	ART 337 (3)		ART 431 (3)
<b>Government/political science:</b>		ART 400 (3)		ART 432 (3)
POLS 235 (3)	GOVT 2305	ART 434 (3)		ART 433 (3)
POLS 236 (3)	GOVT 2306			UPPER ELECTIVE (6)
<b>Social and behavioral sciences:</b>				<b>CERAMICS/ SCULPTURE:</b> ART 237 (3)
Social and behavioral science course (3) *****				ART 238 (3)
<b>Institutional Options:</b>				ART 303 (3)
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			ART 332 (3)
<b>One additional course from the Math, Science, English, Fine Arts, or Social Science courses listed in the approved core curriculum courses. (3)</b>				ART 433 (3)
				UPPER ELECTIVE (6)

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Life and Physical Science elective includes: CHEM 132, BIOL 135, GEOL 141, PHYS 101, PHYS 237, PHYS 238, PHYS 251

\*\*\*\*ENG 230, ENG 231, ENG 235, or ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\*\*Social and Behavioral Science electives include: PSY 131, SOC 157, SOC 158, SOC 221, SOC 238 (TCCNS: PSYC 2301, SOCI 1301, SOCI 1306, SOCI 2306, and SOCI 2346).

^ In order to earn 2 credits in ART 201, students must enroll in two times for 1 credit. In addition, it should be enrolled in six times for 0 credit and pass/fail grades only. Thus, ART 201 should be taken each semester for 8 semesters.

**BACHELOR OF ARTS DEGREE  
IN ART WITH CONCENTRATION AND WITHOUT MINOR  
DEGREE PLAN  
TOTAL CREDITS = 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131	3	ENG 132	3
	MATH 132 or MATH 133 or MATH 135 or MATH 136	3	ART 135 Topics in Contemporary Art/Culture	3
	CHEM 131 or BIOL 143	3	Life and Physical Science option	3
	ART 201 Art Seminar	0	ART 201 Art Seminar	0
	Social & Behavioral Sciences Area	3	SC 135 or SC 136	3
	ART 131 Drawing and Composition I	3	ART 132 Drawing and Composition II	3
	FS 102	1		
	<b>16 Hrs</b>		<b>15 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235	3	POLS 236	3
	HIST 231	3	HIST 232	3
	ENG 2XX	3	Institutional Option	3
	ART 133 Creative Design I	3	ART 134 Creative Design II	3
	ART 231 Elementary Painting I	3	ART 232 Elementary Painting II	3
	ART 201 Art Seminar	0	ART 201 Art Seminar	0
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ART 201 Art Seminar	0	ART 201 Art Seminar	0
	ART 235 Art History I	3	ART 236 Art History II	3
	ART 321 Life Sketch I	3	ART 322 Life Sketch II	3
	ART 331 Sculpture I	3	ART 335 Intermediate Painting I	3
	ART 434 Mural Painting	3	ART 337 Printmaking I	3
	ART 137 Intro to African Art	3	ART 233 Intro to Computer Generated Art	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Major – ART 139 or ART 237 or ART 371 or ART 339	3	ART 201 Art Seminar	1
	ART 201 Art Seminar	1	Concentration Requirement	3
	Concentration Requirement	3	Concentration Requirement	3
	Concentration Requirement	3	Concentration Requirement	3
	Concentration Requirement	3	Concentration Requirement	3
			Major Art 400 - Exhibition	3
		<b>13 Hrs</b>		<b>16 Hrs</b>

**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS DEGREE  
IN ART TEACHER CERTIFICATION CONCENTRATION  
TOTAL CREDITS REQUIRED: 123**

CORE CURRICULUM (STANDARD)*		MAJOR (ART)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		50 credits	1 credits	30 credits
<b>Communication:</b>		ART 131 (3)	FS 102 (1)	<b>Enroll in the College of</b>
ENG 131 (3)**	ENGL 1301	ART 132 (3)		<b>Education Certification</b>
ENG 132 (3)	ENGL 1302	ART 133 (3)		<b>program &amp; art studies</b>
<b>Mathematics:</b>		ART 134 (3)		<b>courses</b>
MATH 132; 133; 135; or 136 (3)	MATH 1314; 1324; 1332; or 2312	ART 201 taken 8 x for a total of (2) ^		<b>Certification:</b>
<b>Life and physical sciences:</b>		ART 231 (3)		EDCI 310 (3)
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	ART 232 (3)		EDCI 328 (3)
Science elective (3)***		ART 233 (3)		EDCI 339 (3)
<b>Language, philosophy, and culture:</b>		ART 235 (3)		EDCI 350 (3)
ENG 2xx (3)****		ART 236 (3)		RDG 401 (3)
<b>Creative arts:</b>		ART 321 (3)		EDCI 468 (6)
ART 135 (3)	ARTS 1301	ART 322 (3)		
<b>American history:</b>		ART 331 (3)		<b>ART Studies/Certification</b>
HIST 231 (3)	HIST 1301	ART 335 (3)		ART 137 (3)
HIST 232 (3)	HIST 1302	ART 337 (3)		ART 339 (3)
<b>Government/political science:</b>		ART 400 (3)		ART 370 (3)
POLS 235 (3)	GOVT 2305	ART 434 (3)		
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
PSY 131 (3)	PSYC 2301			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
EDCI 210 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* Life and Physical Science elective includes: CHEM 132, BIOL 135, GEOL 141, PHYS 101, PHYS 237, PHYS 238, PHYS 251

\*\*\*\*ENG 230, ENG 231, ENG 235, or ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

^ In order to earn 4 credits in ART 201, students must enroll in four times for 1 credit. In addition, it should be enrolled in four times for 0 credit and pass/fail grades only. Thus, ART 201 should be taken each semester for 8 semesters.

^^30 hours are required for professional certification in all level art education. Students must earn grades of "c" or higher in all courses, including the Core Curriculum.

^^^ Degree plan consists of 120 hours and 3 additional credit hours for completion of certification requirements

**BACHELOR OF ARTS DEGREE  
IN ART WITH TEACHER CERTIFICATION CONCENTRATION  
DEGREE PLAN  
TOTAL CREDITS - 123**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131	3	ENG 132	3
	MATH 133, 134, 135	3	ART 135	3
	CHEM 131 or BIOL 143	3	Life and Physical Science Option	3
	PSY 131	3	SC 135 or SC 136	3
	ART 131 Drawing and Composition I	3	ART 132 Drawing and Composition II	3
	ART 201 Art Seminar	0	ART 201 Art Seminar	0
	FS 102	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235	3	POLS 236	3
	HIST 231	3	HIST 232	3
	ENG 2XX	3	EDCI 210	3
	ART 133 Creative Design I	3	ART 134 Creative Design II	3
	ART 201 Art Seminar	0	Art 201 Art Seminar	0
	ART 231 Elementary Painting I	3	ART 232 Elementary Painting II	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ART 201 Art Seminar	0	ART 201 Art Seminar	0
	ART 235 Art History I	3	ART 236 Art History II	3
	ART 321 Life Sketch I	3	ART 335 Intermediate Painting I	3
	ART 331 Sculpture I	3	ART 337 Printmaking I	3
	ART 434 Mural Painting	3	ART 322 Life Sketch II	3
	ART 339 2D Art and Artists	3	ART 233 Intro to Computer Generated Art	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	ART 201 Art Seminar	1	ART 201 Art Seminar	1
	EDCI 310 Principle. and Found.of Education	3	EDCI 328 Psy of Learning, Growth and Development.	3
	EDCI 339 Classroom Management	3	EDCI 350 Designing & Implementing Inst	3
	ART 370 Studies in Art I	3	RDG 401 Read for Diverse Populations	3
	ART 137 Intro to African Art	3	ART 400 - Exhibition	3
		<b>13 Hrs</b>		<b>13 Hrs</b>
			<b>NINTH SEMESTER</b>	
		EDCI 468 Directed Student Teaching	6	

**CURRICULUM SUMMARY FOR MINOR IN ART**  
**TOTAL CREDITS REQUIRED: 21**

REQUIRED COURSES	UPPER LEVEL ELECTIVES
13 credits	9 credits
Art 131 Drawing (3)	Art 339 Two Dimensional Art & Artists
Art 133 Design (3)	Art 370 Studies in Art
Art 201 Seminar (0)	Art 371 Studies in Art II
Art History Choice (3) 135, 137, 139, 235, 236	Art 331 Sculpture
ART 231 Elementary Painting I (3)	Art 337 Printmaking
	Art 402 Independent Study in Art Research
	Art 436 Three Dimensional Art & Artists
	Art 339 Two Dimensional Art & Artists

**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS DEGREE  
IN THEATRE WITH PERFORMANCE CONCENTRATION  
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*		MAJOR (THEAT ER)	OTHER REQUIREMENTS	PERFORMANCE CONCENTRATION REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		48 credits	7 credits	24 credits
<b>Communication:</b>		THEA 111 (1) X 3	Foreign Language (6)	SC 136 (3)
ENG 131 (3)**	ENGL 1301	THEA 130 (3)		
ENG 132 (3)	ENGL 1302	THEA 151 (3)	FS 102 (1)	THEA 331 (3)
<b>Mathematics:</b>		THEA 231 (3)		THEA 431 (3)
MATH 132 (3) or MATH 133 (3)***	MATH 1332 or MATH 1314	THEA 240 (3)		PE 108 (1)
<b>Life and physical sciences:</b>		THEA 251 (3)		MUSI 173 (1)
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	THEA 332 (3)		MUSI 174 (1)
CHEM 132 (3) or BIOL 135 (3) or PHYS 237 (3)	CHEM 1312 or BIOL 2301 or PHYS 1301	THEA 334 (3)		APPROVED ELECTIVES (12)*****
<b>Language, philosophy, and culture:</b>		THEA 337 (3)		
ENG 2xx (3)****		THEA 338 (3)		
<b>Creative arts:</b>		THEA 339 (3)		
MUSI 136 (3) or MUSI 239 (3) or ART 135 (3) or ART 137 (3)	MUSI 1306 HUMA 1315 ART 1301 HUMA 2323	THEA 341 (3)		
<b>American history:</b>		THEA 351 (3)		
HIST 231 (3)	HIST 1301	THEA 438 (3)		
HIST 232 (3)	HIST 1302	THEA 498 (3)		
<b>Government/political science:</b>		THEA 499 (3)		
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
PSY 131 (3) or SOC 157 (3)	PSYC 2301 or SOCI 1301			
<b>Institutional Options:</b>				
SC 135 (3)	SPCH 1321			
CS 116 (3)*****	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\*Students considering graduate school are strongly encouraged to take College Algebra (MATH 133)

\*\*\*\*ENG 230, ENG 231, ENG 235, ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\*\*Or one course from Math, Science, English, Fine Arts, or Social Science courses from the approved Core Curriculum courses.

\*\*\*\*\*Approved electives for Performance Concentration include: THEA 430, 436, 450, 451, 457, and 458.

**BACHELOR OF ARTS DEGREE  
IN THEATRE WITH PERFORMANCE CONCENTRATION  
- DEGREE PLAN  
TOTAL CREDITS - 121**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English	3	ENG 132 Freshman English II	3
	MATH 132 or 133	3	THEA 130 Introduction to Theatre	3
	BIOL 143 or CHEM 131	3	BIO 135 or CHEM 132 or PHYS 237	3
	SC 135 Business and Professional Communication	3	PSY 131 or SOC 157	3
	THEA 151 Basic Technical Theatre	3	MUSI 136, MUSI 239, ART 135 or ART 137	3
	FS 102	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235	3	POLS 236	3
	HIST 231	3	HIST 232	3
	ENG 2xx***	3	CS 116 or any other Institutional option	3
	SC 136 Public Address	3	THEA 251 Scene Design	3
	THEA 231 Elements of Acting	3	THEA 240 Oral Interpretation	3
			THEA 111 Production Practicum	1
		<b>15 Hrs</b>		<b>16 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	THEA 332 Playwriting	3	THEA 331 Intermediate Acting	3
	THEA 337 History of Theatre I	3	THEA 338 History of Theatre II	3
	Approved elective*	3	Approved elective*	3
	MUSI 173 Voice I	1	MUSI 174 Voice II	1
	Foreign Language	3	Foreign Language	3
	THEA 111 Production Practicum	1	THEA 111 Production Practicum	1
	PE 108	1		
	<b>15 Hrs</b>		<b>14 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Approved Elective*	3	THEA 334 Play Directing	3
	THEA 339 African American Theatre	3	Approved Elective*	3
	THEA 351 Stage Lighting	3	THEA 431 Styles of Acting	3
	THEA 341 Stage Makeup	3	THEA 438 Modern Drama	3
	THEA 498 Internship	3	THEA 499 Senior Project	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

\*Approved electives for Performance Concentration include: THEA 430, 436, 450, 451, 457, and 458.

**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS DEGREE  
IN THEATRE WITH TEACHER CERTIFICATION  
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*		MAJOR (THEAT ER)	OTHER REQUIREMENTS	PERFORMANCE CONCENTRATION REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		48 credits	7 credits	24 credits
<b>Communication:</b>		THEA 111 (1) X 3	Foreign Language (6)	EDCI 310 (3)
ENG 131 (3)**	ENGL 1301	THEA 130 (3)	FS 102 (1)	EDCI 339 (3)
ENG 132 (3)	ENGL 1302	THEA 151 (3)		EDCI 328 (3)
<b>Mathematics:</b>		THEA 231 (3)		EDCI 350 (3)
MATH 132 (3) or MATH 133 (3)***	MATH 1332 or MATH 1314	THEA 240 (3)		EDCI 458 (3)
<b>Life and physical sciences:</b>		THEA 251 (3)		EDCI 468 (6)
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	THEA 332 (3)		
CHEM 132 (3) or BIOL 135 (3) or PHYS 237 (3)	CHEM 1312 or BIOL 2301 or PHYS 1301	THEA 334 (3)		APPROVED ELECTIVE (3)*****
<b>Language, philosophy, and culture:</b>		THEA 337 (3)		
ENG 2xx (3)****		THEA 338 (3)		
<b>Creative arts:</b>		THEA 339 (3)		
MUSI 136 (3) or MUSI 239 (3) or ART 135 (3) or ART 137 (3)	MUSI 1306 HUMA 1315 ART 1301 HUMA 2323	THEA 341 (3)		
<b>American history:</b>		THEA 351 (3)		
HIST 231 (3)	HIST 1301	THEA 438 (3)		
HIST 232 (3)	HIST 1302	THEA 498 (3)		
<b>Government/political science:</b>		THEA 499 (3)		
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
PSY 131 (3)	PSYC 2301			
<b>Institutional Options:</b>				
SC 135 (3) or SC 136 (3)	SPCH 1321 or SPCH 1315			
EDCI 201 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\*Students considering graduate school are strongly encouraged to take College Algebra (MATH 133)

\*\*\*\*ENG 230, ENG 231, ENG 235 (TCCNS: ENGL 2332, ENGL 2333, ENGL 2326)

\*\*\*\*\* Approved electives for Teacher Certification Concentration include: THEA 430, 457, and 458.



**BACHELOR OF ARTS DEGREE  
IN THEATRE WITH TEACHER CERTIFICATION  
- DEGREE PLAN  
TOTAL CREDITS - 121**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English	3	ENG 132 Freshman English II	3
	MATH 132 or 133	3	THEA 130 Introduction to Theatre	3
	BIOL 143 or CHEM 131	3	BIO 135 or CHEM 132 or PHYS 237	3
	SC 135 or SC 136	3	PSY 131	3
	THEA 151 Basic Technical Theatre	3	MUSI 136 or MUSI 239 or ART 135 or ART 137	3
	FS 102	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235	3	POLS 236	3
	HIST 231	3	HIST 232	3
	ENG 23X	3	EDCI 210	3
	THEA 231 Elements of Acting	3	Foreign Language	3
	Foreign Language	3	THEA 240 Oral Interpretation	3
			THEA 111 Production Practicum	1
		<b>15 Hrs</b>		<b>16 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	THEA 332 Playwriting	3	THEA 251 Scene Design	3
	THEA 337 History of Theatre I	3	THEA 338 History of Theatre II	3
	EDCI 310 Field Based I	3	EDCI 328 Field Based II	3
	EDCI 339 Classroom Management	3	EDCI 350 Design and Implementation	3
	THEA 341 Stage Makeup	3	THEA 438 Modern Drama	3
	THEA 111 Production Practicum	1	THEA 111 Production Practicum	1
		<b>16 Hrs</b>		<b>16 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EDCI 458 Seminar in Teaching	3	EDCI 468 Directed Student Teaching	6
	THEA 339 African American Theatre	3	Approved Elective*	3
	THEA 351 Stage Lighting	3	THEA 499 Senior Project	3
	THEA 334 Play Directing	3		
	THEA 498 Internship	3		
		<b>15 Hrs</b>		<b>12 Hrs</b>

\* Approved electives for Teacher Certification Concentration include: THEA 430, 457, and 458.

**CURRICULUM SUMMARY FOR THE BACHELOR OF ARTS DEGREE  
IN THEATRE WITH TECHNICAL CONCENTRATION  
- DEGREE PLAN  
TOTAL CREDITS - 121**

CORE CURRICULUM (STANDARD)*		MAJOR (THEAT ER)	OTHER REQUIREMENTS	THEATER CONCENTRATION REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		48 credits	7 credits	24 credits
<b>Communication:</b>		THEA 111 (1) X 3	Foreign Language (6)	AR T 131 (3)
ENG 131 (3)**	ENGL 1301	THEA 130 (3)	FS 102 (1)	AR T 231 (3)
ENG 132 (3)	ENGL 1302	THEA 151 (3)		THEA 436 (3)
<b>Mathematics:</b>		THEA 231 (3)		THEA 451 (3)
MATH 132 (3) or MATH 133 (3)***	MATH 1332 or MATH 1314	THEA 240 (3)		APPROVED ELECTIVES (12)*****
<b>Life and physical sciences:</b>		THEA 251 (3)		
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	THEA 332 (3)		
CHEM 132 (3) or BIOL 135 (3) or PHYS 237 (3)	CHEM 1312 or BIOL 2301 or PHYS 1301	THEA 334 (3)		
<b>Language, philosophy, and culture:</b>		THEA 337 (3)		
ENG 2xx (3)****		THEA 338 (3)		
<b>Creative arts:</b>		THEA 339 (3)		
MUSI 136 (3) or MUSI 239 (3) or ART 135 (3) or ART 137 (3)	MUSI 1306 HUMA 1315 ART 1301 HUMA 2323	THEA 341 (3)		
<b>American history:</b>		THEA 351 (3)		
HIST 231 (3)	HIST 1301	THEA 438 (3)		
HIST 232 (3)	HIST 1302	THEA 498 (3)		
<b>Government/political science:</b>		THEA 499 (3)		
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
PSY 131 (3) or SOC 157 (3)	PSYC 2301 or SOCI 1301			
<b>Institutional Options:</b>				
SC 135 (3) or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)*****	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\*Students considering graduate school are strongly encouraged to take College Algebra (MATH 133)

\*\*\*\*ENG 230, ENG 231, ENG 235, ENG 244 (TCCNS: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\*\*Or one additional course from Math, Science, English, Fine Arts, or Social Science courses listed above.

\*\*\*\*\*Approved electives for Technical Theatre Concentration include: THEA 331, 430, 431, 450, 457, and 458.

**BACHELOR OF ARTS DEGREE  
IN THEATRE WITH TECHNICAL CONCENTRATION  
- DEGREE PLAN  
TOTAL CREDITS - 121**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English	3	ENG 132 Freshman English II	3
	MATH 132 or 133	3	THEA 130 Introduction to Theatre	3
	BIOL 143 or CHEM 131	3	BIO 135 or CHEM 132 or PHYS 237	3
	SC 135 or SC 136	3	PSY 131 or SOC 157	3
	THEA 151 Basic Technical Theatre	3	MUSI 136 or MUSI 239 or ART 135 or ART 137	3
	FS 102	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	POLS 235	3	POLS 236	3
	HIST 231	3	HIST 232	3
	ENG 2xx***	3	CS 116 or any other institutional option	3
	ART 131 Drawing and Composition I	3	THEA 251 Scene Design	3
	THEA 231 Elements of Acting	3	THEA 240 Oral Interpretation	3
			THEA 111 Production Practicum	1
		<b>15 Hrs</b>		<b>16 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	THEA 332 Playwriting	3	Approved elective****	3
	THEA 337 History of Theatre I	3	THEA 338 History of Theatre II	3
	Approved elective****	3	Foreign Language	3
	ART 231 Elementary Painting	3	THEA 351 Stage Lighting	3
	Foreign Language	3	THEA 111 Production Practicum	1
	THEA 111 Production Practicum	1		
		<b>16 Hrs</b>		<b>13 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Approved Elective****	3	THEA 334 Play Directing	3
	THEA 339 African American Theatre	3	Approved Elective****	3
	THEA 436 History of Costumes	3	THEA 451 Advanced Design and Technology	3
	THEA 341 Stage Makeup	3	THEA 438 Modern Drama	3
	THEA 498 Internship	3	THEA 499 Senior Project	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

\*Student considering graduate school are strongly encouraged to enroll in College Algebra.

\*\*ENG 230, ENG 231, ENG 235, OR ENG 244

\*\*\*Social and Behavior Science courses include: PSY 131, SOC 157, SOC 158, SOC 221 and SOC 238

\*\*\*\*Approved electives for Technical Theatre Concentration include: THEA 331, 430, 431, 450, 457, and 458

**CURRICULUM SUMMARY FOR MINOR IN THEATRE  
TOTAL CREDITS REQUIRED: 21**

REQUIRED COURSES
<b>15 credits</b>
THEA 130 (3) Introduction to THEATRE
THEA 151 (3) Basic Technical THEATRE
THEA 231 (3) Elements of Acting
THEA 337 OR 338 (3) History of THEATRE I or II
THEA 491 (3) Senior Project for THEATRE Minors
Approved Elective (3) ***
Approved Elective (3)***

\*\*\*Approved Electives include: THEA 331, 332, 334, 337 or 338, 339, 341, 351, 430, 431, 436, 438, 450, 451, 457, 458.

**CURRICULUM SUMMARY FOR MINOR IN VISUAL AND PERFORMING ART  
TOTAL CREDITS REQUIRED: 21**

REQUIRED COURSES	UPPER LEVEL ELECTIVES
<b>13 credits</b>	<b>9 credits</b>
Art 131 Drawing (3)	THEA 130 (3)
Art 133 Design (3)	THEA 231 (3)
Art 201 Seminar (0)	THEA 337 or THEA 338 (3)
Art History Choice (3) 135, 137, 139, 235, 236	THEA 438 (3)



## BARBARA JORDAN – MICKEY LELAND SCHOOL OF PUBLIC AFFAIRS

## BARBARA JORDAN – MICKEY LELAND SCHOOL OF PUBLIC AFFAIRS

An extensive set of curricular offerings is provided through the Barbara Jordan – Mickey Leland School of Public Affairs (BJML) that includes undergraduate courses in Administration of Justice (AJ), Political Science (POLS), Public Affairs (PA), and Emergency Management and Homeland Security (EMHS). From these offerings, students can earn up to four undergraduate degrees: Bachelor of Science (B.S.) in Administration of Justice, Bachelor of Arts (B.A.) in Political Science, Bachelor of Science (B.S.) in Public Affairs, and Bachelor of Science (B.S.) in Emergency Management and Homeland Security.

At the graduate level, degrees are offered as follows: Master of Science (M.S.) in Administration of Justice, Executive Master of Science (E.M.S.) in Administration of Justice, Doctor of Philosophy (Ph.D.) in Administration of Justice, Master of Public Administration (M.P.A.), Executive Master of Public Administration (E.M.P.A.), Master of Urban Planning and Environmental Policy (M.U.P.), and Doctor of Philosophy (Ph.D.) in Urban Planning and Environmental Policy.

**In addition to course and degree offerings, students with majors in other departments may declare minors in the undergraduate disciplines offered through this School: Administration of Justice, Political Science, Public Affairs, Pre-Law Studies, Emergency Management and Homeland Security, Forensic Science, Military Science, Air Force Leadership, and Naval Science.** Faculty and staff are housed on the fourth floor of the Barbara Jordan – Mickey Leland School of Public Affairs Building.

The Barbara Jordan – Mickey Leland School of Public Affairs occupies a 4-story facility with “smart” classrooms and the latest in multimedia technology. This first-class facility houses a state-of-the-art Survey Research Laboratory, a Forensic Laboratory, a Government Decision-making Laboratory (used for legislative and judicial simulations), a cutting-edge Geographic Information System (GIS) Laboratory that provides 3D modeling resources, and a Site Design Laboratory. The facility also houses the Barbara Jordan Institute, a public policy institute dedicated to finding policy solutions to the many challenges facing urban communities at the local, regional, national and global level, and to advancing civic engagement.

**Referral should be made to the Graduate School Bulletin of Texas Southern University for detailed information on the School’s graduate degree programs.** A summary of the degrees and programs, by name, appears in the chart below:

Programs	Degrees
<b>Administration of Justice</b>	Bachelor of Science in Administration of Justice Master of Science in Administration of Justice Executive Master of Science in Administration of Justice Doctor of Philosophy in Administration of Justice
<b>Political Science</b>	Bachelor of Arts in Political Science Bachelor of Science in Public Affairs Bachelor of Science in Emergency Management and Homeland Security Master of Public Administration Executive Master of Public Administration
<b>Urban Planning and Environmental Policy</b>	Master of Urban Planning and Environmental Policy Doctor of Philosophy in Urban Planning and Environmental Policy

The School is administratively organized with a Dean who is assisted by an Associate Dean for Academic Affairs and support staff. Administrative offices are located on the fourth floor of the Barbara Jordan – Mickey Leland School of Public Affairs Building.



## **MISSION STATEMENT**

The mission of the Barbara Jordan – Mickey Leland School of Public Affairs is to serve as an urban-focused community of learning dedicated to educating professionals who will plan and administer environmentally healthy and sustainable communities at the local, state, national, and international levels of society.

Students in the Barbara Jordan – Mickey Leland School of Public Affairs who successfully complete their degree programs become well versed in the theories, concepts, and practical procedures of the challenging world of public policy making and administration of justice. Their majors help prepare them for effective participation in government, non-governmental organizations, and private sector careers. An excellent background is also provided for students interested in pursuing careers in the legal profession as well as in a wide variety of graduate and professional school programs.

## **GENERAL SCHOOL POLICIES**

Students wishing to pursue one of the three undergraduate degrees offered through the School must first gain admission to the University, must satisfy all university application requirements, and must petition the School for admission. In petitioning, students must have an earned overall GPA of 2.00 or better and have completed the following four courses with grades of “C” or better (grades of “C-” are unacceptable): POLS 235 (American Government), POLS 236 (Texas Government), ENG 131 (Freshman English I), and ENG 132 (Freshman English II).

Once admitted to the School, students are each assigned an official advisor who must approve all class schedules. Students must keep the School Office informed of current addresses and telephone numbers up to graduation. Students must also retain a minimum overall GPA of 2.00 and fulfill all prerequisites for required courses prior to scheduling them to remain in good standing in the School. Students failing to meet prerequisites for courses will be withdrawn, administratively, from them. Students are also cautioned that transfer credits will be accepted for required courses only if grades of “C” or better have been earned (grades of “C-” are unacceptable).

## **GOOD ACADEMIC STANDING**

Good academic standing constitutes maintaining a minimum cumulative GPA set by the University as referenced under the academic regulations described in chapter two of this document.

## **ADVISING**

All students are assigned an academic advisor who will assist them with academic planning and learning about career options that relate to their programs. During each registration period, students and their advisors select courses consistent with the overall degree objectives. With their advisors, students learn to explore academic interests, to recognize academic strengths, and to identify resources to address weaknesses.

## **STUDENT SUPPORT SERVICES**

The Office of Student Support Services is available to all students to help with questions about admissions, academic majors and minors, course requirements, career and degree plans, and other student related matters. It is to assist students with identifying faculty advisors and mentors. This office also refers students to other campus offices for assistance in academic, personal, and career counseling initiatives; academic skill development and financial aid.

## **STUDENT ORGANIZATIONS**

Student organizations are an integral part of student life at Texas Southern University. Five program-related student organizations operate in the Barbara Jordan – Mickey Leland School of Public Affairs at the undergraduate level. Three are open to all students in the School. They are the Administration of Justice Club, the Political Science Club, and the Public Affairs Club. The other two

are national honor societies: Alpha Phi Sigma, the Criminal Justice Honor Society, and Pi Sigma Alpha, the National Political Science Honor Society.

## ACCREDITATION

All programs in the Barbara Jordan – Mickey Leland School of Public Affairs are accredited by Commission on College of the Southern Association of Colleges and Schools.

## RIGHT TO MODIFY

The University reserves the right to change, without prior notice, any policy or procedure, tuition or fee, curricular requirements, or any other information found in this bulletin. The information contained in this bulletin is considered to be descriptive in nature and not contractual. It is recommended that students, faculty, and staff refer to the most current academic policies and procedures.

## DESCRIPTION OF PROGRAMS IN THE SCHOOL

The Barbara Jordan – Mickey Leland School of Public Affairs, named for two of Houston’s most distinguished public servants, is an outstanding undergraduate program at one of the nation’s largest Historically Black Colleges and Universities. The unique urban mission of Texas Southern University and its location in the heart of Houston make it the perfect vantage point to develop a foundation of academic status. The University is located in the city’s historic Third Ward and the entire metropolitan region offers an unparalleled urban laboratory for students to learn.

The facility also houses the Barbara Jordan Institute, a public policy institute dedicated to finding policy solutions to the many challenges facing urban communities at the local, regional, national and global level, and to advancing civic engagement.

The Barbara Jordan – Mickey Leland School of Public Affairs has a reputation as a comprehensive center for sound academic research. Administration of Justice scholars focus on the correlates of crime, police violence, terrorism, ethics, environmental justice, the interplay of race and crime, and the various legal and justice systems. Political Science scholars focus on public opinion and political attitudes, political participation, African-American politics, race and politics, religion and politics, race and governance, policy studies, leadership, E-government, emergency management, and homeland security. Scholars in Urban Planning and Environmental Policy focus on urban transportation, housing and community development, environmental racism, Diaspora studies, environmental planning, economic development and the fiscal responsibility of urban governments, sustainability, and an array of environmental issues and conditions.

The Barbara Jordan – Mickey Leland School of Public Affairs has established strategic partnerships with numerous public and private sector entities. These partnerships offer our students unique opportunities to gain hands-on skills and establish contacts and references for the future.

Requirements for the B.S. in Administration of Justice, the B.A. in Political Science, the B.S. in Public Affairs, and the B.S. in Emergency Management and Homeland Security are specified, in detail, below within the department descriptions. As first-time degree seekers, AJ, POLS, and PA students are required to declare a minor in a second academic discipline either through the School or through a different college or school for graduation. Only majors in Emergency Management and Homeland Security are exempt from declaring a minor. Grades of “C” or better (grades of “C-” are unacceptable) must be earned in all major and minor courses required for graduation. Additionally, in selecting minors, students should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum for the degree of choice could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours satisfactorily completed. At the beginning of the senior year, majors should have their overall transcripts and records evaluated by their advisor to verify their status with regard to graduation. **An exit examination is required of all graduating seniors.**



## LISTING OF FACULTY IN THE SCHOOL

<p><b>Bullard, Robert D.</b>  <b>Professor &amp; Dean</b>                      B.S., Alabama A&amp;M University                      M.A., Atlanta University                      Ph.D., Iowa State University</p>	<p><b>Johnson, Glenn S.</b>  <b>Assoc. Dean &amp; Associate Professor – Urban Planning &amp; Environmental Policy</b>                      B.A., B.A., M.A., Ph.D., - University of Tennessee</p>
<p><b>Mangum, Maruice</b>  <b>Int. Assoc. Dean &amp; Professor – Political Science</b>                      B.A., - University of Iowa                      M.A. – The Ohio State University                      Ph.D. - Louisiana State University</p>	<p><b>Nance, Earthea</b>  <b>Assoc. Dean, &amp; Associate Professor – Political Science &amp; Urban Planning &amp; Environmental Policy</b>                      B.S., M.S., University of California- Davis                      Ph.D., Stanford University</p>
<p><b>Adams, Michael O.</b>  <b>Professor, Program Director &amp; Interim Chair – Political Science</b>                      B.A., Tougaloo College                      M.A., Ph.D., Atlanta University</p>	<p><b>Aiyer, Jay</b>  <b>Assistant Professor – Political Science</b> B.A., M.P.A.,                      University of Texas at Austin                      J.D., South Texas College of Law</p>
<p><b>Baker, David</b>  <b>Associate Professor &amp; Department Chair – Administration of Justice</b>                      B.A., M.A., Ph.D., York University</p>	<p><b>Christophe, Antoinette</b>  <b>Associate Professor – Political Science</b>                      B.S., M.S., Southern University                      M.S., Louisiana State University                      Ph.D., Southern University</p>
<p><b>Chun, Bumseok</b>  <b>Assistant Professor – Urban Planning &amp; Environmental Policy</b>                      B.E., Inha University                      M.S., The Ohio State University                      M.C.R.P., Ohio State University                      Ph.D., Ohio State University</p>	<p><b>Esechie, Jovita</b>  <b>Visiting Assistant Professor – Political Science</b>                      B.S., Columbia Pacific University                      M.P.A., Texas Southern University                      Ph.D., Texas Southern University</p>
<p><b>Ewoh, Andrew</b>  <b>Professor – Political Science</b>  <b>Interim Associate Dean, Academic Affairs</b>                      B.S., University of Louisiana at Lafayette                      M.P.A., Southern University                      M.A., Ph.D., University of Texas at Dallas</p>	<p><b>Drake, Jasmine</b>  <b>Assistant Professor – Administration of Justice</b>                      B.S., Southern University                      Ph.D., Louisiana State University</p>
<p><b>Georges-Abeyie, Daniel E.</b>  <b>Professor – Administration of Justice</b>                      B.A., Hope College                      M.A., University of Connecticut                      Ph.D., Syracuse University</p>	<p><b>Gilbert, Sharlette A.</b>  <b>Associate Professor – Administration of Justice</b>                      B.A., Prairie View A&amp;M University                      M.A., Texas Southern University                      Ph.D., Prairie View A&amp;M University</p>
<p><b>Henderson, Howard</b>  <b>Professor – Administration of Justice</b>                      B.S., Middle Tennessee State                      M.C.J., Tennessee State University                      Ph.D., Sam Houston State University</p>	<p><b>Herrington, Theophilus</b>  <b>Associate Professor – Political Science</b>                      B.A., Fort Valley State University                      M.A., University of Illinois at Champaign-Urbana                      Ph.D., University of Illinois at Champaign-Urbana</p>

<p><b>Ibitayo, Olurominiyi</b>  <b>Associate Professor – Urban Planning &amp; Environmental Policy</b>  B.S., University of Ibadan  M.S., Colorado State University  M.S., Ph.D., Arizona State University</p>	<p><b>Lowe, Jeffery</b>  <b>Associate Professor– Urban Planning &amp; Environmental Policy</b>  B.B.A., Howard University M.C.R.P., Morgan State University  Ph.D., Rutgers University</p>
<p><b>Kalunta-Crumpton, Anita</b>  <b>Professor – Administration of Justice</b>  B.S., University of Nigeria  M.S., University of Calabar, Nigeria  Ph.D., University of West London, United Kingdom</p>	<p><b>Majumdar, Sarmistha</b>  <b>Associate Professor– Urban Planning &amp; Environmental Policy</b>  B.Sc., Lady Brabourne College  M.A., Montclair State University  M.C.R.P., Rutgers University  Ph.D., Rutgers University</p>
<p><b>Mozayani, Ashraf</b>  <b>Executive Director of Forensic Sciences/ Professor - Administration of Justice</b>  PharmD. University of Tehran, Iran  Ph.D., University of Alberta</p>	<p><b>Mupier, Robert M.</b>  <b>Associate Professor – Administration of Justice</b>  B.B.A., University of Kinshasa  M.B.A., Western Illinois University  D.A., Illinois State University</p>
<p><b>Nayer, Gautam</b>  <b>Associate Professor – Administration of Justice</b>  B.A., American University  M.P.A., University of North Carolina at Pembroke  Ph.D., Rutgers University</p>	<p><b>Olonilua, Ponmile</b>  <b>Associate Professor – Political Science</b>  B.A., Obafemi Awolowo University, Ile-Ife, Nigeria  M.P.A., Texas Southern University  Ph.D., Texas Southern University</p>
<p><b>Onwudiwe, Ihekwoaba</b>  <b>Professor &amp; Department Chair – Administration of Justice</b>  B.A., Central State University  M.S., Ph.D., Florida State University</p>	<p><b>Pan, Qisheng</b>  <b>Professor &amp; Department Chair – Urban Planning &amp; Environmental Policy</b>  B.S., Peking University  M.S., Peking University  M.S., University of Southern California  Ph.D., University of Southern California</p>
<p><b>Perez-Feliciano, Luis</b>  <b>Associate Professor – Political Science</b>  B.A., Florida International University  M.A., Ph.D., Fordham University</p>	<p><b>Robinson, Carroll G.</b>  <b>Associate Professor – Political Science</b>  B.A., Stockton State College  J.D., George Washington University</p>
<p><b>Sen, Lalita</b>  <b>Professor – Urban Planning &amp; Environmental Policy</b>  B.S., University College Swansen, University of Wales  M.S., Ph.D., Northwestern University</p>	<p><b>Smith, Sheri</b>  <b>Associate Professor – Urban Planning &amp; Environmental Policy</b>  B.S., George Washington University  M.S., University of Illinois at Champaign Urbana  Ph.D., Texas A &amp; M University</p>
<p><b>Taylor-Greene, Helen</b>  <b>Professor – Administration of Justice</b>  B.S., Howard University  M.S., The American University  M.A., Ph.D., University of Maryland</p>	<p><b>Solitare, Laura</b>  <b>Associate Professor – Urban Planning &amp; Environmental Policy</b>  B.S., University of Connecticut  M.U.R.P., Virginia Commonwealth University  Ph.D., Rutgers University</p>

## DEPARTMENT OF ADMINISTRATION OF JUSTICE

The Department of Administration of Justice offers courses in Administration of Justice (DAJ). It offers an undergraduate degree, Bachelor of Science (B.S.), in Administration of Justice. Students pursuing undergraduate degrees or majors in other departments where they are required to declare a minor may seek a minor in the Administration of Justice. The Department of Administration of Justice also offers a minor in Forensic Science (FS), Military Science (MSCI), Air Force Leadership (AFSC), and Naval Science (NAVA). Interested students may obtain information from the Department office located on the fourth floor of the Public Affairs Building. The Department of Administration of Justice offers a Master of Science (M.S.) degree in Administration of Justice and a Doctor of Philosophy (Ph.D.) in Administration of Justice. Administered fully online, the Department also offers the Executive Masters in Administration of Justice (eMAJ).

The mission of the Department of Administration of Justice is to educate students for careers and community service within a diverse urban environment through the development of specialized knowledge and skills needed for effective public service. The Department strives to prepare students with not only facts and concepts, but also encourages students to think critically and ethically in applying knowledge to related problems and challenging situations.

The curriculum presents subjects designed to develop competence for employment, leadership roles and for students planning careers in the judiciary, law enforcement, parole and probation, corrections, institutional services, security administration, homeland security, and other related career areas.

Students wishing to pursue the undergraduate degree offered through the Department must first gain admission to the University. They must satisfy TSI requirements, eradicate identified deficiencies, and declare Administration of Justice as their major. **To declare a major in Administration of Justice, students must have an earned overall GPA of 2.50 or better and have completed the following four courses with grades of “C” or better (grades of “C-” are unacceptable):** POLS 235 (American Government), POLS 236 (Texas Government), ENG 131 (Freshman English I), and ENG 132 (Freshman English II). Once admitted to the Department, students are each assigned an Academic Advisor who must approve all class schedules. They must also keep the Department Office informed of current addresses and telephone numbers prior to graduation. Students must also retain a minimum overall GPA of 2.00 and fulfill all prerequisites for required courses prior to scheduling them to remain in good standing in the Department. Students failing to meet prerequisites for courses will be administratively withdrawn from them. Students are also cautioned that transfer credits will be accepted for either elective or required courses only if grades of “C” or better have been earned (grades of “C-” are unacceptable) at an accredited educational institution.

Students wishing to pursue the B.S. in Administration of Justice are cautioned that a prior criminal conviction may be used to deny access or placement in various jobs in the criminal justice system, especially those related to the judiciary, law enforcement, detention, and corrections, even when the degree has been earned.

Requirements for the B.S. in Administration of Justice are specified in detail below. As first-time degree seekers, students are required to declare a minor in a second academic discipline either through the Department or through another department for graduation. **Grades of “C” or better (grades of “C-” are unacceptable) must be earned in all major and minor courses required for graduation.** Additionally, in selecting minors, students should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum for the degree of choice could influence the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours satisfactorily completed. At the beginning of the senior year, majors should have their overall transcripts and records evaluated by their Academic Advisor to verify their status with regard to graduation. An exit examination is required of all graduating seniors.

**For a minor in Administration of Justice, twenty-one (21) semester credit hours are required.** The following courses (3 semester credit hours each) must be taken: AJ 100, AJ 105, AJ 211, AJ 220, and AJ 240. In addition, six (6) 300-level or 400-level semester credits must be earned as electives along with the five courses identified.

**For a minor in Forensic Science, twenty-one (21) semester credit hours are required.** The following courses (3 semester credit hours each) must be taken: AJ 105, FORS 226, FORS 236, FORS 326, AJ 411 and FORS 416. In addition, three (3) 300-level or 400-level semester credits must be earned as an elective along with the six courses identified.

**For a minor in Military Science, twenty-one (21) semester credit hours are required.** To qualify for this minor, twelve (12) credit hours must be taken in 300-to-400-level courses. Nine (9) credit hours must be completed in residence, and six (6) of the nine (9) must be in 300-to-400-level courses. Students may receive credit for 100-200-level courses based upon prior military training, completion of ROTC Basic Camp, completion of JROTC training, or completion of one year at a service academy.

**For a minor in Air Force Leadership, eighteen (18) semester credit hours are required.** To qualify for this minor, a minimum of eighteen (18) hours must be taken and twelve (12) must be taken in 300- to 400-level courses. Nine (9) credit hours must be completed in residence and six (6) of the nine (9) must be in 300- to 400-level courses. Students must achieve a minimum 2.0 GPA in all Air Force Leadership courses.

**For a minor in Naval Science, eighteen (18) semester credit hours are required.** The following courses (3 semester credit hours each) must be taken: NAVA 101, NAVA 103, NAVA 203, and NAVA 402. In addition, six (6) 300-level or 400-level semester credits must be earned as electives along with the four courses identified. The following courses (3 semester credit hours each) are among the electives students may choose: NAVA 301, NAVA 302, NAVA 303, NAVA 403, and NAVA 410. To qualify for this minor, twelve (12) credit hours must be completed in residence and nine (9) of the twelve (12) must be in 300- to 400-level courses. Students must achieve a minimum 2.0 GPA in all Naval Science courses.

## ADMINISTRATION OF JUSTICE COURSES

AJ 100	<p><b>Introduction to Criminology</b> (3)</p> <p>An introduction to the scientific study of crime. Three hours of lecture per week. <b>Listed as CRIJ 1301 in the Texas Common Course Numbering System.</b></p>
AJ 105	<p><b>Introduction to Administration of Justice</b> (3)</p> <p>An introduction to the U.S. and Texas criminal justice systems. Definition of crime, law enforcement, prosecution, due process, and rehabilitation systems. Prerequisite for all Administration of Justice courses. Three hours of lecture per week. <b>Listed as CRIJ 1307 or 1310 in the Texas Common Course Numbering System.</b></p>
AJ 211	<p><b>Introduction to Court Systems</b> (3)</p> <p>Examines the role of courts in the criminal justice system. Special attention on processes and organization of state and federal courts. Three hours of lecture per week. Listed as CRIJ 1306 in the Texas Common Course Numbering System.</p>
AJ 220	<p><b>Introduction to Corrections</b> (3)</p> <p>Historical development of the current structure and dynamics of correctional organizations and their practices. Three hours of lecture per week. <b>Listed as CRIJ 2301 or 2313 in the Texas Common Course Numbering System.</b></p>
AJ 240	<p><b>Introduction to Law Enforcement</b> (3)</p> <p>Survey of both public and private law enforcement agencies with special emphasis on public law enforcement agencies at the different levels of government. Three hours of lecture per week. <b>Listed as CRIJ 2328 in the Texas Common Course Numbering System.</b></p>
AJ 250	<p><b>Legal Aspects of Law Enforcement</b> (3)</p> <p>Designed to create an awareness of the law governing the behavior of law enforcement officials. Special attention given to probable cause, interrogation, arrest, searches and seizures, and criminal court procedure. Three hours of lecture per week. <b>Listed in the Texas Common Course Numbering System as CRIJ 2323.</b></p>
AJ 300	<p><b>Substance Abuse</b> (3)</p> <p>Designed to focus on varied substances, including drugs and alcohol that are currently being used and abused in society. Three hours of lecture per week.</p>
AJ 301	<p><b>Research Methods in Administration of Justice</b> (3)</p> <p>Introduction to applied research methods in administration of justice with emphasis on descriptive statistical methods as a tool for assisting administration of justice administrators and researchers in decision making. Computer applications included. Three hours of lecture per week.</p>
AJ 302	<p><b>Quantitative Methods in Administration of Justice</b> (3)</p> <p>Continuation of AJ 301. Introduces probability and inferential statistics as analytical tools useful to administration of justice administrators and researchers. Students are expected to gain knowledge and experience in the use of packaged statistical software in data analysis. Three hours of lecture per week. Prerequisite: AJ 301.</p>
AJ 310	<p><b>Criminal Law and Procedure</b> (3)</p> <p>Basic concepts of criminal law with an emphasis on the penal law of Texas. Evidence sufficiency, procedural due process, and constitutional safeguards also addressed. Three hours of lecture per week. Prerequisite: AJ 211 and AJ 250.</p>

<b>AJ 313</b>	<b>Judicial Administration</b> Local, state, and federal judicial operations; constitutional, legislative, and judicial influence on administrative action; and administrative problems associated with judicial functions. Prerequisite: AJ 211.	<b>(3)</b>
<b>AJ 321</b>	<b>Probation and Parole Administration</b> Systems of probation and parole from the perspective of organization, operation, and results; legal and administrative requirements of probation management; substitutions for incarceration. Three hours of lecture per week. Prerequisite: AJ 220.	<b>(3)</b>
<b>AJ 322</b>	<b>Juvenile Justice System</b> Examination of aspects of the juvenile justice history and philosophy; court practices and procedures; police practices and corrections. Three hours of lecture per week.	<b>(3)</b>
<b>AJ 333</b>	<b>Police and Community Relations</b> Role of the urban police department in community relations and how the police and the community can establish a more effective relationship. Three hours of lecture per week.	<b>(3)</b>
<b>AJ 334</b>	<b>Criminal Investigation</b> Designed to focus on the theory and practice of criminal investigation, including techniques and skills of successful investigators. Three hours of lecture per week. Prerequisite: AJ 240.	<b>(3)</b>
<b>AJ 335</b>	<b>Community-Based Corrections</b> Principles and practices of community-based corrections such as probation, intermediate sanctions and parole. Emphasis is on functions, supervisions, problems, methods and technologies utilized in community-based programs.	<b>(3)</b>
<b>AJ 345</b>	<b>Comparative Administration of Justice</b> An introduction to various administration of justice systems and practices operative in different nation- states. Three hours of lecture per week.	<b>(3)</b>
<b>AJ 411</b>	<b>Seminar on Administration of Justice Ethics</b> Ethical issues in criminal justice by philosophers, criminal justice professionals, lawyers and judges, and the general public. Includes topics relating to policy, courts, corrections, and issues in legal philosophy. Prerequisite: 18 semester credit hours in Administration of Justice or consent of the instructor.	<b>(3)</b>
<b>AJ 412</b>	<b>Selected Topics in Administration of Justice</b> The review of various administration of justice beliefs and practices; the topics can vary by semester and instructor. May be repeated for up to 9 credits as topics vary. Three hours of lecture per week.	<b>(3)</b>
<b>AJ 441</b>	<b>Correctional Administration</b> Organizational and administrative problems and procedures unique to corrections. Custody, discipline, security force distribution, and coordination with treatment services within correctional institutions. Personnel policies, budgets, and the prison community's social structure. Three hours of lecture per week. Prerequisite: AJ 220.	<b>(3)</b>
<b>AJ 450</b>	<b>Police Administration</b> Emphasis on police management theory and practice; personnel management; planning and research; management of information; allocation and distribution of operational human resources. Three hours of lecture per week. Prerequisite: AJ 240.	<b>(3)</b>
<b>AJ 452</b>	<b>Race and Crime</b>	<b>(3)</b>

An introduction to the impact and relationship of race and ethnicity to crime. Three hours of lecture per week.

- AJ 453 Administration of Justice Theories (3)**  
This course is designed to provide students with an understanding of competing theories in administration of justice. Three hours of lecture per week.
- AJ 460 Administration of Justice Internship (3)**  
Supervised practical experience in public and nonprofit selected agencies. Three hours of lecture per week. Prerequisite: Junior/senior standing.
- AJ 499 Capstone (3)**  
An overview of the discipline emphasizing synthesis of theory and research, critical reflection and evaluation, and recent developments in Administration of Justice. Particular emphasis will be given to the integration of Administration of Justice with other social sciences. Required of all majors in AJ.

### FORENSIC SCIENCE COURSES

- FORS 226 Introduction to Forensic Science (3)**  
This course provides the beginning student with an overview of the forensic sciences, including exposure to the rules of evidence, evidence collection and handling, expert witness testimony and an introduction to the various sub-disciplines that fall under the umbrella of the forensic sciences. The course is open to undergraduates as an elective.
- FORS 236 Forensic Evidence Collection and Processing (3)**  
This course serves as a comprehensive review of all aspects of evidence collection and preservation. Prerequisite: FORS 226 or permission of the instructor.
- FORS 326 Forensic Science Analysis (3)**  
This course is an introduction to classical and modern forensic science laboratory techniques. Prerequisites: FORS 226 and FORS 236. Junior standing or above.
- FORS 416 Forensic Science Seminar (3)**  
This course will focus on criminal and civil cases as well as forensic science literature research. Students will conduct forensic science research, including case reviews, searches for forensic literature, and analysis of trial testimony. Prerequisites: FORS 226, FORS 236, FORS 326, and senior standing.

### MILITARY SCIENCE COURSES

- MSCI 113 Ranger Challenge Training (1)**  
Team competition, land navigation, rifle marksmanship, tactics, and survival skills covered. Fitness training requires cadets to compete against other universities. Prerequisite: Must be enrolled for Military Science minor.
- MSCI 115 Physical Readiness Training (1)**  
Satisfies physical education requirements. Utilizes U.S. Army fitness techniques in developing strength, flexibility, and endurance. Develops self-confidence through leadership training and physical activities. Open to all students at the University. Offered during the fall semester only.
- MSCI 121 Introduction to Army and Marksmanship (2)**



Introduction to the role of the U.S. Armed Forces in society. Emphasizes weapon safety, responsibility, and marksmanship techniques. No military obligation incurred for attendance. Open to all students at the University.

<b>MSCI 122</b>	<b>Survival and Unarmed Self-Defense</b>	<b>(2)</b>
	Basic concepts and techniques in unarmed self-defense, field expedient techniques, and basic field craft addressed. Rape prevention techniques also addressed. No military obligation incurred for attendance. Open to all students at the University.	
<b>MSCI 221</b>	<b>Military Leadership Development</b>	<b>(2)</b>
	Introduction to leadership, problem analysis, decision making, oral communication, first aid, land navigation, basic radio communications, marksmanship, and repelling. Fitness training and laboratory required.	
<b>MSCI 222</b>	<b>Military Leadership Development</b>	<b>(2)</b>
	Continuation of MSCI 221. Fitness training and laboratory required.	
<b>MSCI 241</b>	<b>Basic Camp</b>	<b>(4)</b>
	Six-week, off-campus field training practicum that introduces students to the military. Includes topics in leadership and repelling. No military obligation is incurred for attendance. Prerequisite: Consent of the Faculty Chair.	
<b>MSCI 331</b>	<b>Advanced Military Science</b>	<b>(3)</b>
	Introduction to small unit leadership, troop leading procedures, leadership theory, and small unit patrolling. Fitness training required as part of the course. Prerequisite: Consent of the Faculty Chair.	
<b>MSCI 332</b>	<b>Advanced Military Science</b>	<b>(3)</b>
	Introduction to combat orders and military principles, small unit tactics, and tactical communications. Fitness training required as part of the course. Prerequisite: Consent of the Faculty Chair.	
<b>MSCI 431</b>	<b>Advanced Military Science</b>	<b>(3)</b>
	Leadership and command, military law, administration/staff operations and procedures, dynamics of the military team, training management, ethics, and professionalism. Fitness training required as part of the course. Prerequisite: Consent of the Faculty Chair.	
<b>MSCI 432</b>	<b>Advanced Military Science</b>	<b>(3)</b>
	Continuation of MSCI 431. Fitness training required as part of the course. Prerequisite: Consent of the Faculty Chair.	

### **AIR FORCE LEADERSHIP COURSES**

<b>AFSC 1201:</b>	<b>Foundations of the USAF I</b>	<b>(2)</b>
	Overall roles and missions of the USAF; career fields available. Emphasis on military customs and courtesies, appearance standards, core values, written and personal communication. Introduction to American military history.	
<b>AFSC 1202:</b>	<b>Foundations of the USAF II</b>	<b>(2)</b>
	Overall roles and missions of the USAF; career fields available. Emphasis on military customs and courtesies, appearance standards, core values, written and personal communication. Introduction to American military history.	
<b>AFSC 2201:</b>	<b>Evolution of Air Power I</b>	<b>(2)</b>



Key historical events and milestones in the development of air power as a primary instrument of United States national security. Core values and competencies of leaders in the United States Air Force. Tenets of leadership and ethics.

- AFSC 2202: Evolution of Air Power II (2)**  
Key historical events and milestones in the development of air power as a primary instrument of United States national security. Core values and competencies of leaders in the United States Air Force. Tenets of leadership and ethics.
- AFSC 3301: Air Force Leadership Studies I (3)**  
Leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, and leadership ethics. Case studies of Air Force leadership and management situations.
- AFSC 3302: Air Force Leadership Studies II (3)**  
Leadership, management fundamentals, professional knowledge, Air Force personnel and evaluation systems, and leadership ethics. Case studies of Air Force leadership and management situations.
- AFSC 4301: National Security Affairs I (3)**  
Evolution of the role of national security in a democratic society with emphasis on policy formation, competing values, and organizations. Civilian control of the military; roles of the services; functions of the Air Force Commands.
- AFSC 4302: National Security Affairs II (3)**  
Evolution of the role of national security in a democratic society with emphasis on policy formation, competing values, and organizations. Civilian control of the military; roles of the services; functions of the Air Force Commands.

#### **NAVAL SCIENCE COURSES**

- NAVA 101: Naval Orientation (3)**  
An introduction to naval traditions and customs, seamanship, naval organization and missions, and the fundamental concepts of sea power.
- NAVA 103: Sea Power and Maritime Affairs (3)**  
Readings, discussions, and research on selected topics related to the history, importance, and impact of sea power on modern civilization.
- NAVA 203: Leadership Management I (3)**  
An introduction to the principles and concepts of management, organization, leadership, information systems, and decision making.
- NAVA 301: Navigation (3)**  
Marine navigators and laws of vessel operations. Includes coastal piloting, navigational aids, nautical astronomy, satellite and inertial systems, and rules of the nautical road.
- NAVA 302: Naval Operations and Seamanship (3)**  
An analysis of ship movements, formations, and fleet operations. Includes Rules of the Road, maneuvering board, tactical publications and communications.
- NAVA 303: Evolution of Warfare (3)**  
Historical survey of the evolution of the conduct of warfare. Strategy, tactics, weapons, organization, and military leaders/thinkers are studied.
- NAVA 304: Naval Weapons Systems (3)**

The theory and employment of weapons systems. The student explores the processes of detection, evaluation, threat analysis, weapon selection, delivery, guidance, and explosives. The physical aspects of radar and underwater sound are described in detail.

- NAVA 403: Naval Engineering (3)**  
Ship propulsion systems, auxiliary systems, steering systems, electrical power distribution, ship design, ship stability and damage control measures.
- NAVA 402: Leadership and Ethics (3)**  
Leadership principles with particular emphasis on ethics, human resources management, military law and discipline, and administration.
- NAVA 410: Amphibious Warfare (3)**  
Study of the history of amphibious warfare, using case studies to examine doctrine tactics, and the factors necessary for successful operations.

**CURRICULUM SUMMARY BACHELOR OF SCIENCE DEGREE IN  
ADMINISTRATION OF JUSTICE  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)		MAJOR (ADMINISTRATION OF JUSTICE)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		44 credits	13 credits	21 credits
<b>Communication:</b>		AJ 100 (3)	Free Elective (3)	Contact department of
ENG 131 (3)	ENGL 1301	AJ 105 (3)	MATH 134 or higher (3)	choice after being admitted
ENG 132 (3)	ENGL 1302	AJ 211 (3)	Foreign Language (3)	as an Administration of
<b>Mathematics:</b>		AJ 220 (3)	Foreign Language (3)	Justice major.
MATH 132 (3) or MATH 133	MATH 1332 or MATH 1314	AJ 240 (3)	FS 102 (1)	
<b>Life and physical sciences:</b>		AJ 250 (3)		
BIOL 143 (3) or CHEM 131	BIOL 1308 or CHEM 1311	AJ 301 (3) or PA 301 or POLS 301		
GEOL 141 (3)	GEOL 140 3	AJ 302 (3) or PA 302 or POLS 302		
<b>Language, philosophy, and culture:</b>		AJ 411 (3)		
ENG 2xx (3) ***		AJ 460 (3) or take PA 450 or EMGT 480		
<b>Creative arts:</b>		AJ 499 (2)*		
AR T 135 (3) or ART 137 (3) or  MUSI 136 or  MUSI 23 9 (3) or T H EA 1 3 0 (3)	A R T S 1301 HUMA 2323  MUSI 1306  HUMA 1315 DRAM 1310			
		Plus (12) credits in the electives below		
		<b>Each course is 3 credit hours:</b>		
<b>American history:</b>		AJ 300 AJ 310		
HIST 231 (3)	HIST 1301	AJ 313 AJ 321		
HIST 232 (3)	HIST 1302	AJ 322 AJ 333		
<b>Government/political science:</b>		AJ 334 AJ 335		
POLS 235 (3)	GOVT 2305	AJ 345 AJ 412		
POLS 236 (3)	GOVT 2306	AJ 430 AJ 441		
<b>Social and behavioral sciences:</b>		AJ 450 AJ 452		
PS Y 131 (3) or SOC 15 7 (3) or  SOC 15 8 (3) or ECON 232 (3) or  SOC 221 or  SOC 238 or GEOG 132	PSYC 2301 or SOCI 1301  or SOCI 1306 or ECON 230 2  SOC 2306  ANTH 2346 GEOG 1303	AJ 453		
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
ECON 231 (3)	ECON 2301			

\*Transfer students, please see an academic Advisor

**BACHELOR OF SCIENCE DEGREE IN ADMINISTRATION OF JUSTICE  
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English 1	3	ENG 132 Freshman English II	3
	MATH 132 or 133	3	MATH 134 or higher	3
	ECON 231	3	SC 135 or SC 136 Business and Professional Communication or Public Address	3
	Creative Arts (3)	3	AJ 105 Intro to the Administration of Justice	3
	AJ 100 Intro .to Criminology	3	AJ 211 Intro to Court Systems	3
	FS 102 Freshman Seminar	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2XX Any 200 Level ENG	3	Social and Behavioral Sciences	3
	GEOL 141 Intro To the Earth	3	BIOL 143 Survey of Life Science	3
	POLS 235 American Government	3	POLS 236 Texas Government	3
	Foreign Language	3	Foreign Language	3
	AJ 220 Intro.To Corrections	3	AJ 240 Intro Law Enforcement	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	AJ 301 Research Methods in Administration of Justice or PA 301 or POLS 301	3	AJ 302 Quantitative Methods in Administration of Justice or PA 302 or POLS 302	3
	AJ 250 Legal Aspects of Law Enforcement	3	AJ 411 Seminar on Administration of Justice Ethics	3
	Minor	3	Minor	3
	Minor	3	Minor	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	AJ 460 Administration of Justice Internship (or PA 450 or EMGT 480)	3	AJ Elective	3
	AJ 499 Capstone Seminar in Administration of Justice	2	AJ Elective	3
	AJ Elective	3	Minor	3
	AJ Elective	3	Minor	3
	Minor	3	FREE Elective	3
		<b>14 Hrs</b>		<b>15 Hrs</b>

## DEPARTMENT OF POLITICAL SCIENCE

The Department of Political Science offers courses in Political Science (POLS) and Public Affairs (PA), as well as three undergraduate degrees, **the Bachelor of Arts (B.A.) in Political Science, the Bachelor of Science (B.S.) in Public Affairs, and the Bachelor of Science (B.S.) in Emergency Management and Homeland Security**. The Department also offers two graduate degrees, **the Master of Public Administration (M.P.A.) and the Online Executive Master of Public Administration (eM.P.A.)** (for information on the MPA refer to the Graduate School Bulletin). In addition to these programs, the department offers six (6) semester credit hours of American and Texas government that are required of all students by the University. Offices of faculty members are located on the fourth floor of the Barbara Jordan – Mickey Leland School of Public Affairs Building.

The mission of the department is essentially twofold: (1) to develop general competencies in students that will allow them to continue their education in either graduate or professional schools upon completion of their undergraduate studies; and (2) to prepare students for entry-level professional public service positions. Three objectives are prominent in the realization of this mission: (1) to provide students with essential knowledge and understanding of the dynamics related to the Texas, national, and international political systems and their relationships to these systems; (2) to provide students with an in-depth understanding of the American political system; and (3) to develop problem solving skills and competencies in students that will translate to various work settings.

Requirements for the B.A. in Political Science, B.S. in Public Affairs, and the B.S. in Emergency Management and Homeland Security are specified in detail below.

**As first-time degree seekers, students are required to declare a minor in a second academic discipline either through the Department or through another department for graduation. Grades of “C” or better (grades of “C-” are unacceptable) must be earned in all major and minor courses required for graduation. Additionally, in selecting minors, students should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum for the degree of choice could impact the total number of credits required. In no case will students qualify for graduation at the undergraduate level with fewer than 120 semester credit hours satisfactorily completed.**

At the beginning of the senior year, majors should have their overall transcripts and records evaluated by the Faculty Chair to verify their status with regard to graduation. **An exit examination is required of all graduating seniors.**

**Students wishing to pursue one of the three undergraduate degrees offered through the Department must first gain admission to the University, and must petition the Department for admission. In petitioning, students must have an earned overall GPA of 2.00 or better and have completed the following courses with grades of “C” or better (grades of “C-“ are unacceptable):**

- **POLS 235 (American Government);**
- **POLS 236 (Texas Government);**
- **ENG 131 (Freshman English I); and**
- **ENG 132 (Freshman English II).**

In those instances where a student has an exemplary record and may not have met all of the requirements, he/she can make a special appeal to the Department for admission. Once admitted to the Department for admission, students are each assigned an official advisor who must approve all class schedules, and they must keep the Department informed of current addresses and telephone numbers up to graduation. Students must also retain a minimum overall GPA of 2.00 and fulfill all prerequisites for required courses prior to scheduling them to remain in good standing in the Department. Students failing to meet prerequisites for courses will be administratively withdrawn from them. **Students are also cautioned that transfer credits will be accepted for either elective or required courses only if grades of “C” or better have been earned (grades of “C-” are unacceptable).**

**For a minor in Political Science, twenty-one (21) semester credit hours are required.** Students pursuing this minor must first complete POLS 235 and POLS 236 with grades of “C” or better (grades of “C-” are unacceptable) before enrolling in the following courses (3 semester credit hours each): POLS 330, POLS 340, POLS 390 or 391, POLS 410, and POLS 413. Six (6) elective credits in POLS (two additional courses of 3 credits each) must also be earned.

**For a minor in Public affairs, twenty-one (21) semester credit hours are required** through enrollment in the following courses: (3 semester credit hours each): PA 271, PA 311, PA 312, PA 313, PA 321, PA 400, and PA 401.

**For a minor in Emergency Management and Homeland Security, eighteen (18) semester credit hours are required** through enrollment in the following courses (3 semester credit hours each): EMGT 250, HMSC 260 and EMGT 480. Nine (9) elective credits in Emergency Management and Homeland Security (three additional courses of 3 credits each) must also be earned.

**For a minor in Pre-Law Studies, eighteen (18) semester credit hours are required** through enrollment in the following courses: (3 semester credit hours each): AJ 211 (AJ 310 if an AJ major), AJ 313, POLS 311, POLS 403, POLS 412, POLS 413 (POLS 420 if a POLS major).

## POLITICAL SCIENCE COURSES

- POLS 235**                      **American Government**    **(3)**  
Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties, and civil rights. Three hours of lecture per week. **Listed as GOVT 2305 in the Texas Common Course Numbering System.**
- POLS 236**                      **Texas Government**    **(3)**  
Origin and development of the Texas Constitution, structure and powers of state and local government, federalism and intergovernmental relations, political participation, the election process, public policy, and the political culture of Texas. Three hours of lecture per week. **Listed as GOVT 2306 in the Texas Common Course Numbering System.**
- POLS 240**                      **State and Local Government**    **(3)**  
A study of national, state, and local governments including, but not limited to, principles of American government, constitutions, federalism, political socialization, public opinion, interest groups, political parties, elections, the executive, legislative and judicial branches, and public policy. Three hours of lecture per week.
- POLS 250**                      **Introduction to Political Science**    **(3)**  
Introduction to the history, scope, methods, and approaches to the study of political science and politics. Prerequisites: POLS 235 and POLS 236. Required of majors. Three hours of lecture per week.
- POLS 301**                      **Research Methods in Political Science**    **(3)**  
Introduction to applied research methods in political science with emphasis on research design and descriptive statistical methods as a tool for assisting political scientists to conduct research. Computer applications included. Three hours of lecture per week. Prerequisites: POLS 235, 236, and 250.
- POLS 302**                      **Quantitative Methods in Political Science**    **(3)**  
Introduction to probability and inferential statistics as analytical tools useful to political scientists. Students are expected to gain knowledge and experience in the use of packaged statistical software in data analysis. Three hours of lecture per week. Prerequisites: POLS 235, 236, 250, and 301.
- POLS 310**                      **Legislative Politics**    **(3)**  
Structure of the powers and roles of legislatures and legislators, legislative structure, decision making, and internal and external pressure upon legislators. Special attention given to the United States Congress. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 311**                      **Judicial Politics**    **(3)**  
Structure, function, and process of the American court systems and related institutions; factors influencing judicial decision-making. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 320**                      **Politics and Environmental Justice**    **(3)**  
This course will examine the interaction between politics and the environment as it relates to human interactions and the environment. The main focus will be to examine the role of various actors/stakeholders in formulating policies as they pertain to humans and the environment. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 330**                      **Comparative Politics**    **(3)**  
Introduction to the methods and scope of comparative government; analysis of the institutions and cultures that impact selected governments. Required of majors. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.

- POLS 340 International Relations (3)**  
Survey of the major approaches and principles of international relations that affect the members of the international community. Required of majors. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 341 International Organizations (3)**  
Study of international organizations along with their roles, functions, and objectives in the international community. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 360 Political Systems of Africa (3)**  
Study of Modern Africa from World War 1 including the different European policies, growth of nationalism, movements to independence, white supremacist bloc, and Africa today. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 370 U.S. Latino Politics (3)**  
The study of U.S. Latino efforts to participate in the American political system, government and societal responses, and present status of U.S. Latinos in the political system. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 380 Political Systems of Latin America (3)**  
Study of the political and economic development of selected Latin American countries with emphasis on the period since World War 1. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 390 Classical and Medieval Theory (3)**  
Political philosophy of early Greek, Roman, and medieval European thinkers. Special concentration on the major political works of Plato and Aristotle. Required of majors. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 391 Modern Political Theory (3)**  
Political philosophy from the Italian city-state to the twentieth century. Special emphasis on Machiavelli, the Social Contract School, and Marx. Required of majors. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 392 American Political Thought (3)**  
Study of the development of political thought in the United States from the seventeenth century to the present. Emphasis placed on the historical context in which political thought and movements developed. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 393 African American Political Thought (3)**  
Analysis of ideas, personalities, relevant ideologies and categories, and the role of theory in African American political thought. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 401 Executive Politics (3)**  
The political dynamics of chief executives and their relationship to the competitive branches and units of government within the American political system. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 403 Public Policy (3)**  
An examination of the forces and constraints involved in making and implementing public policy. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.



- POLS 410 African American Politics (3)**  
The study of Blacks' efforts to participate in the American political system, government and societal responses, and present status of Blacks in the political system. Required of majors. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 411 American Political Parties (3)**  
The study of the American party system including the functions, activities, development, structure, and organization of political parties. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 412 Civil Rights (3)**  
A study of civil rights and how they have been impacted by the constitutional process of checks and balances; civil rights in party politics; civil rights as seen by American minorities. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 413 Constitutional Law (3)**  
The development and application of American constitutional law as interpreted by Supreme Court decisions on selected topics, cases, and recent trends. Required of majors. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 414 American Foreign Policy (3)**  
Factors shaping contemporary American foreign policy; administration and conduct of foreign affairs; the major foreign policy problems; cases in decision making. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 419 Selected Topics in Political Science (3)**  
Analysis of selected areas and problems in political science. Subject matter varies from year to year. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 420 Urban Politics (3)**  
Investigation of urban political systems; politics in America's large cities and their relationship to minorities; analysis of resources, strategies, and tactics in urban areas. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 440 Women and Politics (3)**  
Analysis of selected topics relevant to women and politics. Subject matters vary from year to year. Prerequisites: POLS 235 and POLS 236.
- POLS 450 Religion and American Politics (3)**  
Aims to ensure students understand the intersection of politics and religion. The course will describe and analyze the political impact, real and imagined, of religion on several dimensions of political life. It highlights how religion affects the political system and policymaking process, and how religion influences political attitudes, opinions, and behavior. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.
- POLS 460 Public Opinion (3)**  
This course accounts for the role of public opinion in the democratic politics of the U. S. The course addresses the contemporary literature on public opinion, including the relationship between public opinion and policy. This course provides an understanding of the major ideas and concepts in public opinion, fosters interest in learning more about political issues, and engages students in discussion of the important and controversial issues of the day. Three hours of lecture per week. Prerequisites: POLS 235 and POLS 236.



<b>PA 401</b>	<b>Policy Process</b>	<b>(3)</b>
	Examines the role, influence, and interaction of legislatures, executives, bureaucracies, courts, and interest groups. Focuses on policy processes, problem definition, agenda setting, budgeting, authorization, implementation, and oversight. Three hours of lecture per week. Prerequisite: PA 271.	
<b>PA 410</b>	<b>Seminar in Public Affairs</b>	<b>(3)</b>
	Special topics seminar that provides for the examination of selected public affairs problems and issues. Specific content varies from semester to semester. Three hours of lecture per week. Prerequisite: consent of the instructor.	
<b>PA 450</b>	<b>Internship in Public Affairs</b>	<b>(6)</b>
	Supervised work experience with various public, private, and governmental agencies. Intern will be jointly supervised by the agency head and appropriate academic advisor. Eighteen hours of laboratory per week. Prerequisites: Senior standing and consent of the appropriate faculty advisor or Faculty Chair.	
<b>PA 461</b>	<b>Supervised Independent Study</b>	<b>(6)</b>
	Designed to allow students to conduct a scientific inquiry into a problem and present the research finding in a scholarly manner. Prerequisites: Senior standing, overall GPA of 3.30 or better, recommendation from appropriate faculty members and faculty advisor, and approval of the Faculty Chair.	

**EMERGENCY MANAGEMENT AND HOMELAND SECURITY COURSES**

<b>EMGT 101</b>	<b>Introduction to Incident Command Systems</b>	<b>(3)</b>
	Describes the history, features, principles, organizational structure of Incident Command System and explains the relationship between ICS and the National Incident Management System (NIMS). Three hours of lecture per week.	
<b>EMGT 250</b>	<b>Introduction to Emergency Management</b>	<b>(3)</b>
	Course introduces emergency management theory, definitions, hazard identification, phases of emergency management, resource identification, roles and responsibilities of emergency managers, and coordination of various systems. Prerequisite for all courses. Three hours of lecture per week.	
<b>HMSC 260</b>	<b>Introduction to Homeland Security</b>	<b>(3)</b>
	Course introduces students to homeland security, its function, organization, and responsibilities. Topics include evaluation of homeland security, roles of agencies, the private sector, and individuals. Three hours of lecture per week.	
<b>EMGT 251</b>	<b>Natural Hazards and Emergency Management</b>	<b>(3)</b>
	Course examines major natural hazards and the efforts to mitigate their effect on society, and the management of these events at the various levels of governments. Three hours of lecture per week.	
<b>EMGT 252</b>	<b>Technological Hazards and Emergency Management</b>	<b>(3)</b>
	Course introduces students to the human hand in many “natural” hazards as well as management structures, procedures and techniques designed to cope with hazardous technologies. Three hours of lecture per week.	
<b>EMGT 351</b>	<b>Principles and Practices of Hazard Mitigation</b>	<b>(3)</b>
	Course identifies hazard risks, mitigation programs, strategies, mitigation opportunities, and cost effect solutions. Students learn the tools, resources, techniques, strategies, and programs of hazard mitigation. Three hours of lecture per week.	
<b>EMGT 352</b>	<b>Internally Displaced Persons and Natural Hazards</b>	<b>(3)</b>
	The impact of hazards on people forced to leave their homes and become internally displaced persons (IDPs) or refugees, as a result of disasters. Three hours of lecture per week.	

<b>EMGT 353</b>	<b>Business Crisis and Continuity Management</b> The course analyzes the methods by which government, private sector, nonprofits, and the general public respond to and recover from natural manmade disasters. Three hours of lecture per week.	<b>(3)</b>
<b>EMGT 354</b>	<b>Public Health Issues in Emergency Management</b> The course covers theory and practice of various public health issues in emergency preparedness and considers the implications for policy makers. Three hours of lecture per week.	<b>(3)</b>
<b>EMGT 355</b>	<b>Planning for Vulnerable Population</b> Discusses barriers and limitations to reaching vulnerable populations in a disaster and explores culturally competent strategies for their integration into preparedness plans. Three hours of lecture per week.	<b>(3)</b>
<b>EMGT 356</b>	<b>Continuity of Operations Planning and Implementation</b> Students explore the process of developing, implementing, exercising, and evaluating continuity of operations for both the public and private sectors and initiates recovery activities. Three hours of lecture per week.	<b>(3)</b>
<b>EMGT 357</b>	<b>Emergency Recovery, Response, Preparedness and Planning</b> Focus is on the planning and recovery process, the format, and response procedures; the evaluation of plans and the use of exercises to improve and implement plans. Three hours of lecture per week.	<b>(3)</b>
<b>EMGT 358</b>	<b>Social Dimensions of Disasters</b> Human behavior in disaster (myths and reality), group disaster behavior, community social systems, cultures, demographics and sociological disaster research case studies are studied. Three hours of lecture per week.	<b>(3)</b>
<b>EMGT 400</b>	<b>Environmental Issues in Disaster</b> The environmental impact that results from natural and manmade disasters: pollution (biological, chemical, and nuclear), depletion of natural resources, industrial activity and agricultural practices. Three hours of lecture per week.	<b>(3)</b>
<b>EMGT 401</b>	<b>Coastal Hazards Management</b> Addresses coastal processes, impacts of climate change and the risk imparted to man and his environment. Students learn the best approaches and management strategies. Three hours of lecture per week.	<b>(3)</b>
<b>EMGT 402</b>	<b>Building Disaster Resilient Communities</b> This course covers concepts needed to design and implement strategies in protecting communities from disasters, including decreasing community vulnerability and increasing community resiliency. Three hours of lecture per week.	<b>(3)</b>
<b>EMGT 403</b>	<b>Managing People in Disasters</b> Students develop a management style and leadership skills for effectively utilizing personnel in the delivery of community services during disaster operations. Three hours of lecture per week.	<b>(3)</b>
<b>EMGT 450</b>	<b>Seminar in Homeland Security</b> A systematic study of specialized subject matter in Emergency management. Topics for each semester vary, depending upon current interest and needs. Three hours of lecture per week.	<b>(3)</b>
<b>EMGT 480</b>	<b>Internship</b> Students apply classroom learning in emergency and disaster response associated agencies. Students perform prescribed work in an agency engaged in emergency and disaster management. Three hours of lecture per week.	<b>(3)</b>
<b>HMSC 361</b>	<b>Terrorism and Homeland Security</b>	<b>(3)</b>

Overview of international terrorism from its origins to the present. Analyzes how the U.S. government has responded and organized to counter the threats of terrorism. Three hours of lecture per week.

**HMSC 362**

**Legal and Political Issues of Homeland Security (3)**

Describes the legal aspects of current government regulations on intelligence operations, identity management, information dissemination, infrastructure protection, business community security concerns, and ethical issues. Three hours of lecture per week.

**HMSC 363**

**Legal and Political Issues of Homeland Security (3)**

Describes the legal aspects of current government regulations on intelligence operations, identity management, information dissemination, infrastructure protection, business community security concerns, and ethical issues. Three hours of lecture per week.

**CURRICULUM SUMMARY BACHELOR OF ARTS DEGREE IN POLITICAL SCIENCE**  
**TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)		MAJOR (POLITICAL SCIENCE)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		30 credits	27 credits	21 credits
<b>Communication:</b>		POLS 250 (3)	ECON 231 (3)	
ENG 131 (3)	ENGL 1301	POLS 330 (3)	ECON 232 (3)	
ENG 132 (3)	ENGL 1302	POLS 340 (3)	MATH 134 or higher (3)	
<b>Mathematics:</b>		POLS 390 (3) or POLS 391 (3)	POLS 301 (3) or AJ 301 or PA 301	
MATH 132 (3) or MATH 133	MATH 1332 or MATH 1314	POLS 410 (3)	POLS 302 (3) or AJ 302 or PA 302	
<b>Life and physical sciences:</b>		POLS 413 (3)	SOC 157 (3)	
BIOL 143 (3) or CHEM 131	BIOL 1308 or CHEM 1311		FS 102 (1)	
GEOL 141 (3) or BIOL 135 (3) or CHEM 132 (3) or PHYS 101 (3)	GEOL 1403	<b>Plus (12) credits from below</b>	Free Elective (2)	
<b>Language, philosophy, and culture:</b>		<b>Each course is 3 credits</b>	Foreign Language (3)	
ENG 2xx (3) ***			Foreign Language (3)	
<b>Creative arts:</b>		POLS 240 POLS 310		
ART 135 (3) or ART 137 (3) or MUSI 136 or MUSI 239 (3) or THEAT 130 (3)	ARTS 1301 HUMA 2323 MUSI 1306 HUMA 1315 DRAM 1310	POLS 311 POLS 320 POLS 341 POLS 360 POLS 361 POLS 370 POLS 380 POLS 381		
<b>American history:</b>		POLS 392 POLS 393		
HIST 231 (3)	HIST 1301	POLS 401 POLS 403		
HIST 232 (3)	HIST 1302	POLS 411 POLS 412		
<b>Government/political science:</b>		POLS 414 POLS 419		
POLS 235 (3)	GOVT 2305	POLS 420 POLS 431		
POLS 236 (3)	GOVT 2306	POLS 440 POLS 450		
<b>Social and behavioral sciences:</b>		POLS 460 POLS 470		
PSY 131 (3) or SOC 157 (3) or SOC 158 (3) or SOC 221 or SOC 238 or GEOG 132	PSYC 2301 or SOCI 1301 or SOCI 1306 or SOC 2306 ANTH 2346 GEOG 1303	POLS 490 POLS 498		
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3) or MIS 204 (3)	COSC 1301			

**BACHELOR OF ARTS DEGREE IN POLITICAL SCIENCE  
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131	3	ENG 132	3
	MATH 132 or MATH 133	3	MATH 134 or higher	3
	CS 116 or MIS 204	3	SOC 157	3
	POLS 235	3	POLS 236	3
	HIST 231	3	HIST 232	3
	FS 102	1		
		16 Hrs		15 Hrs

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2XX Any 200 Level ENG	3	SC 135 OR 136	3
	BIOL 143	3	GEOL 141	3
	Creative Arts (3)	3	Social and Behavioral Sciences (3)	3
	Foreign Language	3	Foreign Language	3
	POLS 250	3	POLS 330	3
		15 Hrs		15 Hrs

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 231	3	ECON 232	3
	POLS 301 or PA 301 or AJ 301	3	POLS 302 or PA 302 or AJ 302	3
	POLS 340	3	POLS Elective	3
	POLS 390 or POLS 391	3	POLS Elective	3
	Minor	3	Minor	3
	15 Hrs		15 Hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	POLS 413	3	POLS 410	3
	POLS Elective (Capstone)	3	POLS Elective	3
	Minor	3	Minor	3
	Minor	3	Minor	3
	Minor	3	FREE Elective	2
	15 Hrs		14 Hrs	

**CURRICULUM SUMMARY BACHELOR OF SCIENCE DEGREE IN PUBLIC AFFAIRS**  
**TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)		MAJOR (PUBLIC AFFAIRS)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		33 credits	24 credits	21 credits
<b>Communication:</b>		PA 271 (3)	ECON 231 (3)	
ENG 131 (3)	ENGL 1301	PA 301 (3) or POLS 301(3) or AJ 301	ECON 232 (3)	
ENG 132 (3)	ENGL 1302	PA 302 (3) or POLS 302(3) or AJ 302	MATH 134 or higher (3)	
<b>Mathematics:</b>		PA 311 (3)	SOC 157 (3)	
MATH 132 (3) or MATH 133	MATH 1332 or MATH 1314	PA 312 (3)	Foreign Language (3)	
<b>Life and physical sciences:</b>		PA 313 (3)	Foreign Language (3)	
BIOL 143 (3) or CHEM 131	BIOL 1308 or CHEM 1311	PA 321 (3)	FS 102 (1)	
GEO 141 (3) or BIOL 135 (3) or CHEM 132 (3) or PHYS 101 (3)	GEO 1403	PA 400 (3)	Free Elective (5)	
<b>Language, philosophy, and culture:</b>		PA 401 (3)		
ENG 2xx (3) ***		PA 410 (3)		
<b>Creative arts:</b>		PA 450 (3) or take EMGT 480 or AJ 460		
ART 135 (3) or ART 137 (3) or MUSI 136 or MUSI 239 (3) or THEAT 130 (3)	ARTS 1301 HUMA 2323 MUSI 1306 HUMA 1315 DRAM 1310			
<b>American history:</b>				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<b>Government/political science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
PSY 131 (3) or SOC 157 (3) or SOC 158 (3) or SOC 221 or SOC 238 or GEOG 132	PSYC 2301 or SOCI 1301 or SOCI 1306 or SOC 2306 ANTH 2346 GEOG 1303			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3) or MIS 204 (3) or EDCI 210	COSC 1301			



**BACHELOR OF SCIENCE DEGREE IN PUBLIC AFFAIRS  
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131	3	ENG 132	3
	MATH 132 or MATH 133	3	MATH 134 or higher	3
	CS 116 or MIS 204 or EDCI 210	3	SOC 157	3
	POLS 235	3	POLS 236	3
	HIST 231	3	HIST 232	3
	FS 102	1		
		16 Hrs		15 Hrs

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2XX Any 200 Level ENG	3	SC 135 or SC 136	3
	BIOL 143	3	GEOL 141	3
	Creative Arts (3)	3	Social and Behavioral Sciences (3)	3
	Foreign Language	3	Foreign Language	3
	PA 271	3	PA 301 OR POLS 301 or AJ 301	3
		15 Hrs		15 Hrs

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ECON 231	3	ECON 232	3
	PA 302 or POLS 302 or AJ 302	3	PA 311	3
	PA 313	3	PA 312	3
	Minor	3	PA 321	3
	Minor	3	Minor	3
		15 Hrs		15 Hrs

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	PA 401	3	PA 400	3
	PA 450 (or EMGT 480 or AJ 460)	3	PA 410	3
	Minor	3	Minor	3
	Minor	3	Minor	3
	FREE Elective	3	FREE Elective	2
		15 Hrs		14 Hrs

**CURRICULUM SUMMARY BACHELOR OF SCIENCE DEGREE  
IN EMERGENCY MANAGEMENT AND HOMELAND SECURITY (EMHS)  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)		MAJOR (EMHS)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		48 credits	30 credits	0 credits
<b>Communication:</b>		EMGT 250 (3)	ECON 231 (3)	
ENG 131 (3)	ENGL 1301	EMGT 251 (3)	ECON 232 (3)	
ENG 132 (3)	ENGL 1302	EMGT 252 (3)	SOC 157 (3)	
<b>Mathematics:</b>		EMGT 351 (3)	MATH 134 or higher (3)	
MATH 132 (3) or MATH 133	MATH 1332 or MATH 1314	EMGT 357 (3)	Foreign Language (6)	
<b>Life and physical sciences:</b>		EMGT 480 (3) or PA 450 or AJ 460	PA 271 (3)	
BIOL 143 (3) or CHEM 131	BIOL 1308 or CHEM 1311	HMSC 260 (3)	POLS 301 (3) or AJ 301 or PA 301	
GEO 141 (3) or BIOL 135 (3) or CHEM 132 (3) or PHYS 101 (3)	GEO 1403	HMSC 361 (3)	POLS 302 (3) or AJ 302 or PA 302	
<b>Language, philosophy, and culture:</b>		HMSC 362 (3)	Free Elective (2)	
ENG 2xx (3) ***		HMSC 363 (3)	FS 102 (1)	
<b>Creative arts:</b>				
ART 135 (3) or ART 137 (3) or MUSI 136 or MUSI 239 (3) or THEA 130 (3)	ARTS 1301 HUMA 2323 MUSI 1306 HUMA 1315 DRAM 1310	Plus (18) credits in electives from below Each course is 3 credits EMGT 101 EMGT 352		
<b>American history:</b>		EMGT 353 EMGT 354		
HIST 231 (3)	HIST 1301	EMGT 355 EMGT 358		
HIST 232 (3)	HIST 1302	EMGT 400 EMGT 402		
<b>Government/political science:</b>		EMGT 403 HMSC 460		
POLS 235 (3)	GOVT 2305	GEOG 338 JOUR 234		
POLS 236 (3)	GOVT 2306	HED 340 HSEH 232		
<b>Social and behavioral sciences:</b>		MTMS 445		
PSY 131 (3) or SOC 157 (3) or SOC 158 (3) or SOC 221 or SOC 238 or GEOG 132	PSYC 2301 or SOCI 1301 or SOCI 1306 or SOC 2306 ANTH 2346 GEOG 1303			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3) or MIS 204 (3) or EDCI 210	COSC 1301			

**BACHELOR OF SCIENCE DEGREE IN EMERGENCY MANAGEMENT AND HOMELAND SECURITY  
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131	3	ENG 132	3
	MATH 132 or MATH 133	3	MATH 134 or higher	3
	CS 116, MIS 204 or EDCI 210	3	SOC 157	3
	POLS 235	3	POLS 236	3
	HIST 231	3	HIST 232	3
	FS 102	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2XX Any 200 Level ENG	3	SC 135 or SC 136	3
	BIOL 143	3	GEOL 141	3
	Creative Arts (3)	3	Social and Behavioral Sciences (3)	3
	Foreign Language	3	Foreign Language	3
	EMGT 250	3	HMSC 260	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	POLS 301 or AJ 301 or PA 301	3	POLS 302 or AJ 302 or PA 302	3
	ECON 231	3	ECON 232	3
	EMGT 251	3	EMGT 252	3
	HMSC 361	3	HMSC 362	3
	PA 271	3	EMHS Elective	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	EMGT 351	3	EMGT 480 or PA 450 or AJ 460	3
	EMGT 357	3	HMSC 363	3
	EMHS Elective	3	EMHS Elective	3
	EMHS Elective	3	EMHS Elective	3
	EMHS Elective	3	FREE Elective	2
		<b>15 Hrs</b>		<b>14 Hrs</b>



## COLLEGE OF PHARMACY AND HEALTH SCIENCES

## COLLEGE OF PHARMACY AND HEALTH SCIENCES

### OVERVIEW

The College of Pharmacy and Health Sciences consists of three departments: **Pharmaceutical and Environmental Health Sciences, Pharmacy Practice and Clinical Health Sciences, and Pharmacy Administration and Administrative Health Sciences.** The College offers the Doctor of Pharmacy (Pharm.D) , a two-year pre-pharmacy, four-year professional program degree, and graduate degrees in Health Care Administration, the Master of Science (M.S.) in Health Care Administration, and Pharmaceutical Sciences, the Master of Science (M.S.) and Doctor of Philosophy (Ph.D.) in Pharmaceutical Sciences.

The College offers five baccalaureate or undergraduate degrees. The Department of Pharmaceutical and Environmental Health Sciences offers the Bachelor of Science (B.S.) in Environmental Health. The Department of Pharmacy Administration and Administrative Health Sciences offers the B.S. in Health Administration and B.S in Health Information Management. Additionally, the Department of Pharmacy Practice and Clinical Health Sciences offers the B.S. in Respiratory Therapy and the B.S. in Clinical Laboratory Science. Information on the Master of Science (M.S.) Degree in Health Care Administration and the M.S./Ph.D. degrees in Pharmaceutical Sciences can be obtained directly from the College of Pharmacy and Health Sciences Admissions Office (3100 Cleburne, Houston, Texas 77004-9987) or the Graduate School.

Administratively, the College is organized with a Dean who is assisted by an Associate Dean for Academic Affairs, Associate Dean for Clinical and Administrative Services, Assistant Dean for Student Services, Assistant Dean for Practice Programs, and three Faculty Chairs who administer the didactic and experiential components of all programs. The Associate Dean for Academic Affairs is responsible for all didactic academic matters of the College while the Associate Dean for Clinical and Administrative Services is responsible for all experiential training component academic matters, and in the absence of the Dean, are responsible for the operations of the College. The Assistant Dean for Student Services coordinates all student related organizations and activities including recruitment, admissions, registration, counseling, and academic advising. The Assistant Dean for Practice Programs is responsible for the coordination of the professional practice experiences program. The Dean, Associate Deans, Assistant Deans, and Chairs of Pharmaceutical Sciences and Pharmacy Practice are housed in the College of Pharmacy and Health Sciences buildings: Gray Hall and Nabrit Sciences Buildings.

### MISSION STATEMENT

The mission of the Texas Southern University College of Pharmacy and Health Sciences (COPHS) is to produce an ethnically diverse population of quality health professionals, especially African-Americans, who are competent in the delivery of interdisciplinary health services while addressing critical urban issues. In fulfilling its purpose, the College is committed to providing an innovative, productive and receptive learning environment for research, scholarly activities, and services; infusing new technology into its infrastructure and academic programs; preparing, nurturing and mentoring students to be leaders in their fields and responsible contributors to local, state, national, and global communities; ensuring that programs support the mission, vision and values of the University and the College through evaluating and assessing academic programs; delivering patient-centered, population-based, and preventive care in rural and urban settings; and, developing holistic-centered programs to reduce health disparities among minority and other disadvantaged populations.

### ACCREDITATION

The College of Pharmacy and Health Sciences is a member of the American Association of Colleges of Pharmacy and the Association of Schools of Allied Health Professions. Programs in Pharmacy are accredited by the Accreditation Council for Pharmacy Education (ACPE). The Respiratory Therapy Program is accredited by the Commission on Accreditation for Respiratory Care (CoARC) 1248 Harwood Road Bedford, TX 76021-4244, 817-283-2835 (Office) tel:+8172832835. The Health Information Management Program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The Clinical Laboratory Science (Medical Technology) Program is accredited by the National Accrediting Agency for Clinical Laboratory Science (NAACLS). The Environmental Health Program is accredited by the Environmental Health Science and Protection Accreditation Council (EHAC).

### REGISTRATION AS A PHARMACIST IN THE STATE OF TEXAS LICENSURE AND EXPERIENCE REQUIREMENTS

An applicant for licensure shall be of good moral character, provide satisfactory evidence that the age of 18 years has been obtained and shall meet one of the following requirements: (1) have graduated and received a professional degree from a college of pharmacy, the professional degree program of which has been accredited by ACPE, and meets the requirements of the board; or (2) have graduated from a foreign college of pharmacy and obtained full certification from the FPGEC.

To become a registered pharmacist in the State of Texas candidates must obtain a minimum grade of 75 on the North American Pharmacist Licensure Examination (NAPLEX); and must earn a minimum grade of 75 on the Multistate Pharmacy Jurisprudence Examination (MPJE).

The College of Pharmacy and Health Sciences has a structured practical experience program, approved by the Texas State Board of Pharmacy, which satisfies the practical experience requirement for licensure.

### **REGISTRATION IN ENVIRONMENTAL HEALTH**

Upon completion of all academic and professional work in Environmental Health students are eligible to receive the Bachelor of Science (B.S.) degree in Environmental Health. Persons completing the program of study in Environmental Health are eligible to apply for registration/certification with the National Environmental Health Association (NEHA), the Air Pollution Training Institute (APTI), the National Safety Council (NSC), the American Conference of Governmental Industrial Hygienists (ACGIH), the National Society of Health Physics (NSHP), the Texas Environmental Health Association (TEHA), and the Texas Commission on Environmental Quality (TCEQ). The curriculum of study prepares students for successful completion of registration/certification examinations for Environmental Quality Specialist, Hazardous Substance Professional, Industrial Hygienist, and Health Physicist.

### **REGISTRATION AS A HEALTH INFORMATION MANAGER**

The Bachelor of Science Degree is awarded to students upon successful completion of the curriculum in Health Information Management (HIM). Students are eligible 6-12 months prior to award of the bachelor's degree to attempt the test for the HIM registry through the American Health Information Management Association.

### **REGISTRATION/CERTIFICATION IN CLINICAL LABORATORY SCIENCE**

Upon completion of all academic and professional work in Clinical Laboratory Science, students are eligible to receive both the Bachelor of Science Degree in Clinical Laboratory Science and a Certificate of Completion in Clinical Laboratory Science, as well as to apply to take the national certification examination administered by the American Society for Clinical Pathology Board of Registry and the National Certification Agency for Medical Laboratory Personnel to become a registered Medical Laboratory Scientist.

### **LICENSURE/CERTIFICATION/REGISTRY AS A RESPIRATORY THERAPIST**

Eligible seniors are awarded the program Certificate of Completion and are then qualified to take the National Board of Respiratory Care Entry Level Examination (CRT). Following achievement of the CRT credential and award of State Licensure, seniors will take the two professional board Registry examinations (WRT and CSE) to obtain the Registered Respiratory Therapist (RRT) credential. The Bachelor of Science Degree in Respiratory Therapy is awarded upon successful completion of the curriculum and award of the RRT credential.

## ADMISSION POLICIES

### General

**Students are classified in the College of Pharmacy and Health Sciences (COPHS) as pre-professional or professional. Pre-professional students are lower level students who have not been accepted into the professional phase of a major or program. Professional students are those who have been accepted into the professional phase of one of the various degree programs. Pre-professional students must maintain a GPA of 2.50 or greater and are subject to the guidelines of the Undergraduate Academic Advising Monitoring System within the College. This may result in varying academic status classifications including academic warning, academic probation, and academic suspension. Any student wishing to change their major to enroll in one of the majors offered by the College must have a minimum GPA of at least 2.50.**

Admission to the Doctor of Pharmacy Program in the College of Pharmacy and Health Sciences is under the Office of Student Services in the College (through an official Admissions and Academic Standards Committee) and the Coordinator of Admissions. **All correspondence on this subject should be directed to the Coordinator of Admissions in the College of Pharmacy and Health Sciences Admissions Office at Texas Southern University (3100 Cleburne, Houston, Texas 77004-9987). A completed application, including all required supporting credentials, should be received by the College Admissions Office as early as possible.** Please refer to the College website for the specific application deadline for the Doctor of Pharmacy Program (new students are admitted only in the Fall semester). Students seeking admission to programs in Health Sciences should contact the Advisor for the Department of Health Sciences to provide program specific deadlines and guidance for application to the professional phase of a program. Credentials for admission must, in every case, include a complete record of all previous high school, college, and/or university work.

Because of the uniqueness of the various programs in the College of Pharmacy and Health Sciences, it is important that interested persons consult the specific program criteria that complement the general policies described here and seek advisement from advisors in the program of interest.

All requirements for graduation with the entry-level Doctor of Pharmacy Degree must be completed within six years after enrollment in the Professional Program. All requirements for graduation with a B.S. degree in one of the Health Sciences programs must be completed within six years after initial enrollment as a freshman or within four years in the professional program. When this is not the case, the complete academic records of students in question will be subject to review by the Faculty of the College of Pharmacy and Health Sciences to determine whether continuation will be allowed. **During the semester prior to graduation, students must file a graduation application. They should contact the Office of Student Services regarding the graduation application process.**

#### **A. For the Pre-Pharmacy Concentration**

Students enrolled in the Pre-Pharmacy Concentration are admitted based on the University's admissions policy. This policy provides equal educational opportunity to all graduates of accredited high schools in the United States and foreign countries and also mature adults who have passed the GED examination.

Students admitted to the Pre-Pharmacy Concentration should be referred to the Office of Student Services for advisement after they have met University placement test requirements. These students are primarily eligible to take core curriculum courses leading toward the entry-level Doctor of Pharmacy until they are eligible to apply for admission to the Professional Pharmacy Program. Students applying for the Professional Pharmacy Program must also have met University placement test requirements. Enrollment in the Pre- Pharmacy Concentration is not a guarantee of admission to the Professional Pharmacy Program.

#### **B. For the Professional Pharmacy Program or Curriculum**

1. Pre-professional (pre-pharmacy) students desiring to enroll in the Professional Pharmacy Program must submit an application for admission to the College's Admissions and Academic Standards Committee by the end of the first semester of the second year (sophomore level). The following should be noted:



- a. Prior to admission to the Professional Pharmacy Program, students must have completed all of the requirements for the first two years (pre-pharmacy curriculum) and met university placement test requirements.
  - b. No grade below “C” (2.00) will be accepted in the required courses. Students having grades below “C” in these courses will be allowed to repeat them, after which time they may apply again to the Professional Pharmacy Program.
  - c. The on-line application for admissions to the Entry-Level Pharm.D. Program and completed credentials must be received by the deadline stated on the College website for the year of admission.
  - d. The Pharmacy College Admissions Test (PCAT) is required for all students seeking admission. Applicants should see the College website for PCAT test dates that are acceptable. Applicants with PCAT scores more than one calendar year old will not be considered for admission.
  - e. Applicants must be interviewed before admission is offered. A completed on-line application for admission, including the required letters of recommendation/evaluation, scores from the Pharmacy College Admission Test (PCAT), and academic transcripts are required prior to consideration for an interview. Submission of all required documentation does not guarantee an invitation for an interview
2. **Currently enrolled Professional-program students must maintain an average of “C” (2.00) or better and earn grades of “C” or better in required courses in any given year. If these standards are not maintained, the following rules will be enforced:**
- a. Students may repeat the course(s), if offered, during the summer at the University or any approved accredited university before they can enter the next professional year of study. Students desiring to take pharmacy, health sciences or other courses off campus or in other departments of the University must secure permission from the Associate Dean for Academic Affairs of the College prior to registration.
  - b. Students failing (i.e., grade less than ‘C’) a required course will be allowed to repeat it twice. Students failing to receive a satisfactory grade after three unsuccessful attempts will not be allowed to continue in the Professional Pharmacy Program.

### **C. For Graduates of Foreign Schools of Pharmacy**

The Faculty of the College of Pharmacy and Health Sciences has approved the following stipulations for all graduates of Foreign Schools of Pharmacy seeking the entry-level Doctor of Pharmacy Degree from Texas Southern University:

1. All applicants in this category apply to the entry-level PharmD. program as a first year student, must take the Pharmacy College Admission Test (PCAT) and complete all prerequisites required for admission.
2. All foreign transcripts must be evaluated by one of the approved agencies certified by Texas Southern University. A complete list of agencies may be obtained from the Office of International Affairs at Texas Southern University.
3. All applicants in this category must meet the foreign language requirements of the University.

### **D. For the Pre-Health Sciences Program**

Admission to the Pre-Health Sciences Program is open to all students who: (1) present evidence of a having a diploma confirming high school graduation; (2) show evidence of good character and intellectual promise; and (3) present scores earned on either the SAT or ACT examination. Students in this category may follow the curriculum of study for the Health Sciences Program of choice prior to enrollment in professional-level courses.



Before enrollment in professional-level courses is permitted, students must formally apply for admission to the program of choice through the College of Pharmacy and Health Sciences Admissions and Academic Standards Committee and in accord with requirements or stipulations of each program as presented below. It is important that all applicants for the Health Sciences Programs seek advisement from the advisor of the program of interest. Once acceptance is recommended by the Committee, students may enroll in professional courses toward completion of requirements for the chosen Health Sciences Program degree and the respective professional credential.

### **E. For the Professional Program in Environmental Health**

All students seeking admission to this program must formally apply to the Admissions and Academic Standards Committee in the College through the Program Director. Applications must be accompanied by official transcripts of all college work (with evaluations from the University Registrar) and three letters of recommendation from previous teachers, advisors, or workplace supervisors. All applicants must have a GPA of 2.50 or better on a 4.00 scale in mathematics, biology, chemistry, and physics before entering the program. Students must have acceptance prior to enrollment in professional courses. Transfer students can substitute FS 102 with any course to complete the total credit hours required for graduation by their degree plan.

### **F. For the Professional Program in Health Administration**

Students are strongly advised to arrange an appointment with the program director or a faculty advisor prior to submitting an application to the professional Program. The advisor will assess your academic readiness to apply according to your completion rate of prerequisite courses, the first sixty hours in the degree plan. The minimum requirements for admission are a grade point average (GPA) of 2.5 on a 4.00 scale, two letters of recommendation, and completion of prerequisite courses by the beginning of the fall semester of entry into the professional Program.

All students accepted into the Health Administration Professional Program are expected to: (1) attend the Professional Phase Orientation; (2) avail themselves to Program professional development and networking opportunities; (3) wear the official Health Administration blazer on indicated days; and (4) be a participating member of the Student Healthcare Executive Association, the student led Health Administration campus organization. Transfer students can substitute FS 102 with any course to complete the total credit hours required for graduation by their degree plan.

### **G. For the Professional Program in Health Information Management**

To qualify for admission to the Health Information Management Program, students must submit applications to the Admissions and Academic Standards Committee in the College through the Program Director. Three letters of recommendation and transcripts of all college studies (including transfer evaluations from the University Registrar) are required to be submitted with the application. Applicants must have an overall GPA of 2.50 or better on a 4.00 scale in mathematics, business, and computer science to qualify for admission and prior to enrollment in professional courses. Transfer students can substitute FS 102 with any course to complete the total credit hours required for graduation by their degree plan.

### **H. For the Professional Program in Clinical Laboratory Science**

Students seeking admission to this program must arrange an appointment with the Program Director prior to submitting an application. Following initial advisement, students make application to the program by April for matriculation in the Fall semester entry level professional courses. (There is only one entering class each year in the Fall semester). Applicants must be accepted prior to enrollment in professional courses. Students applying must submit applications to the Admissions and Academic Standards Committee in the College through the Program Director, three letters of recommendation from previous instructors, and transcripts of all college work completed (with evaluations from the University Registrar). In addition, they must have a GPA of 2.50 or better on a 4.00 scale in mathematics, biology, chemistry, and physics. Applicants are required to take the HOBET (Health Occupations Basic Entrance Test) examination. Transfer students can substitute FS 102 with any course to complete the total credit hours required for graduation by their degree plan.

## I. For the Professional Program in Respiratory Therapy

Applications for admission to this program are accepted and finalized each Fall semester. Entry-level professional courses begin each Spring semester. The application process is competitive and requires submission of application the Admissions and Academic Standards Committee in the College through the Program Director. Three letters of recommendation and transcripts of all college studies completed (transferred credits must be evaluated by the University Registrar) are also required. Students applying must have a GPA of 2.50 or better on a 4.00 scale in mathematics and the basic sciences of biology, chemistry, and physics. Applicants are required to take the HOBET (Health Occupations Basic Entrance Test) examination. Transfer students can substitute FS 102 with any course to complete the total credit hours required for graduation by their degree plan.

All admissions requirements can be found on the College's website.

### TRANSFER CREDIT

The designation of “advanced standing” may be granted, by level, to students transferring from other institutions into the Pre-Pharmacy Program, the Professional Pharmacy Program, or one of the Health Sciences Programs on a case-by-case basis through the Office of Admissions at the University, through the Admissions and Academic Standards Committee in the College, and under rules set forth by authorized committees of the University Faculty. However, **students transferring, specifically, into one of the Health Sciences Programs may transfer no more than sixty-six (66) semester credit hours from either a community or junior college.** Post-baccalaureate applicants receive transfer credit evaluation through program advisors. The University reserves the right to determine, after a period of at least one semester, the exact number of advanced credits that a student may be credited.

### CLASSIFICATION OF STUDENTS IN PHARMACY

First-Year Professional (P1) students must have been approved for admission to the professional program by the Admissions and Academic Standards Committee. Second-Year Professional (P2) students are Pharm.D. students who have successfully completed all prescribed first-year courses with a grade of “C” or better, completed the P1 formative exam, and P1 co-curricular requirements. Third-Year Professional (P3) students are Pharm.D. students who have completed all prescribed first and second-year courses with a grade of “C” or better, completed the P2 formative exam, and P2 co-curricular requirements. Fourth-Year Professional (P4) Pharm.D. students are students who have successfully completed pre-professional, first, second and third year prescribed courses with a grade of “C” or better, passed the P3 summative examination, and P3 co-curricular requirements. All students must have completed all prerequisites prior to the beginning of their P4 year in order to begin advanced pharmacy practice experiences. Students are required to maintain a GPA of 2.0 or better.

### CLASSIFICATION OF HEALTH SCIENCE MAJORS

#### A. Pre-Professional Students

Pre-professional students are those students who have declared one of the following as a major: Clinical Laboratory Science, Environmental Health, Health Administration, Health Information Management Respiratory Therapy, or Pre-pharmacy.

These students are enrolled in the classes for the respective curricula, having met all requirements for admission to the university. Additionally, these students shall earn a minimum grade of “C” or better and maintain an overall GPA of 2.0.

1. They shall have successfully completed the prescribed lower division work, met all Texas Success Initiative (TSI) requirements, and completed any applicable entrance examinations.
2. They shall submit an application for admission and be accepted for admission by the Admissions and Academic Standards Committee.
3. They shall have at least the required pre-requisite credit hours for admission to the programs.

## **B. Professional Phase Health Sciences Students**

### Professional Phase Health Science Students

1. They shall have successfully completed the first-year professional courses.
2. They shall have, at least, the required credit hours.

### **CLASS ATTENDANCE**

Mandatory class attendance is the official policy of the College of Pharmacy and Health Sciences and applies to all students enrolled in courses offered through the college. Students are required by university policy to attend classes and he or she has the responsibility for performance of the work of the course, including the taking of examinations at the time they are administered to the entire class. A student shall complete all classroom assignments even though he or she might not have been in class when the assignment was made. Instructors are not obligated to give any “make-up work.” Students missing tests or assignments due to absence from class are a cause for failure in that course.

Unavoidable absences because of illness or other emergencies do not relieve the student of any academic responsibilities. The student shall make arrangements with his/her instructor to obtain any classroom materials or information that was missed. Specific attendance policies may be included in the course syllabus.

## **COMPREHENSIVE EXAMINATIONS**

Pharmacy Students will be required to take formative and summative examinations at various phases during the curriculum.

During the fourth professional year of study, students must successfully complete a comprehensive examination where the score is validated by the Faculty. Graduation must occur within one year of successful completion of the Comprehensive Examination, or the Comprehensive Examination must be successfully repeated. In addition, a score of at least 75% in Texas Jurisprudence is required in order to be approved for graduation.

### **Environmental Health**

Students shall pass a comprehensive examination prior to graduation with a score of 75%. The examination is administered during the senior year after candidates for graduation have initiated the graduation application process. Persons with prior certification in an environmental health profession or who have pursued certification examinations during the course of their studies from internationally acknowledged organizations, such as the National Environmental Health Association (NEHA), may be exempt from this requirement based upon positive outcomes. Students who do not successfully complete the comprehensive examination after the maximum number of attempts and any required remediation will be dismissed from the program.

### **Health Administration**

A comprehensive examination is required of all students to complete this program. They shall pass this examination, which is given during their senior year, and they shall have the approval of the Program Director before attempting the examination.

### **Health Information Management**

A comprehensive examination is required of all students to complete this program. They shall pass this examination, which is given during their senior year, with a score of 75% or better; and they shall have the approval of the Program Director before attempting the examination. Once the examination is completed, students are individually issued a Certificate of Completion in Health Information Management; and they may petition to take the American Health Information Management Association Board Examination. Students who do not successfully complete the comprehensive examination after the maximum number of attempts and any required remediation will be dismissed from the program.

### **Clinical Laboratory Science**

All students in this program are required to pass a comprehensive examination during their senior year with a score of 75% or better prior to graduation. Students approved for graduation may also petition to take a national examination administered by The American Society of Clinical Pathology Board of Registry and The National Certification Agency for Medical Laboratory Personnel. Students failing the comprehensive examination will be required to complete remedial activities and/or course work prior to re-examination. In the case of failure, graduation shall occur within one year of successful completion of the examination, or all sections of the examination shall be repeated. Students will only be allowed to repeat the comprehensive examination twice. Students who do not successfully complete the comprehensive examination after the maximum number of attempts and any required remediation will be dismissed from the program.

### **Respiratory Therapy**

Two program comprehensive examinations are required of all students for receipt of the program's Special Certificate of Completion in Respiratory Therapy. The two parts consist of the Certified Respiratory Therapist (CRT) examination and the Registered Respiratory Therapist (RRT) examination. The certificate obligates the student to successfully attempt the professional board examinations as a requisite to graduation. Students shall be approved by the Program Director to attempt the comprehensive examinations. Successful completion of both comprehensive examinations qualifies students to take the professional National Board of Respiratory Care Entry board examination to become a Certified Respiratory Therapist (CRT) and Registered Respiratory Therapist (RRT). The CRT comprehensive examination shall be passed prior to attempting the RRT comprehensive examination. The passing score for both examinations is accord with national passing rates, which require a scaled score of 70. Students failing any part or parts of the program's comprehensive examinations will be required to enroll in documented recapitulative course work prior to re-examination. Students who do not successfully complete the comprehensive examination after the maximum number of attempts and any required remediation will be dismissed from the program.

## **SCHOLASTIC REPORTS AND PROBATION**

Temporary grades for students are reported at mid-semester. If students are doing unsatisfactory work at that time, they have full responsibility for their own improvement, and it is recommended that they confer with their assigned faculty advisors and with course instructors for advisement. Poor scholarship, non-attendance, questionable conduct, or lack of industry are reasons for placing a student on probation and for possible dismissal. If the probation is a result of poor scholarship, it is the responsibility of individual students to report at least once a month to their faculty advisors. Poor scholarship is interpreted to mean failure to earn at least twice as many quality or grade points as semester credit hours attempted during any semester.

## **ACADEMIC DISCIPLINE**

Academic discipline is primarily for corrective purposes and is aimed at the development of responsible student conduct. The University has the right and the duty to protect its educational purpose through setting and maintaining standards and regulations considered essential to its purpose. Such standards encompass both dress and behavioral patterns. Guidelines for proper professional conduct include honesty and personal integrity; respect for human rights, dignity, and well being; proper language; neatness in personal appearance; courtesy; and cooperation. Disciplinary regulations and procedures are described in the Student Academic Handbook. It should be kept in mind that suspension and expulsion are among the penalties for grave breaches of discipline. A copy of the Student Academic Handbook for the College of Pharmacy and Health Sciences is available on the College website, in the Office of the Dean, in the Office of the Assistant Dean for Student Services, and in the Health Sciences Department Office.

## **PROFESSIONAL FEES**

**PHARMACY AND HEALTH SCIENCES FEE.** In addition to standard tuition and fees, students shall pay professional fees associated with required exams or courses to attain professional certifications and supplemental resources.

**PROFESSIONAL STUDENT LIABILITY INSURANCE.** All students who are enrolled in practice experiences in pharmacy or health sciences programs are required to purchase liability insurance. The insurance is mandatory and serves to protect the student and the College of Pharmacy and Health Sciences, and is a condition for affiliation with other participating institutions.

**HEALTH INSURANCE.** Health insurance that covers inpatient and outpatient services is a requirement of all students participating in practice experiences and is a condition of the affiliation agreements with host institutions.

**BACKGROUND CHECK.** A background check is required of students participating in practice experiences. Students are referred to an on-line third party vendor, as appropriate, to request the background check and are responsible for any associated costs and paperwork.

## **SPECIAL REQUIREMENTS FOR PHARMACY AND HEALTH SCIENCES STUDENTS PARTICIPATING IN PRACTICE EXPERIENCES**

Students in the College who are enrolled in professional practice experiences will be required to present proof of the following:

1. Current record of required immunizations, including Meningitis, MMR (Measles, Mumps, Rubella), Hepatitis B (series I, II, III), Diphtheria/Tetanus, Tuberculin skin test (annual) and other emerging immunization requirements. Any student who has a positive PPD must provide copy of a recent chest x-ray, and Varicella compliance. Students must provide dates of Varicella vaccination or a positive antibody titer. These requirements are subject to change depending upon requests from affiliates.
2. Cardiopulmonary Resuscitation (CPR) Training
3. Health Insurance Portability and Accountability Act (HIPA) Training
4. Occupational Exposure to Blood Borne Pathogens Training

Additionally, students admitted to the Professional Pharmacy Program will be required to present proof of having the appropriate immunizations prior to being seated in the incoming first professional year class.

The students must meet all other specific requirements of affiliated health care facilities.

## **SPECIAL REGULATIONS IN THE COLLEGE OF PHARMACY AND HEALTH SCIENCES**

The Dean's Office is the executive office of the Faculty. It is the Dean's duty, under the direction of the Provost/ Vice-President for Academic Affairs/Research and President, to enforce the rules of the Faculty, the rules of the Board of Regents, and to administer discipline in the case of violations.

**Students must repeat any course in the Pharmacy or Health Sciences curricula in which a grade below 'C' (including 'C-') has been earned. Grades of 'C-' or less may not be used to fulfill the major requirements for graduation.**

## **RIGHT TO MODIFY**

The information contained in this bulletin is considered to be descriptive in nature and not contractual. The University reserves the right to change any policy, requirement, or fee at any time during the time that students are enrolled. Courses are also subject to change.

## DESCRIPTION OF DEPARTMENTS IN THE COLLEGE

The three departments housed in the College of Pharmacy and Health Sciences are described in detail on the pages that follow. They are described in the following order: (1) Department of Pharmaceutical and Environmental Sciences, (2) Department of Pharmacy Administration and Administrative Health Sciences, and (3) Department of Pharmacy Practice and Clinical Health Sciences.

### PHARMACEUTICAL AND ENVIRONMENTAL HEALTH SCIENCES

The Department of Pharmaceutical and Environmental Health Sciences, along with the Department of Pharmacy Practice and Clinical Health Sciences, offers courses leading to **the Doctor of Pharmacy Degree**. The Doctor of Pharmacy (Pharm.D.) is a six-year program requiring a minimum of two years of study at the pre-professional (pre-pharmacy) level and four years of study at the professional level. Courses offered through this department include the following disciplines: biochemistry in human diseases, pharmaceuticals, pharmacokinetics, and integrated courses including pharmaceutical/medicinal chemistry, pathophysiology, and pharmacology.

The Department of Pharmaceutical and Environmental Health Sciences offers a B.S. in Environmental Health. The **Environmental Health Program** provides graduates with the technical and administrative skills to function in industry, governmental agencies, consulting firms, and academia. Graduates are qualified to enter the workforce in air and water quality control, solid and hazardous waste management, occupational health and industrial hygiene, environmental toxicology and risk assessment, epidemiology, and disease surveillance.

Students should refer to program admission policies, comprehensive examination information, and other important information regarding the B.S. degree offered through this department within the College of Pharmacy and Health Sciences introductory section of this document.

The Department of Pharmaceutical and Environmental Health Sciences also offers courses leading to the Doctor of Philosophy (Ph.D.) degree and a contingent or default Master of Science (M.S.) degree in Pharmaceutical and Environmental Health Sciences. Students who are interested in pursuing a graduate degree in Pharmaceutical and Environmental Health Sciences should consult the Graduate School Bulletin of Texas Southern University for further information or visit the website ([www.tsu.edu](http://www.tsu.edu)).

Members of the faculty in the Department of Pharmaceutical and Environmental Health Sciences are housed in Gray Hall with the Department Office located in Gray Hall Room 124. The Department supports the primary mission of the College of Pharmacy and Health Sciences to produce quality health care professionals, particularly minorities who are competent in health care delivery including the provision of patient-centered care and other health care services and programs.

Since the Department offers courses leading to the entry-level Pharm.D. with the Department of Pharmacy Practice and Clinical Health Sciences (described in the next section), interested students should refer to the end of the next section for a summary of requirements for the entry-level Pharm.D. degree and the sequence in which required courses should be taken. Courses offered through the Department of Pharmaceutical and Environmental Health Sciences are described below.

Students should refer to admission policies, formative, summative, comprehensive and other examination and important information regarding the completion of the entry-level Pharm.D. under the College of Pharmacy and Health Sciences Overview section of this document.

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Akpaffiong, Macaulay J.</b>  <b>Professor</b>  <b>Pharmacology</b>                      B.S., Texas Southern University                      M.Sc., Ph.D., University of Bath                      Pharm.D., University of Southern California</p>	<p><b>Bell, Edward C.</b>  <b>Associate Professor</b>  <b>Pharmaceutics</b>                      B.S., Tougaloo College                      Ph.D., Auburn University</p>
<p><b>Chelliah, Selvam</b>  <b>Assistant Professor</b>  <b>Pharmaceutical Chemistry</b>                      B. Pharm., The Tamilnadu MGR Medical University                      M.S., Ph.D., National Institute of Pharmaceutical Education and Research</p>	<p><b>Dupre, Brian</b>  <b>Visiting Assistant Professor</b>                      B.S., University of Texas at Austin                      Ph.D., University of Texas at Austin</p>
<p><b>Enigbokan, Mofolorunso A.</b>  <b>Associate Professor</b>  <b>Pharmacology</b>                      B.S., M.S., Texas Southern University                      Ph.D., Howard University</p>	<p><b>Eugere, Edward J.</b>  <b>Professor</b>  <b>Pharmacology</b>                      B.S., Xavier University                      M.S., Wayne State University                      Ph.D., University of Connecticut</p>
<p><b>Felder, Tyrone B.</b>  <b>Associate Professor</b>  <b>Pharmaceutics</b>                      B.S., Florida A &amp; M University                      Ph.D., University of Kentucky</p>	<p><b>Gao, Song</b>  <b>Assistant Professor</b>  <b>Pharmaceutics</b>                      B.S., Shandong University, China                      Ph.D., Peking Union Medical College</p>
<p><b>Hayes, Barbara E.</b>  <b>Professor Emeritus</b>  <b>Pharmacology</b>                      B.S., Texas Southern University                      M.S., Purdue University                      Ph.D., University of Houston</p>	<p><b>Hickman, Eugene</b>  <b>Sr. Professor (Retired)</b>  <b>Pharmaceutics</b>                      B.S., Texas Southern University                      M.S., University of Texas at Austin                      Ph.D., University of Iowa</p>
<p><b>Liang, Dong</b>  <b>Professor</b>  <b>Pharmaceutics</b>                      B.S., M.S., Zhejiang Medical University                      Ph.D., University of Houston</p>	<p><b>Mazique, Judith B.</b>  <b>Assistant Professor</b>  <b>Environmental Health</b>                      B.S., Howard University                      M.P.H., The University of Texas at Houston                      J.D South Texas College of Law</p>
<p><b>Milton, Shirlette Glover</b>  <b>Professor</b>  <b>Pharmaceutical Chemistry</b>                      B.S., Texas Southern University                      M.S., University of Texas at Austin                      Ph.D., University of Texas Health Science Center at Houston</p>	<p><b>Njie-Mbye, Ya Fatou</b>  <b>Assistant Professor</b>  <b>Pharmacology &amp; Toxicology</b>                      B.S., Kentucky State University                      M.S., University of Louisville                      Ph.D., University of Louisville</p>
<p><b>Olaleye, Omonike</b>  <b>Professor</b>  <b>Pharmacology</b>                      B.S., University of St. Thomas                      Ph.D., Johns Hopkins University</p>	<p><b>Ohia, Sunny E.</b>  <b>Professor</b>  <b>Pharmacology</b>                      B.S., M.S., University of Ibadan                      Ph.D., University of Glasgow</p>



<p><b>Oyekan, Adebayo O.</b>  <b>Professor</b>  <b>Pharmacology</b>  D.V.M., University of Nigeria  Ph.D., University of London</p>	<p><b>Ranganna, Kasturi Associate</b>  <b>Professor</b>  <b>Pharmaceutical Chemistry</b>  B.S., M.S., Bangalore University  Ph.D., Indian Institute of Sciences</p>
<p><b>Shivachar, Amruthesh</b>  <b>Associate Professor</b>  <b>Pharmaceutical Chemistry</b>  B.Sc., Sarada Vilas Science College  M.Sc., Ph.D., University of Mysore</p>	<p><b>Thomas, Renard</b>  <b>Professor</b>  <b>Environmental Health</b>  B.S., University of Houston  M.S., Ph.D., Texas Southern University</p>
<p><b>Wells, Patrick</b>  <b>Dean Emeritus</b>  B.S., Texas Southern University  M.S., Ph.D., University of Nebraska at Lincoln</p>	<p><b>Xie, Huan</b>  <b>Professor</b>  <b>Pharmaceutics</b>  B.S., Fudan University  Ph.D., North Carolina State University</p>
<p><b>Yousefipour, Zivar</b>  <b>Professor</b>  <b>Environmental Health</b>  B.S., M.S., University of Houston  Ph.D., Texas Southern University</p>	<p><b>Zhang, Yun</b>  <b>Assistant Professor</b>  <b>Pharmacology</b>  B.S., Zhejiang University  Ph.D., Columbia University</p>
<p><b>Zikarge, Astatkie</b>  <b>Assistant Professor</b>  <b>Environmental Health</b>  B.S., M.S., East Tennessee State University  M.P.H., The University of Texas School of Public Health  M.D., St. George's University School of Medicine</p>	





<b>PHAR 414</b>	<b>Pharmaceutics II – Laboratory</b> Continuation of PHAR 413. Dosage form preparations and compounding techniques used for dispersed systems, semi-solids, suppositories, and solid dosages. Sterile admixture techniques including stability and sterility testing and dating, clean room requirements, and infusion devices will also be covered. Prerequisites: PHAR 433 and PHAR 413. Co-requisite: Successful completion of or concurrent enrollment in PHAR 434.	<b>(1)</b>
<b>PHCH 410</b>	<b>Introduction to Medicinal Chemistry</b> Introduction to Medicinal Chemistry Principles. Topics include structure activity relationships, drug metabolism and principles of drug discovery. Prerequisite: First professional year standing in the professional pharmacy program	<b>(1)</b>
<b>PHCH 441</b>	<b>Biochemistry in Human Disease</b> Chemistry of biomacromolecules (e.g., proteins, lipids, carbohydrates, and DNA). Enzymology, metabolic pathways to energy utilization, nucleic acid metabolism, and recombinant DNA technology. Prerequisite: First professional year standing in the professional pharmacy program.	<b>(4)</b>
<b>PHAR 539</b>	<b>Pharmaceutics III - Pharmacokinetics</b> Basic principles of in vivo drug kinetics (linear and nonlinear), principles of bioavailability/bioequivalence, and factors that affect bioavailability of a drug such as physio-chemical properties, dosage formulations, and physiological factors. Prerequisites: PHAR 434, PHAR 414, and completion of all 400-level courses in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 519.	<b>(3)</b>
<b>PHAR 519</b>	<b>Pharmaceutics III – Recitation</b> Examples and problems utilizing pharmacokinetic principles as applied to drug therapy. Prerequisites: PHAR 434, PHAR 414, and completion of all 400-level courses in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 539.	<b>(1)</b>
<b>Phar 530</b>	<b>Principles of Drug Action I</b> An integrated course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts essential to understanding the basis of drug use in diseases of the nervous and renal systems. Core concepts include mechanism of drug action and the chemical basis of pharmacology. Prerequisite: Completion of all 400 level courses in the professional pharmacy program	<b>(3)</b>
<b>PHAR 538</b>	<b>Principles of Drug Action III</b> Continuation of PHAR 439. Interdisciplinary course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts essential to understanding the basis of drug use in diseases of the eye, ear, nose, and throat, integumentary system, and endocrine system. Prerequisites: PHAR 439, PHAR 419, and completion of all 400-level courses in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 518.	<b>(3)</b>
<b>PHAR 518</b>	<b>Principles of Drug Action III – Laboratory/Recitation</b> Demonstrations, case studies, recitation, presentations, and small group discussions to accompany PHAR 538. Prerequisites: PHAR 439, PHAR 419, and completion of all 400-level courses in the professional pharmacy program. Co-requisite: Successful completion of or concurrent enrollment in PHAR 538.	<b>(1)</b>
<b>Phar 541</b>	<b>Principles of Drug Action II</b> An integrated course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts to understanding the basis of drug use in diseases of the cardiovascular and endocrine systems. Core concepts include mechanism of drug action and the chemical basis of pharmacology. Prerequisite/Co-Requisite: Completion of all 400 level courses and Fall semester P2 professional pharmacy courses.	<b>(4)</b>

- PHAR 601**                      **Special Problems**                      **(0-8)**  
 Methods in pharmaceutical sciences and clinical research; application of hypothesis formulation, literature evaluation, experimental design, clinical skills, data acquisition/analysis, and formal presentations. Variable number of hours of lecture per week. Students may enroll in up to a total of 8 semester credit hours of Special Problems while in the professional pharmacy program. Prerequisite: Special permission by the Department.
- Phar 648**                      **Principles of Drug Action III**                      **(4)**  
 An integrated course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts to understand the basis of drug use in infectious diseases, immune/respiratory systems disorders. Core concepts include mechanism of drug action and the chemical basis of pharmacology. Completion of all 500 level courses
- Phar 649**                      **Principles of Drug Action IV**                      **(2)**  
 An integrated course incorporating pathophysiology, pharmacology, and pharmaceutical/medicinal chemistry concepts to understand the basis of drug use in infectious diseases, immune/respiratory systems disorders. Core concepts include mechanism of drug action and the chemical basis of pharmacology. Prerequisite/Corequisite: Completion of all 500 level courses and fall P3 professional pharmacy courses

**For degree plan and curriculum, please see the Department of Pharmacy Practice.**

## ENVIRONMENTAL HEALTH COURSES

- HSEH 232**                    **Introduction to Environmental Health**                    **(3)**  
Survey of topics in population and resource management, fundamentals of air and water pollution, solid and hazardous wastes, pest and vector control, and radiation protection. Open to majors and non-majors. Three lecture hours per week. Prerequisite: Consent of faculty.
- HSEH 233**                    **Epidemiology and Biostatistics**                    **(4)**  
Principles of distribution and determinants of diseases in human populations including statistical methods and computer applications in data collection and analysis. Four hours of lecture per week. Prerequisite: HSEH 232 or Consent of faculty.
- HSEH 234**                    **Health Physics**                    **(3)**  
Fundamentals of ionizing and non-ionizing radiation with respect to source, exposure dose, biological interaction, methods of surveillance, and protection. Three hours of lecture per week. Prerequisite: HSEH 232 or Consent of faculty.
- HSEH 235**                    **Human Ecology**                    **(3)**  
Principles of environmental physiology; medical geography and sociology; international and travel health; adaptation mechanisms to extremes of temperature, pressure, altitude, and microgravity; and circadian rhythms. Three hours of lecture per week. Prerequisite: HSEH 232 or Consent of faculty.
- HSEH 334**                    **Public Health Organization and Administration**                    **(3)**  
Principles of organization and administration of environmental health programs by governmental agencies including disease surveillance and health data management, environmental policy and ethics, and health education. Three hours of lecture per week. Prerequisite: HSEH 232 or Consent of faculty.
- HSEH 337**                    **Environmental Microbiology**                    **(4)**  
Survey of microorganisms of ecological, medical, and industrial importance with respect to nutrient recycling, food spoilage, infectious diseases, and biotechnology. Two hours of lecture and four hours of laboratory per week. Prerequisites: HSEH 233 and HSEH 344 or Consent of faculty.
- HSEH 338**                    **Water Pollution and Control**                    **(3)**  
Survey of chemical, physical, and biological pollutants affecting water quality for drinking and other designated end uses. Pollution monitoring and control strategies also discussed. Three hours of lecture per week. Prerequisite: HSEH 337 or Consent of faculty.
- HSEH 339**                    **Air Pollution and Control**                    **(3)**  
Survey of ambient and indoor air quality changes due to toxic emissions. Atmospheric chemistry and meteorology, standard air pollution indicators, global climate changes, and control strategies discussed. Three hours of lecture per week. Prerequisite: HSEH 232 or Consent of faculty.
- HSEH 344**                    **Environmental Chemistry**                    **(4)**  
Comprehensive survey of behavior and fate of chemical pollutants in atmosphere, hydrosphere, geosphere, and biosphere including standard methods of chemical analysis of environmental media. Three hours of lecture and one hour of laboratory per week. Prerequisite: HSEH 232 or Consent of faculty.
- HSEH 425**                    **Insect and Vector Control**                    **(3)**  
Comprehensive survey of agricultural and urban pests, disease transmitting vectors and their habitat, principles of entomology, parasitology and zoonoses, integrated vector control, and pest management. Three hours of lecture per week. Prerequisite: HSEH 232 or Consent of faculty.

- HSEH 431**                      **Solid Waste Management**                      **(3)**  
Municipal solid waste problems and solutions: generation, storage, collection, transport, processing, and disposal. Three hours of lecture per week. Prerequisite: HSEH 337 or Consent of faculty.
- HSEH 432**                      **Hazardous Waste Management**                      **(3)**  
Industrial, medical, and household hazardous waste problems and solutions: generation, characterization, transport, storage, treatment, and disposal. Minimization, exchange, recovery, incineration, and secure landfills discussed. Three hours of lecture per week. Prerequisites: HSEH 232 and HSEH 337 or Consent of faculty.
- HSEH 433**                      **Institutional Health and Safety**                      **(3)**  
Study of safety hazards, building permits and codes of residential, school, hospital, day-care, and penal institutions. Sick building syndrome, emergency planning, and accommodation of disabled persons discussed. Three hours of lecture per week. Prerequisite: HSEH 235 or Consent of faculty.
- HSEH 434**                      **Sewage Treatment and Disposal**                      **(3)**  
Industrial, agricultural, and municipal wastewater collection, transport, treatment, and disposal. Design and operation of sewage treatment plants, on-site and waterless systems, and sludge management discussed. Three hours of lecture per week. Prerequisite: HSEH 344 or Consent of faculty.
- HSEH 435**                      **Environmental Health Problems**                      **(3)**  
Global environmental issues: famine and starvation, environmental refugees, environmental justice and equity, hazardous waste sites, housing and urban blight, crime and substance abuse. Three hours of lecture per week. Prerequisites: HSEH 232 and HSEH 233 or Consent of faculty.
- HSEH 442**                      **Occupational Safety and Health**                      **(3)**  
Hazard and root cause analysis, occupational injuries and control of workplace hazard exposures. Fundamentals of regulations of OSHA, workers compensation, occupational disease surveillance, hazard communication, and accident investigation discussed. Three hours of lecture per week. Prerequisites: HSEH 232 or Consent of faculty.
- HSEH 450**                      **Environmental Toxicology**                      **(3)**  
Comprehensive survey of principles of toxicodynamics and toxicokinetics; xenobiotic dispersal and ecosystem response; exposure pathways and target organs; mechanisms of toxicity; toxicity testing for mutagenesis, carcinogenesis, and teratogenesis. Three hours of lecture per week. Prerequisite: HSEH 344 or Consent of faculty.
- HSEH 451**                      **Environmental Impact Assessment**                      **(3)**  
Consideration of environmental impacts and risks of legislative proposals, policies, programs, and projects following NEPA regulations: qualitative/quantitative risks, identification, characterization, exposure assessment, dose-response determination, interpretation, communication, and management. Three hours of lecture per week. Prerequisite: HSEH 232 or Consent of faculty.
- HSEH 460**                      **Internship**                      **(6)**  
Field practicum in industry, governmental agencies, consulting firms, and academic research facilities providing observation and participation in the practice of environmental health programs. Twenty-two hours of laboratory (practicum) per week. Prerequisite: Consent of faculty.

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE  
IN ENVIRONMENTAL HEALTH  
TOTAL CREDITS REQUIRED: 129**

CORE CURRICULUM (STANDARD)*		MAJOR (ENVIRONMENTAL HEALTH)	OTHER REQUIREM ENTS	MINOR REQUIREM ENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		60 credits	27 credits	0 credit s
<b>Communication:</b>		HSEH 232 (3)	BIOL 111 (1)	
ENG 131 (3) **	ENGL 1301	HSEH 233 (4)	BIOL 112 (1)	
ENG 132 (3)	ENGL 1302	HSEH 234 (3)	BIOL 131 (3)	
<b>Mathematics:</b>		HSEH 235 (3)	BIOL 132 (3)	
MATH 133 (3)	MATH 1314	HSEH 334 (3)	CHEM 211 (1)	
<b>Life and physical sciences:</b>		HSEH 337 (4)	CHEM 231 (3)	
CHEM 131 (3)	CHEM 1311	HSEH 338 (3)	HSCR 150 (3)	
CHEM 132 (3)	CHEM 1312	HSEH 339 (3)	HSCR 260 (3)	
<b>Language, philosophy, and culture:</b>		HSEH 344 (4)	HSCR 360 (3)	
ENG 2xx (3) ***		HSEH 425 (3)	PHYS 101 or PHYS 237/lab (3)	
<b>Creative arts:</b>		HSEH 431 (3)	CHEM 111 (1)	
Visual & Performing Arts (3)****		HSEH 432 (3)	CHEM 112 (1)	
<b>American history:</b>		HSEH 433 (3)	FS 102 (1)	
HIST 231 (3)	HIST 1301	HSEH 434 (3)		
HIST 232 (3)	HIST 1302	HSEH 435 (3)		
<b>Government/political science:</b>		HSEH 442 (3)		
POLS 235 (3)	GOVT 2305	<b>HSEH 450 (3)</b>		
POLS 236 (3)	GOVT 2306	HSEH 451 (3)		
<b>Social and behavioral sciences:</b>		HSEH 460 (3)		
Social & Behavioral Sciences (3)*****				
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* Select from the following courses: THEA 130, MUSI 136, MUSI 239, ART 135, or ART 137 (TCCN: DRAM 1310, MUSI 1306, HUMA 1315, HUMA 2323, ARTS 1301).

\*\*\*\*\*Select from the following courses: PSY 131, ECON 231, ECON 232, SOC 157, SOC 158, SOC 221 and SOC 238.



**BACHELOR OF SCIENCE DEGREE IN ENVIRONMENTAL HEALTH  
DEGREE PLAN – TOTAL CREDITS: 129**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	Visual & Performing Arts *	3	SOC 157 Sociology / PSY 131 Gen Psychology	3
	CHEM 111 General Chemistry I Lab	1	CHEM 132 General Chemistry II Lec	3
	CHEM 131 General Chemistry I Lec	3	CHEM 112 General Chemistry II Lab	1
	MATH 133 College Algebra	3	BIOL 132 Biological Science II Lec	3
	BIOL 131 Biological Science I Lec	3	BIOL 112 Biological Science II Lab	1
	BIOL 111 Biological Science I Lab	1	CS 116 Computer Introduction	3
	FS 102 Freshman Seminar	1		
	<b>18 Hrs</b>		<b>17 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230-244 English Literature	3	POLS 236 American Political Systems II	3
	POLS 235 American Political Systems I	3	SC 135 or SC 136 Speech Communication	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States to 1877	3
	CHEM 211 Organic Chemistry I Lab	1	HSCR 150 Concepts of Health	3
	CHEM 231 Organic Chemistry I Lec	3	HSEH 232 Intro to Environmental Health	3
	PHYS 101 Prin of Phys Sci OR PHYS 237 College Phys I	3	HSCR 260 Biomedical Ethics	3
	<b>16 Hrs</b>		<b>18 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HSEH 233 Epidemiology and Biostatistics	4	HSEH 337 Environmental Microbiology	4
	HSEH 338 Water Pollution and Control	3	HSEH 434 Sewage Treatment and Disposal	3
	HSEH 235 Human Ecology	3	HSEH 450 Environmental Toxicology	3
	HSCR 360 Principle of Disease	3	HSEH 442 Occupational Health and Safety	3
	HSEH 334 Public Health Org And Admin	3	HSEH 435 Environmental Health Problems	3
	<b>16 Hrs</b>		<b>16 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	HSEH 234 Health Physics	3	HSEH 460 Internship	3
	HSEH 432 Hazardous Waste Management	3	HSEH 339 Air Pollution and Control	3
	HSEH 425 Insect and Vector	3	HSEH 451 Environmental Impact and Safety	3
	HSEH 433 Institutional Health and Safety	3	HSEH 431 Solid Waste Management	3
	HSEH 344 Environmental Chemistry	4		
	<b>16 Hrs</b>		<b>12 Hrs</b>	

\* Visual and Performing Arts: THEA 130, MUSI 136, MUSI 239, ART 135, or ART 137 (TCCN: DRAM 1310, MUSI 1306, HUMA 1315, HUMA 2323, ARTS 1301).

\*\* Internship Practicum is offered in the regular semester as well as for students concurrently registered for structured classes during the semester.

## DEPARTMENT OF PHARMACY ADMINISTRATION AND ADMINISTRATIVE HEALTH SCIENCES

The Department of Pharmacy Administration and Administrative Health Sciences offers two baccalaureate or undergraduate degrees: **the Bachelor of Science (B.S.) in Health Administration and the B.S. in Health Information Management**. Each degree program has a Program Director, and courses specific to each program are offered through the Department under the following designations: HSEH (Environmental Health), HSHA (Health Administration), HSHI (Health Information Management), CLSC (Clinical Laboratory Science), and HSRT (Respiratory Therapy). Student majors within the Health Sciences are required to complete three to six HSCR (Health Sciences Core) courses, which are also offered through the Department.

The **Health Administration Program** provides market ready graduates with the competencies and skills to be effective administrators and managers in health delivery systems. Graduates are prepared to function effectively in response to trends, issues, and challenges affecting both health care systems and the health and welfare of the population.

The **Health Information Management Program** provides graduates with the technical and administrative skills to manage health information systems consistent with professional standards (medical, administrative, ethical, and legal) in health care delivery systems. Graduates also possess the knowledge and skills needed to plan and develop health information systems which meet standards of accrediting and regulating agencies.

Courses offered through the Department, curricular summaries for the various degrees, and the sequences in which program-specific courses and their primary prerequisite and co-requisite courses should be taken are indicated below.

**Students should refer to program admission policies, comprehensive examination information, and other important information regarding the various B.S. degrees offered through this department within the College of Pharmacy and Health Sciences introductory section of this document.**

The Department of Pharmacy Administration and Administrative Health Sciences also offers Master of Science (M.S.) degree in Health Care Administration. Students who are interested in pursuing a graduate degree in Health Care Administration should consult the Graduate School Bulletin of Texas Southern University for further information or visit the website ([www.tsu.edu](http://www.tsu.edu)).

<p><b>Capers, Willie</b>  <b>Assistant Professor</b>  <b>Pharmacy Administration and Health Administration</b>  Pharm.D., Texas Southern University  M.B.A., Arkansas State University</p>	<p><b>Estill, Sonnice</b>  <b>Assistant Professor</b>  <b>Health Administration</b>  M.B.A., Prairie View A&amp;M University  Dr.H.A., University of Phoenix  B.B.A., Lamar University</p>
<p><b>Hawkins, Fanny</b>  <b>Clinical Assistant Professor</b>  <b>Health Information Management</b>  B.S., University of Southwestern Louisiana  M.P.A., Ed.D., Texas Southern University</p>	<p><b>James, Andrew B.</b>  <b>Visiting Professor</b>  <b>Health Administration</b>  Dr. P.H., The University of Texas Health Science Center at Houston  J.D., Texas Southern University  L.L.M., University of Houston</p>
<p><b>Lawson, Melanie W.</b>  <b>Associate Professor</b>  <b>Health Administration</b>  M.P.H., The University of Texas Health Science Center at Houston  Ph.D., University of Houston</p>	<p><b>Mathur, Sondip K.</b>  <b>Associate Professor</b>  <b>Pharmacy Administration and Health Administration</b>  B.A., Delhi University  M.A., Cleveland State University  Ph.D., Texas A&amp;M University</p>
<p><b>Morris Moultry, Aisha</b>  <b>Associate Professor</b>  <b>Pharmacy Practice and Pharmacy Administration</b>  M.S., Ohio State University  Pharm.D., Texas Southern University</p>	<p><b>Pounds, Kimberly</b>  <b>Assistant Professor</b>  <b>Pharmacy Administration and Health Administration</b>  B.S., Dillard University  M.P.H., Tulane School of Public Health  Dr.P.H., University of Texas Health Science Center at Houston School of Public Health</p>
<p><b>Rasmus, Monica L.</b>  <b>Assistant Professor</b>  <b>Health Administration</b>  B.S., Baylor University  M.Ed, University of Houston  M.B.A., Texas Woman's University  M.P.H., Dr.P.H., The University of Texas Health Science Center at Houston School of Public Health</p>	<p><b>Shelton, Andrea</b>  <b>Professor</b>  <b>Health Administration</b>  B.A., Howard University  M.A., University of South Florida  Ph.D., University of Pittsburgh</p>
<p><b>Singleton, Leslie</b>  <b>Assistant Professor</b>  <b>Pharmacy Administration and Health Administration</b>  Ed.D., Texas Tech University  M.B.A., Prairie View A&amp;M University  B.B.A., University of Houston</p>	<p><b>Jones, Webb</b>  <b>Visiting Assistant Professor</b>  <b>Pharmacy Practice</b>  B.S., Florida A&amp;M University  J.D., Texas Southern University  M.P.H., University of Texas School of Public Health</p>

## HEALTH ADMINISTRATION COURSES

<b>HSHA 233</b>	<b>History and Sociology of Healthcare</b> An investigation of the historical aspects of health and healthcare via standards and cultures. (Fall course)	<b>(3)</b>
<b>HSHA 234</b>	<b>Healthcare Issues and Professionalism</b> Course examines medical terminology, professional behavior, and expected skills for communication and problem solving in culturally diverse organizations and situations, with emphasis given to demonstrating learned skills. Professional development in healthcare industry is also covered. (Spring course)	<b>(3)</b>
<b>HSHA 330</b>	<b>Introduction to Healthcare Administration &amp; Management</b> An introduction to the application of managerial concepts and practices in healthcare organizations, including the basic functions of management and skills of managers. Course explores organizational structure, governance, diversity, and managing performance of different types of health care organizations, especially in urban settings. (Fall course) Prerequisites/Co-requisites: HSHA 233, MATH 133 and/or 135	<b>(3)</b>
<b>HSHA 331</b>	<b>Health Information Systems</b> Overview of the methods and application for collecting and managing health data. Examines the critical role of information technologies, systems, and applications in healthcare management. (Fall course) Prerequisites/Co-requisites: HSHA 233, MATH 133 and/or 135	<b>(3)</b>
<b>HSHA 332</b>	<b>Introduction to Community and Population Health</b> Examines issues concerning the public and population health discipline, with emphasis on: determinants of health and disease, epidemiology, and vital statistics. Students engage in team-based collaboration to solve health and health disparity issues. (Fall course) Prerequisites/Co-requisites: HSHA 233, MATH 133 and/or 135	<b>(3)</b>
<b>HSHA 333</b>	<b>Healthcare Finance &amp; Economics I</b> Introduction to financial concepts unique to health care and its influencing factors. Analysis and application of various finance and economic concepts such as: budgetary, financial management, and cost accounting to demonstrate management and decision making under cost constraints often seen in competitive health care markets. (Fall course) Prerequisites/Co-requisites: HSHA 233, MATH 135 or 138, ACCT 231	<b>(3)</b>
<b>HSHA 334</b>	<b>Long Term Care</b> Introductory examination of health care management issues pertaining to rehabilitation and continuing care in nursing homes, geriatric wellness centers, and homes for the mentally impaired. (Fall course) Prerequisites/Co-requisites: HSHA 233, MATH 135, ACCT 231	<b>(3)</b>
<b>HSHA 335</b>	<b>Health Policy &amp; the U.S. Healthcare System</b> Course examines policy development at the federal, state and local levels, considering how the determinants of health influence the determinants of health policy, with emphasis on the roles of politics and economics in health care and health policymaking. Students demonstrate competencies to critique and modify policies according to stakeholders' interests. (Spring course) Prerequisites/Co-requisites: HSHA 234, 332	<b>(3)</b>
<b>HSHA 336</b>	<b>Research for Health Professionals</b> Study of the basic techniques and principles of research, descriptive studies, probability, and comparative data used in decision making for health facilities and program implementation. Final deliverable is research project. (Spring course) Prerequisites/Co-requisites: HSHA 234, 332	<b>(3)</b>
<b>HSHA 337</b>	<b>Introduction to Human Resource Management in Health Care</b> Introduction to the manager's role, management theories, and strategies in developing and sustaining a productive urban healthcare workforce in the context of diversity,	<b>(3)</b>

ethical decision making, and cost constraints. (Spring course) Prerequisites/Co-requisites: HSHA 234, 330

<b>HSHA 338</b>	<b>Healthcare Finance &amp; Economics II</b> Applying principles of finance management: allocating resources, budgeting, and economic trending, as well as applying the theories of economics to health care, examining the demand and production of health, and the relationship between wealth and health .(Spring course) Prerequisite: HSHA 333	<b>(3)</b>
<b>HSHA 339</b>	<b>Health Disparities</b> An examination of the crucial role of the determinants of health and disease and the correlation to disproportionately poor health outcomes in vulnerable populations. (Spring course) Prerequisite: HSHA 332	<b>(3)</b>
<b>HSHA 430</b>	<b>Healthcare Symposia &amp; Professional Development</b> Presentations by healthcare practitioners and researchers on professional preparedness and current issues in the healthcare industry. (Fall course) Prerequisites: HSHA 234, 330	<b>(3)</b>
<b>HSHA 431</b>	<b>Healthcare Management &amp; Leadership</b> Introduction to leadership theories, models, and skills of leaders. Promotes students' assessment, cultivation, and demonstration of their leadership style(s). (Fall course) Prerequisites: 330, 337	<b>(3)</b>
<b>HSHA 432</b>	<b>Introduction to Healthcare Organizations: Operations and Quality Control</b> Development of practical skills to assess healthcare operations: efficient administration of materials and labor, management of goods and services from origin to consumption, and the importance of quality control and improvement in systems and patient care. (Fall course) Prerequisites: HSHA 330, 333	<b>(3)</b>
<b>HSHA 433</b>	<b>Strategic Planning and Marketing for Health Care Organizations</b> Application of strategy methodology, discernment of stakeholders' roles in planning processes, and recognition of strategies used in obtaining market share, especially in urban settings. (Fall course) Prerequisites: HSHA 330, 333	<b>(3)</b>
<b>HSHA 434</b>	<b>Legal and Ethical Aspects of Health Care</b> Examination of issues in health care from ethical, sociological, and legal perspectives. Development of skills to discriminate and judge health care dilemmas and practices using the principles of ethics and health care laws. (Fall/Summer course) Prerequisites: HSHA 335	<b>(3)</b>
<b>HSHA 435</b>	<b>Introduction to Global Health</b> Examination and comparison of various health systems around the world by evaluating countries according to their healthcare systems, socioeconomic status, workforce, history, government, and the challenges and opportunities for promoting the health of their citizens. (Spring/Summer course) Prerequisites/Co-requisites: HSHA 332, 339	<b>(3)</b>
<b>HSHA 438</b>	<b>Health Administration Independent Study</b> Independent study in an area of specialization in health administration. Can be: Required, Prescribed Elective, or Free Elective. (Fall/Spring/Summer) Prerequisite: Enrollment approved by student's advisor and/or program director.	<b>(3)</b>
<b>HSHA 439</b>	<b>Health Administration Capstone &amp; Interprofessional Education</b> Course develops professional skills, attitudes, and competencies applied in inter-professional simulations, as well as fosters team-based analytical decision making in health administration case studies. This is a graduating semester course in which preparation and administration of the Comprehensive Exit Exam occurs. (Fall/Spring/Summer course) Prerequisite: Enrollment approved by student's advisor and/or program director.	<b>(3)</b>

**HSHA 461**

**Health Administration Internship**

**(6)**

Health Administration capstone course. Direct exposure of students to professional work experiences and responsibilities through workplace settings. Combination of lecture and sitework experience totaling 200 hours (Fall and Spring course). Prerequisites: Enrollment contingent upon enrollment in no more than two classes needed to complete degree requirements. Consent of Student's Advisor and Program Director.

**CURRICULUM SUMMARY FOR  
THE BACHELOR OF SCIENCE DEGREE IN HEALTH ADMINISTRATION**

**TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)* <sup>1</sup>		MAJOR* <sup>1</sup> (HEALTH ADMINISTRATION)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		66 credits	13 credits	0 credits
<b>Communication:</b>		HSHA 233 (3)	MATH 135 (3) <sup>*8</sup>	
ENG 131 (3) <sup>*2</sup>	ENGL 1301	HSHA 234 (3)	ACCT 231 (3) <sup>*9</sup>	
ENG 132 (3)	ENGL 1302	HSHA 330 (3)	FS 102 (1)	
<b>Mathematics:</b>		HSHA 331 (3)	Approved Elective (3) <sup>*10</sup>	
<b>Life and physical sciences:</b>		HSHA 333 (3)		
BIOL 135 (3) <sup>*3</sup>	BIOL 2401	HSHA 334 (3)		
BIOL 136 (3) <sup>*3</sup>	BIOL 2402	HSHA 335 (3)		
<b>Language, philosophy, and culture:</b>		HSHA 336 (3)		
ENG 2xx (3) <sup>*4</sup>		HSHA 337 (3)		
<b>Creative arts:</b>		HSHA 338 (3)		
CREATIVE ARTS (3) <sup>*5</sup>		HSHA 339 (3)		
<b>American history:</b>		HSHA 430 (3)		
HIST 231 (3)	HIST 1301	HSHA 431 (3)		
HIST 232 (3)	HIST 1302	HSHA 432 (3)		
POLS 235 (3)	GOVT 2305	HSHA 434 (3)		
POLS 236 (3)	GOVT 2306	HSHA 435 (3)		
<b>Social and behavioral sciences:</b>		HSHA 438 (3) <sup>*7</sup>		
SOC 157 (3) <sup>*6</sup>		HSHA 439 (3)		
<b>Institutional Options:</b>		HSHA 461 (6)		
SC 135 or SC 136 (3)	SPCH 1321 1315			
CS 116 (3)	COSC 1301			

\*<sup>1</sup> Students should seek advisement prior to registering for any course intended to be used as credit toward the degree.

\*<sup>2</sup> (N) represents the number of semester credit hours (SCH) /course credits.

\*<sup>3</sup> Students may choose two (2) courses of the same discipline from Biology, Chemistry or Physics.

\*<sup>4</sup> 200/2000 Level English Literature course.

\*<sup>6</sup> Students may choose any 3 SCH Creative Arts course: THEA 130, MUSI 136, MUSI 239, ART 135, or ART 137 (TCCN: DRAM 1310, MUSI 1306, RUMA 1315, RUMA 2323, ARTS 1301).

\*<sup>6</sup> PSY 131/PSYC 2301; GEOG 132/GEOG 1302; ECON 231, 232/ECON 2301, 2302; SOC 158, 221, 238/SOCI 1306, 2306.

\*<sup>7</sup> Independent Study is not a required course; student must be approved by program director or faculty.

\*<sup>8</sup> MATH 135 is equivalent to TCCNS MATH 1325 or MATH 138.

\*<sup>9</sup> TCCNS equivalent is ACCT 2301.

\*See Approved Course Substitutions on next page

FIN, ECON, GEOG, GEOL, HIST 281, MATH (Above MATH 133), Foreign Lang, Vis/Per Arts, and other pre-approved courses.

**BACHELOR OF SCIENCE DEGREE IN HEALTH ADMINISTRATION  
DEGREE PLAN – TOTAL CREDITS: 121**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	*BIOL 135 Human Anatomy & Physiology I	3	*BIOL 136 Human Anatomy & Physiology II	3
	MATH 133 College Algebra	3	*MATH 135 Mathematics for Business & Economic Analysis	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	CS 116 Introduction to Computer	3	CREATIVE ARTS	3
	SOC 157 Intro to Sociology or 3 Hours of Social/Behavioral Science	3	*SC 135 or 136 Speech Communication	3
	FS 102	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 230 or 2xx Level English Literature	3	ACCT 231 Principles of Accounting I	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	POLS 235 American Government	3	POLS 236 Texas Government	3
	HSHA 233 History and Sociology of Healthcare	3	HSHA 234 Healthcare Issues and Professionalism	3
	Approved Elective	3	Approved Elective	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	**HSHA 330 Introduction to Healthcare Administration & Management	3	HSHA 335 Health Policy & the U.S. Healthcare System	3
	HSHA 331 Health Information Systems	3	HSHA 336 Research for Health Professionals	3
	HSHA 332 Introduction to Community and Population Health	3	HSHA 337 Introduction to Human Resource Management in Health Care	3
	HSHA 333 Healthcare Finance & Economics I	3	HSHA 338 Healthcare Finance & Economics II	3
	HSHA 334 Long Term Care	3	HSHA 339 Health Disparities	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	HSHA 430 Healthcare Symposia & Professional Development	3	HSHA 432 Healthcare Organizations: Operations and Quality Control	3
	HSHA 431 Healthcare Management & Leadership	3	HSHA 433 Strategic Planning & Marketing for Health Care Organizations	3
	HSHA 461 Health Administration Internship	6	HSHA 434 Legal and Ethical Aspects of Health Care	3
	HSHA 438 Health Administration Independent Study (3)	3	HSHA 435 Introduction to Global Health	3
			HSHA 439 Health Administration Capstone & Interprofessional Education	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

\*See Approved Course Substitutions on next page



Progression Essentials: (see TSU Undergraduate Catalog, COPHS Student Handbook and Program Handbook)

For repeat courses, the last grade earned is used to determine GPA and graduation eligibility.

The maximum number of semester credit hours (SCH) is 18. A student must have written permission to register for more than 18 hours. The absolute maximum number of semester credit hours is 21, inclusive of institutions other than TSU.

COPHS applicants for graduation shall have completed all courses in the curriculum with a grade of “C” or better.

Students are expected to accept full responsibility for their program of study including satisfactory completion of requirements.

The Internship (last year) is restricted to students who have satisfied ALL previous program requirements and who have been approved for assignment.

LISTED COURSES	SUBSTITUTED COURSES	LISTED COURSES	SUBSTITUTED
*BIOL 135/136	6 Hours of Biological, Chemistry, <u>or</u> Physical Sciences	*Creative Arts – 3 SCH	ART 135, 137 MUSI 136, 239 or THEA 130
*SOC 157 - 3SCH	PSY 131 GEOG 132 ECON 231, 232; SOC 158, 221, 238	*SC 135 or 136	
		*MATH 135	MATH 138. (If student has completed ACCT 231, then MATH 231, 134 or Higher will substitute.)
Approved Electives - 3SCH Courses in: Science, HSCR, HSHA, PHARM, FN; SOC, PA, PSY, HED, HSEH, HIM, BUS, ACCT, FIN, ECON, GEOG, GEOL, MATH (Above MATH 133), Foreign Lang, Vis/Per Arts, and other pre-approved courses.			

**Students should seek advisement prior to registering for any course intended to be used as credit toward the Health Administration degree.**

## HEALTH INFORMATION MANAGEMENT COURSES

- HSHI 362**                      **Medical Terminology/Word Processing**                      **(3)**  
Designed to extensively develop the student's medical vocabulary: Greek and Latin prefixes, suffixes, word roots, and combining forms used to build medical terms. Three hours of lecture per week. Prerequisites: BIOL 135 and BIOL 136.
- HSHI 363**                      **Basic Foundations I**                      **(3)**  
Introduction to health information systems and technology; assessment of institutional and patient-related information needs; departmental, informational, service, and operational needs. Three hours of lecture per week. Prerequisite: HSCR 150.
- HSHI 363L**                      **Basic Foundations Laboratory**                      **(2)**  
Designed to simulate a health information department with the activities of health information management. Prerequisite: HSCR 150. Co-requisite: Enrollment in HSHI 363 required. Six hours of laboratory per week.
- HSHI 364**                      **Management of Health Data I**                      **(3)**  
Indexes and registries; nomenclature and classification systems; data abstraction; departmental operations and services. Three hours of lecture per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 365, and HSHI 366.
- HSHI 364L**                      **Management of Health Data Laboratory**                      **(2)**  
Simulated activities where students are given the opportunity to practice coding diagnoses and procedures from actual medical records using computer technology. Six hours of laboratory per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 365, and HSHI 366.
- HSHI 365**                      **Directed Practice I**                      **(2)**  
Students assigned to Health Information Management Departments for experiences in the technical aspects of health information management. Two hours of lecture and one hour of laboratory per week. Prerequisites: BIOL 135 and BIOL 136.
- HSHI 366**                      **Legal Aspects**                      **(2)**  
Legal terminology; the court system; control and use of health information; health care legislation and regulations; confidentiality; ethical standards for health information managers. Two hours of lecture per week. Prerequisites: HSCR 150 and HSCR 260.
- HSHI 373**                      **Basic Foundations II**                      **(2)**  
Management of health information in non-traditional settings: long-term care, ambulatory care, hospices, home health care, psychiatric centers, and rehabilitation facilities. Two hours of lecture per week. Prerequisites: HSHI 363 and HSHI 363L.
- HSHI 374**                      **Management of Health Data II**                      **(2)**  
Clinical coding procedures, outpatient coding, statistics, and reporting guidelines. Two hours of lecture per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 364, HSHI 365, and HSHI 366.
- HSHI 401**                      **In-Service Training for Health Information Managers**                      **(1)**  
Presentation of in-service training tools and techniques. One hour of lecture per week. Prerequisite: HSHI 479.

- HSHI 402**                      **Comprehensive Health Information Management**                      **(1)**  
 Review of competencies addressed in all professional courses. Students enrolled must pass a comprehensive examination with a score of 75% or better prior to graduation. Prerequisites: Completion of all HSCR and HSHI courses, except HSHI 476 and HSHI 478.
- HSHI 473**                      **Quality Assurance Management**                      **(3)**  
 Theory and application of quality improvement, utilization review, risk management, Medicare and Medicaid review process, and other laws and regulations applicable to health information systems. Three hours of lecture per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 364, HSHI 365, and HSHI 366.
- HSHI 474**                      **Computerized Health Information Systems**                      **(3)**  
 Evaluation of hardware and software components of computers for health information systems: design and cost effectiveness, record linkages, and data sharing. Three hours of lecture per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 364, HSHI 365, and HSHI 366.
- HSHI 475**                      **Directed Practice II**                      **(3)**  
 Students assigned to a health information management center for experiences in quality improvement, computer applications, classification systems, and statistical analysis of health information. One hour of lecture, one hour of laboratory, independent study per week. Prerequisites: HSHI 362, HSHI 363, HSHI 363L, HSHI 364, HSHI 365, and HSHI 366.
- HSHI 476**                      **Preceptorship**                      **(4)**  
 Students assigned to a health information center for administrative management training. Individual projects assigned for completion at site. One hour of lecture and ten hours of laboratory per week. Prerequisite: Consent of the Program Director.
- HSHI 477**                      **Management of Health Information Systems**                      **(4)**  
 Theories of managerial concepts and control mechanisms as applied to health information systems. Four hours of lecture per week. Prerequisites: All HSHI courses through HSHI 475.
- HSHI 478**                      **Problems in Medical Records / Health Information Management**                      **(2)**  
 Problem identification and resolution, including formulation of alternative solutions, for health information management. Post-preceptorship discussions also included. Two hours of lecture per week. Prerequisite: Consent of the Program Director.
- HSHI 479**                      **Health Information Personnel Management**                      **(3)**  
 Discussion of the skills, techniques, policies, and procedures needed for successful human resource management: interview process, performance appraisals, and wage and salary administration. Three hours of lecture per week. Prerequisites: All HSHI courses through HSHI 475.

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE  
IN HEALTH INFORMATION MANAGEMENT  
TOTAL CREDITS REQUIRED: 131**

CORE CURRICULUM (STANDARD)*		MAJOR (HEALTH INFORMATION MANAGEMENT)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		45 credits	44 credits	0 credits
<b><u>Communication:</u></b>		HSHI 362 (3)	BIOL 111 (1) <sup>1</sup>	
ENG 131 (3)**	ENGL 1301	HSHI 363 (3)	BIOL 112 (1) <sup>1</sup>	
ENG 132 (3)	ENGL 1302	HSHI 363L (2)	BIOL 131 (3) <sup>2</sup>	
<b><u>Mathematics:</u></b>		HSHI 364 (3)	BIOL 132 (3) <sup>2</sup>	
MATH 133 (3)	MATH 1314	HSHI 364L (2)	BIOL 246 (4)	
<b><u>Life and physical sciences:</u></b>		HSHI 365 (2)	HSCR 150 (3)	
BIOL 135 (3)	BIOL 2401	HSHI 366 (2)	HSCR 260 (3)	
BIOL 136 (3)	BIOL 2402	HSHI 373 (2)	HSCR 300 (1)	
<b><u>Language, philosophy, and culture:</u></b>		HSHI 374 (2)	HSCR 360 (3)	
ENG 2xx (3) ***		HSHI 401 (1)	MATH 138 (3)	
<b><u>Creative arts:</u></b>		HSHI 402 (1)	MGMT 300 (3)	
Visual and Performing Arts (3)****		HSHI 473 (3)	MGMT 301 (3)	
<b><u>American history:</u></b>		HSHI 474 (3)	MGSC 239 (3)	
HIST 231 (3)	HIST 1301	HSHI 475 (3)	FS 102 (1)	
HIST 232 (3)	HIST 1302	HSHI 476 (4)	Free Electives (9)	
<b><u>Government/political science:</u></b>		HSHI 477 (4)		
POLS 235 (3)	GOVT 2305	HSHI 478 (2)		
POLS 236 (3)	GOVT 2306	HSHI 479 (3)		
<b><u>Social and behavioral sciences:</u></b>				
Social and Behavioral Sciences (3)*****				
<b><u>Institutional Options:</u></b>				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* Select from the following courses: THEA 130, MUSI 136, MUSI 239, ART 135, or ART 137 (TCCN: DRAM 1310, MUSI 1306, HUMA 1315, HUMA 2323, ARTS 1301).

\*\*\*\*\*Select from the following courses: PSY 131, ECON 231, ECON 232, SOC 157, SOC 158, SOC 221 and SOC 238.

<sup>1</sup>May together be substituted with CHEM 131 and 111 or with PHYS 237 and 213.

<sup>2</sup>May together be substituted with CHEM 132 and 112 or with PHYS 238 and 214.

**BACHELOR OF SCIENCE DEGREE IN HEALTH INFORMATION MANAGEMENT  
DEGREE PLAN - TOTAL CREDITS: 131**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	BIOL 131 / 111 Biology Lecture / Lab	4	BIOL 132 / 112 Biology Lecture / Lab	4
	ENG 131 Freshman English	3	ENG 132 Freshman English	3
	MATH 133 College Algebra	3	MATH 138 Math for Bus & Econ Analysis II	3
	HIST 231 Social and Political History	3	CS 116 Introduction to Computers	3
	Performing Arts 130 Music, Theatre, Art	3	PSY 131 General Psychology	3
	HSCR 150 Concepts of Health	3	HIST 232 Social and Political History	3
	FS 102 Freshman Seminar	1		
		<b>20 Hrs</b>		<b>19 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	BIOL 135 Human Anatomy and Physiology	3	BIOL 136 Human Anatomy and Physiology II	3
	HSCR 260 Biomedical Ethics	3	POLS 236 American Political Systems II	3
	ENG 230-244 English Literature	3	MGSC 239 Management Science Statistics	3
	SC 135 or 136 Speech Communication	3	BIOL 246 Microbiology	4
	POLS 235 American Political Systems I	3	HSCR 300 Health Science Seminar	1
		<b>15 Hrs</b>		<b>14 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HSCR 360 Principles of Disease	3	MGMT 301 Personnel and Manpower	3
	MGMT 300 Business Organization	3	HSHI 364 Management of Health Data I	3
	HSHI 362 Medical Terminology	3	HSHI 364L Management of Health Data Lab	2
	HSHI 363 Basic Foundations I Lecture	3	HSHI 365 Directed Practice I	2
	HSHI 363L Basic Foundations I Lab	2	HSHI 366 Legal Aspects	2
	HSHI 373 Basic Foundations II	2	Free Elective	3
		<b>16 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	HSHI 374 Management of Health Data II	2	HSHI 402 Comprehensive HIM (Capstone)	1
	HSHI 401 In-Service Training for HIM	1	HSHI 476 Preceptorship	4
	HSHI 473 Quality Assurance Management	3	HSHI 477 Management of Health Info Systems	4
	HSHI 474 Computerized Health Info Systems	3	HSHI 478 Problems in Medical Records/HIM	2
	HSHI 475 Directed Practice II	3	HSHI 479 Health Info. Personnel Mgmt.	3
	Free Elective	3	Free Elective	3
		<b>15 Hrs</b>		<b>17 Hrs</b>

## CLINICAL LABORATORY SCIENCE COURSES

- CLSC 252 Serology Practices and Procedures (2)**  
Integration of didactic instruction with discussion of serology tests in normal and disease states, principles and significance of procedures, quality control, audiovisual and case studies to provide a comprehensive understanding of serologic practices and procedures in evaluating disorders of the immune system, infectious diseases, autoimmune disease and hypersensitivity states. Two hours of lecture weekly. Prerequisite: Consent of Program Director.
- CLSC 252L Serology Practices and Procedures Laboratory (1)**  
Course provides students with a simulated clinical laboratory experiences in processing patient specimens, performing selected tests/analysis of specimens, report results and correlate test results with pathologic diseases/conditions. Three hours of laboratory weekly. Co-requisite: concurrent enrollment in HSCL 252 lecture. Prerequisite: Consent of Program Director.
- CLSC 304 Clinical Laboratory Science Application I (1)**  
The course integrates didactic instruction with case studies and performance of laboratory procedures to provide a comprehensive understanding of clinical laboratory policies and procedures inclusive of an overview of the profession, phlebotomy, laboratory safety, compliance and regulatory agencies. One hour of lecture per week.
- CLSC 305 Clinical Laboratory Science Application II (1)**  
The course is designed to provide an orientation to the theory and required skills in education methodology, laboratory information systems, laboratory calculation and quality assurance. One hour of lecture per week.
- CLSC 306 Comprehensive Clinical Laboratory Science (1)**  
This course will provide exposure to laboratory management as well as research skills and techniques. Research class will culminate in a presentation of clinical research. Additionally, there will be reinforcement of theoretical acquisition of core knowledge in CLS to facilitate application to board type questions. The class will be repeated with the first semester of the senior year covering management and the second semester of the senior year covering research. One hour of lecture per week. Prerequisites: HSCR 300 or concurrent enrollment, CLSC 304 and CLSC 305.
- CLSC 352 Hematology I (3)**  
The theory of development of cellular elements of the blood including principles of diagnostic importance to detect disease and recognize normal processes affecting the anemias, leukemias, etc. of the hematopoietic system. Three hours of lecture weekly. Prerequisite: Acceptance into the program and consent of Program Director. Co-requisite: Concurrent enrollment in CLSC 352L.
- CLSC 352L Hematology Laboratory I (1)**  
Routine laboratory assay used to assess the hematopoietic system related to the detection, identification, and pathophysiology of anemias, leukemias, and other blood dyscrasias. Four hours of laboratory weekly. Prerequisite: Co-requisite: Concurrent enrollment in CLSC 352.
- CLSC 353 Clinical Microscopy and Quality Control (3)**  
An introduction to urinalysis and body fluid analysis, including anatomy and physiology of the kidney, physical, chemical and microscopic examination of urine, cerebrospinal fluid and other body fluid; inclusive of theory, performance and interpretation of procedures involving the physical, chemical and microscopic properties of urine and body fluids. Three hours of lecture weekly. Prerequisite: Consent of Program Director.
- CLSC 353L Clinical Microscopy and Quality Control Laboratory (1)**  
Simulated clinical laboratory experiences in which students process patient specimens, perform selected tests, report results, correlate data with various pathologic diseases/conditions; enhance critical thinking and decision making in the correlation of patient data. Four laboratory hours weekly.

Prerequisite: Consent of Program Director.

<b>CLSC 354</b>	<b>Immunoematology I</b> (2) The course is a comprehensive study that focuses on regulatory agencies, quality assurance policies and practices, basic principles of immunology and genetics (inclusive of molecular genetics), antigen and antibody theory, in-vitro practices, anti-globulin testing and compatibility testing relevant to blood banking and safe transfusion practices. Critical thinking and analytical skills will be increased via case studies. Two hours of lecture weekly. Prerequisite: Acceptance into the CLS program and consent of Program Director. Co-requisite: Concurrent enrollment in CLSC 354L.
<b>CLSC 354L</b>	<b>Immunoematology I Laboratory</b> (1) Student will apply the acquisition of blood banking knowledge and of analytical and critical thinking skills through the performance of blood banking testing procedures. Quality assurance and quality control practices and testing procedures will be performed. Safety issues and practices will be emphasized. Three hours of laboratory weekly. Co-requisite: Concurrent enrollment in CLSC 354.
<b>CLSC 355</b>	<b>Medical Chemistry I</b> (2) Course focuses on basic clinical chemistry practices and procedures designed to provide a comprehensive understanding of subject matter and correlate test results with various diseases/conditions. Two hours of lecture weekly. Prerequisite: Acceptance into the CLS Program or consent of Program Director. Co-requisite: Concurrent enrollment in CLSC 355L.
<b>CLSC 355L</b>	<b>Medical Chemistry Laboratory I</b> (1) Course provides students with the opportunity to process patient specimens perform selected tests, report and correlate test results with various pathologic diseases/conditions and gain experience in quality control, performance improvement, critical thinking, decision making and test correlation. Four hours of laboratory weekly. Co-requisite: Concurrent enrollment in CLSC 355.
<b>CLSC 356</b>	<b>Hemostatic Processes</b> (3) The theory of the coagulation mechanism and its relationship in disease states with emphasis on identification of coagulation deficiencies and abnormalities. Enhancement of critical thinking and decision making skills utilizing case studies and correlation of patient data. Three hours of lecture weekly. Prerequisite: Consent of Program Director. Co-requisite: Concurrent enrollment in CLSC 356L.
<b>CLSC 356L</b>	<b>Hemostatic Processes Laboratory</b> (1) Routine laboratory assay used to assess the health of the hemostatic system relating to the detection, identification and pathophysiology of blood dyscrasias affecting thrombus formation inclusive of platelet enumeration and evaluation. Four hours of laboratory weekly. Co-requisite: Concurrent enrollment in CLSC 356.
<b>CLSC 357</b>	<b>Practicum I</b> (3) Performance of serological and urinalysis techniques and methods in an affiliated clinical facility. Includes quality assurance practices and procedures and equipment maintenance. Fifteen hours of laboratory per week. Prerequisite: Consent of the Program Director and fourth year standing.
<b>CLSC 358</b>	<b>Clinical Immunology</b> (2) Clinical rotation in an affiliated clinical facility with emphasis on technical skills and applications. Ten hours of laboratory per week. Prerequisite: Consent of the Program Director.
<b>CLSC 359</b>	<b>Microbial Human Disorders I</b> (3) Skills development and performance in the detection, isolation, and identification of microbes of medical importance to human pathologic conditions. One hour of lecture and four hours of laboratory per week. Prerequisites: CLSC 252 and CLSC 252L.
<b>CLSC 362</b>	<b>Hematology II</b> (2)

Advance theory in hematology focusing on routine and specialized processes required to perform, interpret, classify and evaluate cellular abnormalities and recognize those conditions that are considered normal. Case studies are utilized to enhance the development of critical thinking and decision making skills. Two hour lecture weekly. Prerequisites: CLSC 352 and CLSC 352L. Co-requisite: Concurrent enrollment in CLSC 362L.

- CLSC 362L Hematology II Laboratory (1)**  
Routine and specialized testing are used to define, diagnose, monitor, evaluate, classify, and validate patient data in the assessment of blood cell abnormalities of the hematopoietic system. Four laboratories weekly. Prerequisites: CLSC 352 and CLSC 352L. Co-requisite: Concurrent enrollment in CLSC 362.
- CLSC 364 Immunoematology II (2)**  
A continuation of knowledge and skills acquired in blood bank, blood donor collection, testing, utilization and storage of blood and blood components. Transfusion therapy practices, adverse complications of transfusion therapy, Hemolytic Disease of the fetus and newborn, and hemolytic anemias will be explored. Case studies will be utilized to enhance critical thinking and analytical skills. Two lecture hours weekly. Prerequisite: CLSC 354 and CLSC 354L. Co-requisite: Concurrent enrollment in CLSC 364L.
- CLSC 364L Immunoematology II Laboratory (1)**  
An advanced level of testing procedures will be performed in this course. Students will demonstrate the acquisition of blood banking knowledge, analytical and critical thinking skills through the performance of blood banking testing procedures. Quality assurance practices, including quality control testing will be performed. Safety issues and practices are emphasized. Four laboratory hours weekly. Prerequisite: CLSC 354 and CLSC 354L. Co-requisite: Concurrent enrollment in CLSC 364.
- CLSC 365 Medical Chemistry II (2)**  
Advanced, specialized clinical chemistry to provide the opportunity to process patient specimens, perform selected tests, report and correlate test data with various pathologic disease/conditions and gain experience in quality control, performance improvement, critical thinking, decision making and test correlation. Two hours of lecture weekly. Prerequisites: CLSC 355 and CLSC 355L. Co-requisite: Concurrent enrollment in CLSC 365L.
- CLSC 365L Medical Chemistry II Laboratory (1)**  
Course will focus on opportunities to process patient samples, perform required tests, report and correlate patient test data with various diseases/conditions inclusive of quality control, performance improvement, critical thinking and decision making. Four hours of laboratory weekly Prerequisites: CLSC 355 and CLSC 355L. Co-requisite: Concurrent enrollment in CLSC 356.
- CLSC 369 Microbial Human Disorders II (2)**  
Recognition of parameters to detect, isolate, and identify the characteristics of medically important microbiologic, mycologic, and parasitic organisms of man. One hour of lecture and four hours of laboratory per week. Prerequisite: CLSC 359.
- CLSC 466 Clinical Hematology (4)**  
Clinical practicum in an affiliated clinical facility with emphasis on practical/technical skills and applications. Two hours of lecture and eighteen hours of laboratory per week. Prerequisite: Fourth year standing and consent of the Program Director.
- CLSC 467 Blood Bank (4)**  
Clinical practicum focusing on the performance of antibody assessments, compatibility phlebotomy, component preparation, donor processing of donated blood, and quality assurance. Two hours of lecture and eighteen hours of laboratory per week. Prerequisite: Fourth year standing and consent of the Program Director.



**CLSC 468**

**Clinical Microbiology**

**(4)**

Clinical rotation at an affiliated clinical site to emphasize practical/technical skills and applications. Two hours of lecture and eighteen hours of laboratory per week. Prerequisite: Fourth year standing and consent of the Program Director.

**CLSC 469**

**Clinical Biochemistry**

**(4)**

Clinical rotation at an affiliated clinical site to emphasize practical/technical skills and applications. Two hours of lecture and eighteen hours of laboratory per week. Prerequisite: Fourth year standing and consent of the Program Director.

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE  
IN CLINICAL LABORATORY SCIENCE**

**TOTAL CREDITS REQUIRED: 136**

**ACCREDITED BY THE NATIONAL ACCREDITING AGENCY FOR CLINICAL LABORATORY SCIENCES**

CORE CURRICULUM (STANDARD)*		MAJOR* (CLINICAL LABORATORY SCIENCE )	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		59 credits	35 credits	0 credits
<b>Communication:</b>		CLSC 252 (2)	BIOL 131 (3)	
ENG 131 (3)**	ENGL 1301	CLSC 252L (1)	BIOL 132 (3)	
ENG 132 (3)	ENGL 1302	CLSC 304 (1)	BIOL 245 (4) or BIOL 344 (4)*****	
<b>Mathematics:</b>		CLSC 305 (1)	BIOL 347 (4) or BIOL 246	
MATH 133 (3)	MATH 1314	CLSC 306 (1)	CHEM 211 (1)	
<b>Life and physical sciences:</b>		CLSC 307 (1)	CHEM 231 (3)	
CHEM 131 (3)	CHEM 1311	CLSC 352 (2)	CHEM 212 (1) or CHEM 445L	
CHEM 132 (3)	CHEM 1312	CLSC 352L (1)	CHEM 232 ( 3 ) or CHEM 445	
<b>Language, philosophy, and culture:</b>		CLSC 353 (3)	HSCR 150 (3)	
ENG 2xx (3) ***		CLSC 353L (1)	HSCR 260 (3)	
<b>Creative arts:</b>		CLSC 354 (2)	HSCR 300 (1)	
Visual and Performing Arts (3)****+		CLSC 354L (1)	HSCR 360 (3)	
<b>American history:</b>		CLSC 355 (2)	CHEM 111 (1)	
HIST 231 (3)	HIST 1301	CLSC 355L (1)	CHEM 112 (1)	
HIST 232 (3)	HIST 1302	CLSC 356 (3)	FS 102 (1)+++	
<b>Government/political science:</b>		CLSC 356L (1)		
POLS 235 (3)	GOVT 2305	CLSC 357 (3)		
POLS 236 (3)	GOVT 2306	CLSC 358 (2)		
<b>Social and behavioral sciences:</b>		CLSC 359 (3)		
Social and Behavioral Sciences (3)*****		CLSC 362 (2)		
<b>Institutional Options:</b>		CLSC 362L (1)		
SC 135 (3) or 136 (3)	SPCH 1321 or SPCH 1315	CLSC 364 (2)		
CS 116 (3)	COSC 1301	CLSC 364L (1)		
		CLSC 365 (2)		
		CLSC 365L (1)		
		CLSC 369 (2)		
		CLSC 466 (4)		
		CLSC 467 (4)		
		CLSC 468 (4)		
		CLSC 469 (4)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* Select from the following courses: THEA 130, MUSI 136, MUSI 239, ART 135, or ART 137 (TCCN: DRAM 1310, MUSI 1306, HUMA 1315, HUMA 2323, ARTS 1301).

\*\*\*\*\*Select from the following courses: PSY 131, ECON 231, ECON 232, SOC 157, SOC 158, SOC 221 and SOC 238.

\*\*\*\*\* The following courses can be substituted for BIOL 245: BIOL 135 & BIOL 136 or BIOL 344

+ Upon approval of the Program Director, student may take any fine arts or equivalent to satisfy this requirement.

**BACHELOR OF SCIENCE DEGREE IN CLINICAL LABORATORY SCIENCE  
DEGREE PLAN – TOTAL CREDITS: 136**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	CHEM 111 General Chemistry I Lab	1	CHEM 112 General Chemistry II Lab	1
	CHEM 131 General Chemistry I Lec	3	CHEM 132 General Chemistry II Lec	3
	MATH 133 College Algebra	3	SC 135 or 136 Speech Communication	3
	ENG 131 Freshman English I	3	ENG 132 Freshmen English II	3
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	HSCR 150 Concepts of Health	3	PSY 131 Psychology**	3
	FS 102 Freshman Seminar	1	CS 116 Computer Science	3
		17 Hrs		19 Hrs

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	CHEM 211 Organic Chemistry I Lab	1	CHEM 232 / 212 Organic Chemistry II or CHEM 445 / 445L Biochemistry	4
	CHEM 231 Organic Chemistry I Lec	3	ENG 200 Level English Literature	3
	BIOL 245 Human Anatomy & Physiology	4	BIOL 347 Microbiology ##	4
	POLS 235 American Political Systems I	3	POLS 236 American Political System II	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	Visual & Performing Arts*	3		
		17 Hrs		17 Hrs

Summer	SUMMER		SUMMER	
	HSCR 360 Principles of Disease	3		
	HSCR 260 Biomedical Ethics	3		
	6 Hrs		0 Hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	CLSC 252 Serology Practices & Procedures	2	CLSC 353 Clinical Microscopy & Quality Control	3
	CLSC 252L Serology Practices & Procedures Lab	1	CLSC 353L Clinical Microscopy & Quality Control	1
	CLSC 304 Medical Tech Applications I	1	CLSC 305 Medical Tech Applications II	1
	CLSC 352 Hematology I	2	CLSC 362 Hematology II	2
	CLSC 352L Hematology I Lab	1	CLSC 362L Hematology II Lab	1
	CLSC 354 Immunohematology I	2	CLSC 364 Immunohematology II	2
	CLSC 354L Immunohematology I Lab	1	CLSC 364L Immunohematology II Lab	1
	CLSC 355 Medical Chemistry I	2	CLSC 365 Medical Chemistry II	2
	CLSC 355L Medical Chemistry I Lab	1	CLSC 365L Medical Chemistry II Lab	1
	CLSC 359 Microbial Human Disorders I Lec / Lab	3	CLSC 369 Microbial Human Disorders II Lec / Lab	2
	16 Hrs		16 Hrs	

Summer	SUMMER		SUMMER	
	CLSC 356 Hemostatic Processes	3		
	CLSC 356L Hemostatic Processes Lab	1		
		<b>4 Hrs</b>		<b>0 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	CLSC 306 - Capstone Review I	1	CLSC 307 - Capstone Review II	1
	CLSC 357 Clinical Practicum I	3	CLSC 358 Clinical Immunology	2
	CLSC 466 Clinical Hematology	4	CLSC 468 Clinical Microbiology	4
	CLSC 467 Clinical Blood Bank	4	CLSC 469 Clinical Biochemistry	4
			HSCR 300 Health Science Seminar	1
		<b>12 Hrs</b>		<b>12 Hrs</b>

\* Either one of the following: THEA 130, MUSI 136, MUSI 239, ART 135, or ART 137 (TCCN: DRAM 1310, MUSI 1306, HUMA 1315, HUMA 2323, ARTS 1301).

\*\* Social and Behavioral Sciences requirements maybe fulfilled by either of the following: Soc 157, Soc 158, Soc 231, ECON 231, ECON 232

Internship (last Year) is restricted to students who have satisfied ALL program requirements and who have been approved for assignment

**LISTED COURSES**

CHEM 232/212 L  
 BIOL 245  
 BIOL 347

**SUBSTITUTED COURSE**

CHEM 445  
 BIOL 135 &136 or BIOL 344  
 BIOL 246

Students should seek advisement prior to registering for any course intended to be used as credit toward the Clinical Laboratory Science degree.

## RESPIRATORY THERAPY COURSES

- HSRT 220**                    **Respiratory Therapy Clinical Practicum**                    **(2)**  
Introduction to basic procedures; equipment applications; therapeutic modalities for oxygen, humidity, aerosol therapy; methods in and indicators for respiratory therapeutics. Precedes clinical rotation. Six hours of laboratory per week. Co-requisites: HSRT 230 and HSRT 231.
- HSRT 222**                    **Developmental Practicum in Clinical Applications**                    **(2)**  
Skills enhancement of basic procedures and clinical development in patient respiratory care plan, CPR, mechanical ventilation, and patient assessment. Twelve hours of laboratory per week. Twenty-four hours of laboratory per week. Prerequisites: HSRT 220, HSRT 230, and HSRT 231. Co-requisite: HSRT232.
- HSRT 230**                    **Introduction to Respiratory Therapy**                    **(3)**  
Introduction to respiratory care basic sciences applications, terminology, ventilatory mechanics, blood- gas analysis, and acid-base balance. Three hours of lecture per week. Co-requisites: HSRT 220 and HSRT 231.
- HSRT 231**                    **Cardiopulmonary Systems**                    **(3)**  
Anatomical and physiological study of the cardiovascular and pulmonary systems; contrast of the normal versus dysfunctional cardiopulmonary system; relationship to and effect upon renal physiology. Three hours of lecture per week. Co-requisites: HSRT 220 and HSRT 230.
- HSRT 232**                    **Intermediate Clinical Applications**                    **(4)**  
Theoretical applications in patient assessment, administration, and evaluation of oxygen and aerosol. Intermittent breathing exercises; basic CPR training; and development in mechanical ventilation administration. Four hours of lecture per week. Prerequisites: HSRT 220, HSRT 230, and HSRT 231. Co-requisite: HSRT 222.
- HSRT 307**                    **Respiratory Care Applications I**                    **(1)**  
Applications and analyses of clinical data for presentation by respiratory care practitioners. One hour of lecture per week. Prerequisite: Consent of the Program Director.
- HSRT 308**                    **Respiratory Care Applications II**                    **(1)**  
Continuation of HSRT 307 to include simulations and presentations. One hour of lecture per week. Prerequisite: Consent of the Program Director.
- HSRT 320**                    **Applied Procedures and Equipment - Clinical Practicum III**                    **(2)**  
Study of and clinical practice in applications of the operation, mechanical features, limitations of, and indications for various types of equipment used in respiratory care. Eight hours of laboratory per week. Prerequisites: HSRT 220, HSRT222, HSRT 230, HSRT 231, and HSRT 232. Co-requisites: HSRT 321, HSRT 330, and HSRT 331.
- HSRT 321**                    **Respiratory Therapy Clinical Practicum IV**                    **(2)**  
Symptomatic presentations and pathophysiological manifestations; clinical experiences; case studies; and advanced respiratory patient care procedures at clinical sites. Six hours of laboratory per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, and HSRT 232. Co-requisite: HSRT 330, HSRT 331, and HSRT 320.

- HSRT 322                      Respiratory Therapy Clinical Practicum V                      (2)**  
Continuation of HSRT 321 with emphasis on advanced respiratory care practice and technology where invasive and specialized procedures are used. Eight hours of laboratory per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 330, HSRT 331, HSRT 320, and HSRT 321. Co-requisite: HSRT 332, HSRT 333, and HSRT 323.
- HSRT 323                      Respiratory Therapy Clinical Practicum VI                      (2)**  
Long-term, critical, intensive, surgical, and post-surgical assessment of respiratory care therapeutics presented. Advanced clinical experiences, procedures, and case studies obtained at clinical sites. Eight hours of laboratory per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 330, HSRT 331, HSRT 320, and HSRT 321. Co-requisites: HSRT 332, HSRT 333, and HSRT 322.
- HSRT 325                      Pediatric Clinical Practicum                      (2)**  
Procedures and treatment modalities utilized in the clinical management of neonatal and pediatric patients. Sixteen of laboratory per week. Co-requisite: HSRT 340.
- HSRT 330                      Applied Procedures and Equipment I                      (3)**  
Study of airway management, resuscitation, and continuous assisted ventilation. Specific mechanics and applications of equipment/techniques utilized in corresponding clinical sites. Three hours of lecture per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, and HSRT 232. Co-requisites: HSRT 320, HSRT 321, and HSRT 331.
- HSRT 331                      Theoretical and Applied Respiratory Therapy                      (3)**  
Study of the pathophysiology and clinical presentations manifested in pulmonary disease and dysfunction. Acid-base balance; radiological and pulmonary function testing; hemodynamics; and ECG presentations studied. Three hours of lecture per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 320, and HSRT 321. Co-requisites: HSRT 330, HSRT 320, and HSRT 321
- HSRT 332                      Applied Procedures and Equipment II                      (3)**  
Study of advanced, invasive, and specialized procedures applicable to the function of the cardiopulmonary and renal systems. Continuation and augmentation of HSRT 330. Three hours of lecture per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 320, and HSRT 321. Co-requisites: HSRT 331, HSRT 320, and HSRT 321.
- HSRT 333                      Cardiopulmonary Diseases                      (3)**  
Advanced study of pathology, diagnosis, treatment, and assessment of pulmonary, circulatory, and renal dysfunction. Emphasis on identification of and treatment regimen for specific cardiopulmonary dysfunction. Three hours of lecture per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 320, HSRT 321, HSRT 330, and HSRT 331. Co-requisites: HSRT 322, HSRT323, and HSRT 332.
- HSRT 334                      Respiratory Care Pharmacotherapy                      (3)**  
Clinical aspects and physiologic effects of drugs administered by the respiratory care practitioner. Clinical activities involved in the preparation, delivery, and therapeutic evaluation of administered drugs. Three hours of lecture per week. Prerequisite: HSRT 220, HSRT222, HSRT 230, HSRT 231, and HSRT 232.

<b>HSRT 340</b>	<b>Neonatal and Pediatric Respiratory Care</b> Respiratory care of newborns, infants, and children; procedures in oxygen, aerosol, and ventilatory therapeutics; and review of anatomy/physiology, specific abnormalities, specialized procedures, and clinical presentations. Three hours of lecture per week. Prerequisites: HSRT 220, HSRT 222, HSRT 230, HSRT 231, HSRT 232, HSRT 320, HSRT 321, HSRT 330 and consent of the Program Director. Co-requisite: HSRT 325.	<b>(3)</b>
<b>HSRT 360</b>	<b>Clinical Practicum III</b> Clinical application of the operation, mechanical features, limitations of and indications of various equipment's used in respiratory care. Six hours of laboratory per week. Prerequisite(s): Third year professional year with HSRT 330, HSRT 334, HSRT 340, and HSRT 331.	<b>(6)</b>
<b>HSRT 361</b>	<b>Clinical Practicum IV</b> Clinical practice and application of respiratory care principles and standards to the care of patients based on symptomatic presentation, pathophysiological manifestations, clinical experiences at clinical sites. Prerequisite(s): Third year professional year and HSRT 301, HSRT 332, and HSRT 333.	<b>(4)</b>
<b>HSRT 400</b>	<b>Data Analysis</b> Techniques for data discovery and extraction relevant to clinical studies and research application. Course focuses on exercises in the selection and employment of appropriate statistical methods required to complete experimental design. Three hours of lecture per week. Prerequisite(s): Permission from the Program Director.	<b>(3)</b>
<b>HSRT 403</b>	<b>Advanced Practice Applications</b> Course engages students in emerging clinical and medicinal applications related to the respiratory care profession. Students select from skills development options in health specialization areas for project development. Prerequisite(s): Permission from the Program Director.	<b>(3)</b>
<b>HSRT 407</b>	<b>TMC Comprehensive Review Seminar</b> Application and analysis of clinical data for presentation to respiratory care practitioners. One hour of lecture per week. Prerequisite(s): Completion of all 300 level courses.	<b>(1)</b>
<b>HSRT 420</b>	<b>Comprehensive Respiratory Care</b> Comprehensive study of the respiratory care practice at both the technician and therapist levels based on NBRC job analysis survey results. Two hours of lecture per week. Prerequisite: Consent of the Program Director.	<b>(2)</b>
<b>HSRT 421</b>	<b>Education in Respiratory Care</b> Students are trained in educational methods for patients, family members and allied health practitioners, delivery methods, classroom design and technical applications, and experiential practice. Exercises in development of educational objectives, learning outcomes, design/implementation of evaluation instrument. Prerequisite(s): Permission from the Program Director.	<b>(2)</b>
<b>HSRT 432</b>	<b>Healthcare Leadership</b> Study in building leadership competencies synchronizes clinical skills and technological acuity intersecting governing policies, science and medicine, population trends impacting global issues, hospital corporate governance, health inter-professional (interdisciplinary), leadership communication and perspective models. Prerequisite(s): Permission from the Program Director.	<b>(3)</b>

- HSRT 433 Pulmonary Rehabilitation (3)**  
Study in medical, ethical and reimbursement application for pulmonary rehabilitation issues and impacting factors regarding home care, sleep diagnostic facilities, treatment. Discharge planning and impacting legislative and accreditation regulations. Prerequisite(s): Permission from the Program Director.
- HSRT 435 Electrocardiographic Technology (3)**  
ECG techniques, procedures, patterns, and interpretations; systematic methods for reading electrocardiograms. Three hours of lecture and four hours of laboratory per week. Prerequisite: Consent of the Program Director.
- HSRT 436 Introduction to Respiratory Research (3)**  
Studies in respiratory care literature, exercise in methods and process in respiratory care research initiatives. Students will review and analyze current and other applicable research articles and contributions. Students will design and conduct research projects. Topics include literature review, institutional board review and meth. Prerequisite(s): Permission of the Program Director.
- HSRT 437 Current Issues and Trends in Respiratory Care (3)**  
Course examines evolving profession, impacting political, social and ethical trends that effect/potentially effect clinical interventions and provisions of the respiratory care practitioner. Students are engaged in independent study and group discussion on these issues. Prerequisite(s): Permission from the Program Director.
- HSRT 438 Statistic in Respiratory Care (3)**  
Students will study and utilize statistical software in employed for clinical investigations regarding diagnostic procedures, treatment outcomes, and other relevant respiratory and health related topics. Studies include central tendency and variability, probability, analysis of variance and data association and prediction. Prerequisite(s): Fourth year professional standing.
- HSRT 439 Advanced Cardiopulmonary Life Support (3)**  
Clinical interventions for the urgent treatment of cardiac arrest, stroke, and other life-threatening medical emergencies, as well as the knowledge and skills to deploy those interventions. Prerequisite(s): Fourth year professional standing.
- HSRT 440 Respiratory Therapy Management I (4)**  
Departmental management involving personnel, decision making, budgeting, evaluation of departmental effectiveness, and development of departmental policies. Three hours of lecture and four hours of laboratory per week. Prerequisite: Consent of the Program Director.
- HSRT 441 Respiratory Therapy Management II (4)**  
Continuation of HSRT 440. Three hours of lecture and four hours of laboratory per week. Prerequisites: HSRT 440 and Consent of the Program Director.
- HSRT 444 Case Management in Respiratory Care (4)**  
Training focused on educating patients and families, training patients on self-management tools and transitioning patients from acute care to outpatient management. Studies in patient education, home equipment needs, oxygen assessment, medication management and activities of daily living. Prerequisite(s): Permission from the Program Director.



**HSRT 453**

**Cardiopulmonary Technology**

**(5)**

Pulmonary function testing procedures and interpretation; study of equipment and standards used in pulmonary testing. Three hours of lecture and four hours of laboratory per week. Prerequisite: Consent of the Program Director.

**HSRT 454**

**Critical Care and Internship**

**(5)**

Comprehensive study of advanced procedures, therapeutic modalities, decision making, and quality control for the practicing respiratory therapist. Three hours of lecture and 16 hours of laboratory per week. Prerequisites: Completion of all other professional HSRT courses and consent of the Program Director.

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE IN RESPIRATORY THERAPY**  
**TOTAL CREDITS REQUIRED: 138**  
**Accredited by (CoARC) Committee on Accreditation for Respiratory Care**

CORE CURRICULUM (STANDARD)*		MAJOR* (RESPIRATORY THERAPY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		81 credits	15 credits	0 credits
<b><u>Communication:</u></b>		HSRT 231 (3)	BIOL 245 (4)	
ENG 131 (3)**	ENGL 1301	HSRT 233 (2)	BIOL 246 (4)	
ENG 132 (3)	ENGL 1302	HSRT 234 (2)	HSCR 260 (3)	
<b><u>Mathematics:</u></b>		HSRT 240 (5)	HSCR 360 (3)	
MATH 133 (3)	MATH 1314	HSRT 242 (4)	FS 102 (1)	
<b><u>Life and physical sciences:</u></b>		HSRT 301 (1)		
CHEM 131 (3)	CHEM 1311	HSRT 330 (3)		
PHYS 237 (3)	PHYS 1301	HSRT 331 (3)		
<b><u>Language, philosophy, and culture:</u></b>		HSRT 332 (3)		
ENG 2xx (3) ***		HSRT 333 (3)		
<b><u>Creative arts:</u></b>		HSRT 334 (3)		
Visual and Performing Arts (3)****		HSRT 340 (3)		
<b><u>American history:</u></b>		HSRT 360 (6)		
HIST 231 (3)	HIST 1301	HSRT 361 (4)		
HIST 232 (3)	HIST 1302	HSRT 407 (1)		
<b><u>Government/political science:</u></b>		HSRT 420 (2)		
POLS 235 (3)	GOVT 2305	HSRT 432 (3)		
POLS 236 (3)	GOVT 2306	HSRT 436 (3)		
<b><u>Social and behavioral sciences:</u></b>		HSRT 437 (3)		
Social and Behavioral Sciences (3)*****		HSRT 438 (3)		
<b><u>Institutional Options:</u></b>		HSRT 439 (3)		
SC 233 (3) or SC 135 (3) or 136 (3)	SPCH 1321 or SPCH 1315	HSRT 440 (4)		
CS 116 (3)	COSC 1301	HSRT 444 (4)		
		HSRT 453 (5)		
		HSRT 454 (5)		

\*Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* Select from the following courses: THEA 130, MUSI 136, MUSI 239, ART 135, or ART 137 (TCCN: DRAM 1310, MUSI 1306, HUMA 1315, HUMA 2323, ARTS 1301).

\*\*\*\*\*Select from the following courses: PSY 131, ECON 231, ECON 232, SOC 157, SOC 158, SOC 221 and SOC 238.

## BACHELOR OF SCIENCE DEGREE IN RESPIRATORY THERAPY

**DEGREE PLAN – TOTAL CREDITS: 138**

**ACCREDITED BY (COARC) COMMITTEE ON ACCREDITATION FOR RESPIRATORY CARE**

	FIRST SEMESTER		SECOND SEMESTER	
<b>First Year</b>	CS 116 Intro to Computer Science	3	CHEM 131 General Chemistry Lec	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra	3	BIOL 245 Human A&P (with lab)	4
	Visual & Performing Arts*	3	SC 233 Speech for Health Professionals***	3
	PSY 131 General Psychology	3		
	FS 102 Freshman Seminar	1		
		<b>16 Hrs</b>		<b>13 Hrs</b>
	<b>SUMMER 1 SEMESTER ONE</b>		<b>SUMMER 1 SEMESTER TWO</b>	
<b>Summer</b>	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
		<b>3 Hrs</b>		<b>3 Hrs</b>
	<b>THIRD SEMESTER</b>		<b>FOURTH SEMESTER</b>	
<b>Second Year</b>	ENG 230 or 244 Level English Literature	3	HSRT 240 RT Clinical Practicum I	5
	POLS 235 American Political Systems I	3	HSRT 233 Intro to Respiratory Therapy	2
	PHYS 237 General Physics for Life Sciences (no lab required)	3	HSRT 231 Cardiopulmonary Systems	3
	BIOL 246 Microbiology for Health Related Professions (with lab)***	4	POLS 236 American Political Systems II	3
			HSCR 260 Biomedical Ethics	3
	<b>13 Hrs</b>		<b>16 Hrs</b>	
	<b>SUMMER 2 SEMESTER ONE</b>		<b>SUMMER 2 SEMESTER TWO</b>	
<b>Summer</b>	HSRT 242 Clinical Practicum II	4		
	HSRT 234 Intermediate Clinical Applications	2		
		<b>6 Hrs</b>		<b>0 Hrs</b>
	<b>FIFTH SEMESTER</b>		<b>SIXTH SEMESTER</b>	
<b>Third Year</b>	HSRT 360 Clinical Practicum III	6	HSRT 301 Respiratory Care Seminar	1
	HSRT 330 Applied Procedures and Equipment I	3	HSRT 361 Clinical Practicum IV	4
	HSRT 331 Theoretical and Applied Respiratory Therapy	3	HSRT 332 Applied Procedures & Equipment II	3
	HSRT 334 Respiratory Care Pharmacotherapy	3	HSCR 360 Principles of Disease	3
	HSRT 340 Neonatal & Pediatric Respiratory Care	3	HSRT 333 Cardiopulmonary Diseases	3
	<b>18 Hrs</b>		<b>14 Hrs</b>	

Summer	SUMMER 3 SEMESTER ONE		SUMMER 3 SEMESTER TWO	
	HSRT 407 TMC Comprehensive Review Seminar	1		
	HSRT 454 Critical Care & Internship	5		
	HSRT 420 Comprehensive Respiratory Care	2		
	<b>8 Hrs</b>		<b>0 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	HSRT 432 Healthcare Leadership	3	HSRT 444 Case Management in Respiratory Care	4
	HSRT 437 Current Issues and Trends in Respiratory Care	3	HSRT 439 ACLS	3
	HSRT 440 Respiratory Therapy Management I	4	HSRT 453 Cardiopulmonary Tech	5
	HSRT 436 Introduction to Respiratory Research	3	HSRT 438 Statistics in Respiratory Care	3
		<b>13 Hrs</b>		<b>15 Hrs</b>

\* Either one of the following: THEA 130, MUSI 136, MUSI 239, ART 135, or ART 137 (TCCN: DRAM 1310, MUSI 1306, HUMA 1315, HUMA 2323, ARTS 1301).

\*\* Course taken as advised

Progression Essentials: (see TSU Undergraduate Catalog, COPHS Student Handbook and Program Handbook)

- For repeat courses, the last grade earned is used to determine GPA and graduation eligibility.
- COPHS applicants for graduation shall have completed all courses in the professional curriculum with a grade of "C" or better.
- **Students are expected to accept full responsibility for their program of study including satisfactory completion of requirements.**

\*\*\*Course substitutions are permitted only as indicated in the University bulletin or as below.

Listed Courses	Substituted Courses
SC 233	SC 135 or 136
BIOL 245	BIOL 135 & 136 in sequence with labs
BIOL 246	BIOL 347

Applications for admittance to the program professional phase are processed and finalized each fall. Students are admitted into the program professional phase each spring semester. The application process is competitive and based on (1) cumulative G.P.A. of 2.5 or better and (2) quantitative and qualitative completion of curriculum prerequisite courses.

## PHARMACY PRACTICE AND CLINICAL HEALTH SCIENCES

The Department of Pharmacy Practice and Clinical Health Sciences, along with the Department of Pharmaceutical and Environmental Health Sciences, offers courses leading to the Doctor of Pharmacy degree. The Doctor of Pharmacy (Pharm.D.) is a six-year program requiring two years of study at the pre-professional (pre-pharmacy) level and four years of study at the professional level. Courses offered through this department include pharmacotherapy and disease processes, community and hospital/institutional Pharmacy Practice and Clinical Health Sciences and other professional Pharmacy Practice and Clinical Health Sciences experiences in drug information and retrieval, pharmacy administration and jurisprudence and clinical research.

Members of the Department of Pharmacy Practice and Clinical Health Sciences are housed in Nabrit Sciences. The Department Office is located in Nabrit Science, Room 138. The Department supports the primary mission of the College to produce quality health care professionals, particularly minorities who are competent in health care delivery including the provision of patient-centered care and other health care services and programs.

Courses offered through this department are described below. In addition, a summary of the requirements for the entry-level Pharm.D. degree is provided along with an indication of the sequence in which discipline-specific courses and their prerequisites and co-requisites should be taken.

**Students should refer to admission policies, formative, summative, comprehensive and other examination and important information, regarding the completion of the Doctor of Pharmacy degree under the College of Pharmacy and Health Sciences introductory section of this publication.**

The Department of Pharmacy Practice and Clinical Health Sciences also offers baccalaureate or undergraduate degrees: **the Bachelor of Science (B.S.) in Clinical Laboratory Science, and the Bachelor of Science (B.S.) in Respiratory Therapy.**

The **Clinical Laboratory Science (formerly Medical Technology)** Program provides graduates with the technical and administrative skills required for the effective delivery of health care services consistent with the practices and standards of Clinical Laboratory Science. Graduates are prepared and qualified to perform evaluations of testing techniques, procedures, and personnel; to perform analytical testing of body samples; and to resolve discrepancies with the interpretation of diagnostic laboratory patient data. Graduates also possess the capabilities needed for public education, as well as for planning and developing clinical laboratory facilities that meet the standards of accrediting and governmental regulatory agencies.

The **Respiratory Therapy Program** provides graduates with the technical and administrative skills for performing diagnostic evaluation, therapy, patient/family education, and public education in cases of cardiopulmonary dysfunction. Graduates have the skills to perform diagnostic activities such as obtaining and analyzing physiological specimens, interpreting physiological data, and performing sleep disorder studies. They also have the skills for administering therapy involving such techniques as the application and monitoring of mechanical ventilation, environmental control systems, artificial airway care, and cardiopulmonary rehabilitation. These graduates have the further capability of conducting patient/family education activities that promote knowledge of disease processes, medical therapy, and self-help as well as public education activities that focus on the promotion of cardiopulmonary wellness.

**Students should refer to program admission policies, comprehensive examination information, and other important information regarding the various B.S. degrees offered through this department within the College of Pharmacy and Health Sciences introductory**

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Abobo, Cyril V.</b>  <b>Professor</b>  <b>Pharmacy Practice</b>                      B.S., Texas Southern University                      Pharm.D., Florida A &amp; M University</p>	<p><b>Ajewole, Veronica B.</b>  <b>Assistant Professor</b>  <b>Pharmacy Practice</b>                      Pharm.D., Texas Southern University</p>
<p><b>Allen, Reginald</b>  <b>Instructor</b>  <b>Respiratory Therapy</b>                      B.S., M.Ed., Texas Southern University</p>	<p><b>Charles, Creaque</b>  <b>Assistant Professor</b>  <b>Pharmacy Practice</b>                      Pharm.D., Texas Southern University</p>
<p><b>Cheung, Lily Kung</b>  <b>Associate Professor</b>  <b>Pharmacy Practice</b>                      Pharm. D., Texas Southern University</p>	<p><b>Chui-Poon, Ivy</b>  <b>Professor</b>  <b>Pharmacy Practice</b>                      Pharm.D., University of Houston</p>
<p><b>Davis, Portia</b>  <b>Assistant Professor</b>  <b>Pharmacy Practice</b>                      Pharm.D, Texas Southern University</p>	<p><b>Eaton, Angie</b>  <b>Associate Professor</b>  <b>Pharmacy Practice</b>                      B.S., Southwest Texas State University                      Pharm.D., Texas Southern University</p>
<p><b>Estes, Flora</b>  <b>Associate Professor</b>  <b>Pharmacy Practice</b>                      Pharm. D., Texas Southern University</p>	<p><b>Hunter, Rodney</b>  <b>Assistant Professor</b>  <b>Pharmacy Practice</b>                      Pharm.D, Texas Southern University</p>
<p><b>Mills, Carmella</b>  <b>Instructor/Program Director</b>  <b>Clinical Laboratory Sciences</b>                      M.S., Bellarmine University</p>	<p><b>Ndefo, Uche Anadu</b>  <b>Associate Professor</b>  <b>Pharmacy Practice</b>                      Pharm.D., University of South Carolina</p>
<p><b>Osemene, Nora I.</b>  <b>Professor</b>  <b>Pharmacy Practice</b>                      BA., University of Iowa                      B.S., M.S., University of Houston                      Pharm.D., Texas Southern University</p>	<p><b>Taylor, Andrew</b>  <b>Instructor</b>  <b>Respiratory Therapy</b>                      B.S., M.S., Texas Southern University</p>
<p><b>Wang, Hongmei</b>  <b>Assistant Professor</b>  <b>Pharmacy Practice</b>                      Pharm.D., Texas Southern University                      Ph.D., University of Science and Technology of China</p>	<p><b>Yeldell, Victor</b>  <b>Instructor</b>  <b>Respiratory Therapy</b>                      B.S., Texas Southern University                      M.S., Mercer University</p>
<p><b>Zagaar, Mundar</b>  <b>Assistant Professor</b>  <b>Pharmacy Practice</b>                      Pharm.D., Ph.D., University of Houston</p>	

**CURRICULUM SUMMARY FOR THE DOCTOR OF PHARMACY**  
**DEGREE TOTAL CREDITS REQUIRED: 218**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (Pharmacy)	OTHER REQUIREMENTS
43 credits	EQUIVALENT	140 credits	35 credits
<b><u>Communication:</u></b>		PHAR 421 (2), PHAR 411 (1)	BIOL 111 (1)
ENG 131 (3) **	ENGL 1301	PHAR 433 (3), PHAR 413 (1)	BIOL 112 (1)
ENG 132 (3)	ENGL 1302	PHCH 441 (4), PADM 423 (2)	BIOL 131 (3)
<b><u>Mathematics</u></b>		PHAR 401 (1), PHAR 426 (2)	BIOL 132 (3)
MATH 231 (3)	MATH 1342	PHAR 404 (1)	BIOL 245 (4)
<b><u>Life and physical sciences:</u></b>		PHAR 422 (2), PHAR 412 (1)	BIOL 347 (4)
CHEM 131 (3)	CHEM 1311	PHAR 434 (3), PHAR 414 (1)	CHEM 211 (1), 231 (3)
CHEM 132 (3)	CHEM 1312	PHAR 442 (4), PHCH 410 (1)	CHEM 212 (1), 232 (3)
<b><u>Language, philosophy, and culture:</u></b>		PHAR 405 (1), PHAR 428 (2)	
ENG 2xx (3) ***			PHYS 213 (1)
<b><u>Creative arts:</u></b>		PHAR 520 (2), PADM 515 (1)	PHYS 237 (3)
Visual & Performing Arts (3) ****		PHAR 504 (4), PHAR 501 (1)	CHEM 111 (1)
<b><u>American history:</u></b>		PHAR 539 (3), PHAR 519 (1)	CHEM 112 (1)
HIST 231 (3)	HIST 1301	PHAR 530 (3), PHAR 526 (2)	FS 102 (1)
HIST 232 (3)	HIST 1302	PHAR 541 (4), PHAR 527 (1)	
<b><u>Government/political science:</u></b>		PHAR 523 (2), PHAR 503 (3)	
POLS 235 (3)	GOVT 2305	PHAR 505 (3), PHAR 529 (2)	<b>Professional Electives (4):</b>
POLS 236 (3)	GOVT 2306	PHAR 627 (2), PADM 630 (3)	SPAN 428 (3) ++
<b><u>Social and behavioral sciences:</u></b>		PHAR 637 (4), PHAR 638 (2)	PHAR 429 (2) ++
Social & Behavioral Sciences (3)*****		PHAR 620 (2), PADM 615 (1)	HSHA 332 (3) ++
<b><u>Institutional Options:</u></b>		PHAR 617 (1), PHAR 648 (4)	HSHA 434 (3) ++
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	PHAR 639 (3), PHAR 628 (1)	
MATH 241 (4) *****		PHAR 621 (1), PADM 634 (3)	
		PADM 621 (2), PHAR 649 (2)	
		PHAR 716 (1), PHAR 717 (1)	
		PHAR 718 (1)	
		Advanced Pharmacy Practice Experiences (42 hrs)	

- \* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.
- \*\* (N) represents the number of course credits.
- \*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326).
- \*\*\*\* Select from the following courses: THEA 130, MUSI 136, MUSI 239, ART 135, or ART 137 (TCCN: DRAM 1310, MUSI 1306, HUMA 1315, HUMA 2323, ARTS 1301).
- \*\*\*\*\* Select from the following courses: PSY 131, ECON 231, ECON 232, SOC 157, SOC 158, SOC 221 and SOC 238.
- \*\*\*\*\* 4 hours will be accepted for transfer students. Students may still be required to complete their institution's required math sequence to qualify for Calculus if they do not qualify for the course upon admission. **TSU Math Sequence: MATH 133 and/or MATH 136 must be completed if student does not meet SAT/ACT or TSI Math scores to qualify for MATH 241 in their first semester (See advisor).**
- + Transfer students should contact pharmacy admissions office to request approved substitute course(s).
- ++ Elective courses. All students must complete at least four (4) semester credit hours of electives in the professional curriculum.
- +++ Recommended pre-pharmacy elective courses that are not requirements of the degree plan include: PHAR 111, PHAR 112, PHAR 211, PHAR 212.
- ++++ Physics 237 and lab 213: 4 hours will be required for all pre-pharmacy students.
- +++++ Microbiology: BIOL 246 (BIOL 2420 or 2421) will be accepted from two-year institutions.

**DOCTOR OF PHARMACY DEGREE PLAN**  
**DEGREE PLAN TOTAL CREDITS: 218**

Freshman Year	FIRST SEMESTER		SECOND SEMESTER	
	BIOL 111 Biological Science Laboratory I	1	BIOL 112 Biological Science Laboratory II	1
	BIOL 131 Biological Science I	3	BIOL 132 Biological Science II	3
	CHEM 111 General Chemistry I Laboratory	1	CHEM 112 General Chemistry II Laboratory	1
	CHEM 131 General Chemistry I	3	CHEM 132 General Chemistry II	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	FS 102 Freshman Seminar	1	HIST 231 Social and Political History of the United States to 1877	3
	*** Pre-pharmacy elective		*MATH 241 Calculus and Analytic Geometry I	4
			*** Pre-pharmacy elective	
<b>Total Semester Credits</b>	<b>12 hrs</b>	<b>Total Semester Credits</b>	<b>18 hrs</b>	

**REQUIRED SUMMER SEMESTER<sup>1</sup>**

Summer	FIRST SEMESTER		SECOND SEMESTER	
	HIST 232 Social and Political History of the United States since 1877	3	POLS 235 American Government	3
	POLS 236 Texas Government	3	** Visual & Performing Arts	3
<b>Total Semester Credits</b>	<b>6 hrs</b>	<b>Total Semester Credits</b>	<b>6 hrs</b>	

Sophomore Year	THIRD SEMESTER		FOURTH SEMESTER	
	BIOL 245 Human Anatomy and Physiology	4	CHEM 212 Organic Chemistry II Laboratory	1
	CHEM 211 Organic Chemistry I Laboratory	1	CHEM 232 Organic Chemistry II, Lecture	3
	CHEM 231 Organic Chemistry I, Lecture	3	ENG 200 Level Literature	3
	PHYS 237 College Physics I	3	SC 135 or 136 Speech Communication	3
	PHYS 213 College Physics I Lab	1	BIOL 347 Microbiology	4
	MATH 231 Elementary Statistics	3	*** Pre-pharmacy elective	
	Social and Behavioral Sciences – PSY 131, ECON 231, SOC 157, 158, 221, 238	3		
	*** Pre-pharmacy elective			
<b>Total Semester Credits</b>	<b>18 hrs</b>	<b>Total Semester Credits</b>	<b>14 hrs</b>	



Third Year – First Professional Year	FALL SEMESTER		SPRING SEMESTER	
	PHAR 421 Pharmacy Practice I Professional Communication	2	PHAR 422 Pharmacy Practice II Dispensing of Medication	2
	PHAR 411 Pharmacy Practice I Lab	1	PHAR 412 Pharmacy Practice II Lab	1
	PHAR 433 Pharmaceutics I Pharmacy Calculations	3	PHAR 434 Pharmaceutics II Dosage Forms	3
	PHAR 413 Pharmaceutics I Lab	1	PHAR 414 Pharmaceutics II Lab	1
	PHCH 441 Biochemistry in Human Disease	4	PHAR 442 Evidence-Based Practice & Biostatistics	4
	PADM 423 Ethics in HealthCare	2	PHCH 410 Introduction to Medicinal Chemistry	1
	PHAR 401 Patient Assessment Laboratory	1	PHAR 428 Pharmacology	2
	PHAR 426 Pathophysiology	2	PHAR 405 Public Health II: Immunizations	1
	PHAR 404 Public Health I	1		
<b>Total Semester Credits</b>	<b>17 hrs</b>	<b>Total Semester Credits</b>	<b>15 hrs</b>	

Fourth Year - Second Professional Year	FALL SEMESTER		SPRING SEMESTER	
	PHAR 504 Pharmacotherapy IA Nervous System Disorders	4	PHAR 527 IPPE II: Community II	1
	PHAR 501 Pharmacotherapy IB Renal Disorders	1	PHAR 523 Pharmacy Practice III - OTC	2
	PADM 515 Professional Development Seminar I	1	PHAR 503 Pharmacotherapy IIA Endocrine System Disorders	3
	PHAR 539 Pharmaceutics III - Pharmacokinetics	3	PHAR 505 Pharmacotherapy IIB Cardiovascular System Disorders	3
	PHAR 519 Pharmaceutics III – Recitation	1	PHAR 529 Integrated Laboratory II	2
	PHAR 530 Principles of Drug Action I	3	PHAR 541 Principles of Drug Action II	4
	PHAR 520 Integrated Laboratory I	2	Elective	2
	PHAR 526 IPPE I : Community I	2		
<b>Total Semester Credits</b>	<b>17 hrs</b>	<b>Total Semester Credits</b>	<b>17 hrs</b>	

Fifth Year - Third Professional Year	FALL SEMESTER		SPRING SEMESTER	
	PHAR 627 IPPE III - HealthCare Systems	2	PHAR 649 Principles of Drug Action IV	2
	PHAR 637 Pharmacotherapy IIIA Immune System Disorders and Infectious Diseases	4	PHAR 638 Pharmacotherapy IIIB Respiratory System Disorders	2
	PHAR 620 Integrated Laboratory III	2	PHAR 639 Pharmacotherapy IV Gastrointestinal System Disorders	3
	PADM 615 Professional Development Seminar II	1	PHAR 621 Integrated Lab IV	1
	PHAR 648 Principles of Drug Action III	4	PHAR 628 IPPE IV – HealthCare Systems	1
	PHAR 617 Medication Therapy Management	1	PADM 621 Economic Clinical Humanistic Outcomes	2
	Elective	2	PADM 630 Pharmacy Practice Management	3
		PADM 634 Jurisprudence	3	
<b>Total Semester Credits</b>	<b>16 hrs</b>	<b>Total Semester Credits</b>	<b>17 hrs</b>	

**REQUIRED SUMMER TERM<sup>2</sup>**

Summer	FIRST SEMESTER		
	Advanced Pharmacy Practice Experience	12	
	PHAR 716 Research Seminar I	1	
	<b>Total Semester Credits</b>	<b>13 hrs</b>	

Sixth Year- Fourth Professional Year	FALL SEMESTER		SPRING SEMESTER	
	Advanced Pharmacy Practice Experience	18	Advanced Pharmacy Practice Experience	12
	PHAR 717 Research Seminar II	1	PHAR 718 Research Seminar III	1
	<b>Total Semester Credits</b>	<b>19 hrs</b>	<b>Total Semester Credits</b>	<b>13 hrs</b>

**Professional Electives:**

**Course Number**

SPAN 428 (3)  
 PHAR 429 (2)  
 HSHA 332 (3)  
 HSHA 434 (3)

**Course Title**

Spanish for Pharmacy and Health Sciences  
 Emergency Preparedness  
 Introduction to Community and Population Health  
 Legal & Ethical Aspects in Healthcare



## COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

## COLLEGE OF SCIENCE, ENGINEERING AND TECHNOLOGY

The College of Science, Engineering and Technology (COSET) at Texas Southern University consists of 10 departments: the Department of Aviation Science and Technology, the Department of Biology, the Department of Chemistry, the Department of Computer Science, the Department of Engineering, the Department of Environmental and Interdisciplinary Sciences, the Department of Industrial Technologies, the Department of Mathematics, the Department of Physics, and the Department of Transportation Studies. In serving students, these units allow the College to fulfill its mission; and through them, thirteen undergraduate and six graduate degrees are offered. For detailed information on the six graduate degrees, students are referred to the Graduate School Bulletin of Texas Southern University. A summary of the degrees and departments, by name, appears in the chart below:

<b>Department</b>	<b>Undergraduate Degrees</b>	<b>Graduate Degrees</b>
<b>Aviation Science and Technology</b>	Bachelor of Science in Aviation Science Management	None
<b>Biology</b>	Bachelor of Science in Biology	Master of Science in Biology
<b>Chemistry</b>	Bachelor of Science in Chemistry	Master of Science in Chemistry
<b>Computer Science</b>	Bachelor of Science in Computer Science	Master of Science in Computer Science
<b>Engineering</b>	Bachelor of Science in Civil Engineering Bachelor of Science in Electrical and Computer Engineering Bachelor of Science in Civil Engineering Technology Bachelor of Science in Computer Engineering Technology Bachelor of Science in Electronics Engineering Technology	None
<b>Environmental and Interdisciplinary Sciences</b>	None	Master of Science in Environmental Toxicology Doctor of Philosophy in Environmental Toxicology
<b>Industrial Technologies</b>	Bachelor of Science in Industrial Technology	None
<b>Mathematics</b>	Bachelor of Science in Mathematics	None
<b>Physics</b>	Bachelor of Science in Physics (through Texas Physics Consortium)	None
<b>Transportation Studies</b>	Bachelor of Science in Maritime Transportation Management and Security	Master of Science in Transportation Planning and Management

Administratively, COSET is headed by a Dean who is assisted by the Associate Dean of Academic Affairs, the Associate Dean of Administration and Development, and the Assistant Dean of Student Services and Instructional Support. Each of the ten departments is headed by a Department Chair who reports to the Dean. All administrative offices, classrooms, and research facilities for the College are primarily located in two facilities designated as follows: the Texas Southern University Science Center and the Leonard H. O. Spearman Technology Building.



## MISSION STATEMENT

The College of Science, Engineering and Technology at Texas Southern University is dedicated to integrating sciences and contemporary technologies, through education, scholarly activities, and community service, and meeting the needs of a diverse graduate and undergraduate student population while addressing critical urban issues within a global economy.

As an instructional agent of the University, COSET has an additional service mission as stated below: to provide students of varied scholastic levels access to higher education by providing the academic foundations necessary for accessing educational programs at the University; and to prepare competent professionals and leaders capable of providing effective service and developing solutions to the problems of the nation and the world, especially in urban environs.

In pursuing its missions, the College embraces the following goals: provide high quality instruction; perform basic and applied research; engage in community service; optimize enrollment of college-ready undergraduate students and enhance graduate student enrollment; strive for steady increase in external funding; and ensure that the College's administrative units function effectively and efficiently so that they support the mission of the College and the University.

## ACCREDITATION

All programs in the College are accredited by the Commission on Colleges of the Southern Association of Colleges and Schools, but some programs have national disciplinary accreditation as well. The Chemistry program is certified by the American Chemical Society. The Electronics Engineering Technology Program in the Department of Engineering is accredited by the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (ETAC of ABET). The undergraduate programs in the Department of Industrial Technologies are accredited by the Association of Technology, Management, and Applied Engineering (ATMAE). The Aviation Science Management program in the Department of Aviation Science and Technology is accredited by ATMAE. The undergraduate flight concentration in the Department of Aviation Science and Technology is recognized by the Federal Aviation Administration, under Federal Aviation Regulation, Code of Federal Regulations Part 141.

## ADMISSION POLICIES

Students (either new or transfer) wishing to enroll in one of the programs of study leading to one of the 11 undergraduate degrees offered through COSET must first gain admission to Texas Southern University through policies and procedures established by the University Director of Admissions. Once admitted, students are required to contact the University Testing Center for advisement regarding the fulfillment of the TSI assessment requirements, and the department of choice in the College for additional advisement. Students may not officially declare majors until the TSI assessment requirement has been fulfilled and identified deficiencies have been eradicated. However, they are eligible to enroll in some selected courses offered through the 10 departments in the College once admitted. The 10 department offices provide advisement upon request related to courses available to students who are not yet eligible to declare majors in the College.

Once admitted, or while applying for admission, students who need financial aid or assistance should contact the **Office of Student Financial Assistance at the University**. In addition, some competitive scholarships may be available to students through the College. Students earning GPA's of approximately 3.00 or higher (out of 4.00) may inquire about making application for these scholarships through one of the ten department offices or the Dean's Office.

Former students in the College who were enrolled for credit within the year prior to registration are not required to apply for readmission. However, students who last attended one year or more, prior to registration, are required to file applications for readmission and submit transcripts from all colleges attended since their last enrollment at Texas Southern University.

## ACADEMIC STANDARDS POLICY

The College of Science, Engineering and Technology has set minimum standards that a student must achieve to remain in good academic standing. In general, these standards are reflective of those established by the University and are as follows: the minimum GPA required by the University for awarding the baccalaureate degree is 2.00 for all credit work taken by the student as part of an approved program of study. The GPA is computed by dividing the total number of quality points earned by the total number of GPA hours (See "Grading System", University Catalog), except for credit hours in courses for which the student received a "W" or "I". For any repeated course, the grade earned only in the last attempt is used in the GPA calculation. The academic standing is determined at the end of each semester based on the institutional cumulative GPA at the end of that semester as well as the GPA earned during the

semester. Good Academic Standing: A student who maintains an institutional cumulative GPA of 2.00 or higher is in good academic standing.

### **Academic Probation**

Students who start the semester in good academic standing but fail to maintain an institutional cumulative GPA of 2.00 or higher at the end of the semester, will be placed on Academic Probation for the following semester. Students on probation may be removed from Academic Probation at the end of the semester if they earn a cumulative GPA of 2.00 or higher. Students who fail to bring their cumulative GPA to 2.00 or higher at the end of the semester will be placed on Suspension. However, a student on Academic Probation will be considered in good academic standing and will not be suspended at the end of any semester during which a semester GPA of 2.25 or higher has been earned.

Students on Academic Probation:

- May not register for more than 15 semester credit hours.
- MUST seek advisement in the office of their major department.
- Must complete an Academic Monitoring Form with their academic advisor and must receive approval from the Chair of their major department.
- Must get advisement in their home (major) department before they will be allowed to enroll.

After advisement in their home department, the student enrollment request, and maximum hours allowed is reported to the Office of Student Services and Instructional Support. The student must report to the Office of Student Services and Instructional Support in the Leonard Spearman Technology Building, room 150 for academic monitoring.

### **Suspension**

Students on Academic Probation at the beginning of the semester are suspended if they fail to bring their cumulative GPA to 2.00 or higher by the end of the semester unless they earn a semester GPA of 2.25 or higher. Additionally, any student enrolled in nine or more credit hours and who earns an “F” in all classes will be suspended from the University.

A. The first academic suspension is for a period of at least one long semester (fall or spring). Students placed on academic suspension at the end of a fall semester are suspended for the following spring and are not eligible to re-enroll until the following summer. Students placed on academic suspension at the end of a spring semester are suspended for the following fall and are not eligible to re-enroll until the following spring. Students placed on academic suspension at the end of a summer semester are suspended for the following fall and are not eligible to re-enroll until the following spring.

B. Any suspension after the first one will be for a period of one year. At the end of the suspension period, students will need to apply for re-admission to the University provided they can show evidence of increased academic maturity as explained below.

C. While on academic suspension, the student must enroll in another institution of higher learning and show evidence of academic maturity at the end of the suspension period. Such evidence may be grades from courses taken at that institution. Military service and associated courses / training may also be used as evidence of maturity. The following are evidence of academic maturity based on the suspension period:

- Academic maturity evidence for one semester suspension: Completion of 12 credit hours or more in courses that are not repeats of courses previously taken at TSU and a GPA of 2.5 or higher at the end of the enrollment period.
- Academic maturity evidence for one year suspension: Completion of 24 credit hours or more in courses that are not repeats of courses previously taken at TSU and a GPA of 2.5 or higher at the end of the enrollment period.

## **Academic Suspension and Appeal**

Faculty and staff are committed to helping students achieve their academic goals. Nevertheless, some students fail to maintain an adequate grade point average and are academically suspended. Students who believe that extenuating circumstances contributed to their suspension may appeal their case to the University's Committee on Suspension and Readmission. To appeal, students must explain those circumstances in a letter submitted to the committee immediately after receiving notification of suspension. (See also "Grade Appeal, Retention Standards, and Academic Probation" in the Undergraduate Catalog)

## **Readmission from Academic Suspension**

Only the Dean of the college may readmit students on academic suspension from Texas Southern University. Readmission from academic suspension is neither automatic nor guaranteed. Students seeking readmission must submit the following to the dean of the college or school in which they wish to earn their degrees:

- A written petition justifying their readiness to resume their studies at the University.
- Official transcripts showing at least a 2.50 GPA (with no course having a grade below C) on all college work completed elsewhere while on academic suspension from Texas Southern University.
- Transcripts of all other completed college work.
- Students seeking to change their majors from the college from which they were suspended to another college must submit a "change of major" request along with a petition for readmission from academic suspension to the college of the intended major.

In the College of Science, Engineering and Technology, the process is as follows. The major advisor will complete an academic monitoring form and make a recommendation to the Department Chair. The Department Chair will review all documentation and make a recommendation to the Office of Student Services and Instructional Support. All documentation will be forwarded to the Office of Student Services and Instructional Support for final consideration. The suspended student will be notified in writing of the decision. Students allowed to return from suspension will be admitted under probationary status. After advisement in their home department, the student enrollment request, and maximum hours allowed is reported to the Office of Student Services. The student must report to Office of Student Services and Instructional Support, room 150 of the Leonard Spearman Technology Building for academic monitoring.

Departments may have additional policies and procedures pertaining to readmission from academic suspension; therefore, students seeking readmission should consult the appropriate college section in the undergraduate catalog or request information from the office of the Department Chair for specific departmental requirements. When re-admitted, the student will enter the College with probationary status. Another suspension at the end of the semester of re-admission may be avoided by achieving the minimum cumulative average according to the standards above.

NOTE: Each department may adopt its own set of "Academic Progression Standards" to address the particular academic needs of its students. These standards, however, may be higher than the standards of the College, as set out above, but they may not be lower.

## **GENERAL COLLEGE POLICIES**

1. All students enrolled in the College of Science, Engineering and Technology are required to follow the sequence of courses outlined in their respective degree plans.
2. Students may not enroll in required advanced courses without satisfactorily completing the prerequisites for these courses whether they are offered through the College or through other colleges or schools at the University.
3. Students earning undergraduate degrees from the College may or may not be required to declare a minor; hence, the respective departmental information describing the various degrees should be consulted regarding this matter.
4. For all undergraduate programs offered through the College, a common core of courses (interdisciplinary in nature) is required for completion of the respective degree requirements.
5. Students may be required to pass a comprehensive exit examination prior to graduation.
6. All students enrolled in the College are encouraged to secure either cooperative education or internship positions prior to graduation. Further information on these positions may be obtained from either the Office of the Dean of the College of Science, Engineering and Technology or the University Career Planning and Placement Center.

## STUDENT ORGANIZATIONS

Student participation in a number of professional organizations and societies having student affiliated chapters on campus is encouraged. The principle organizations operating in the College are listed below:

- American Association of Airport Executives (AAAE)
- American Society of Civil Engineers (ASCE)
- American Chemical Society Student Chapter (ACS)
- American Design Drafting Association (ADDA)
- Associated General Contractors Student Chapter (AGC)
- Beta Beta Beta Biological Honor Society
- Beta Kappa Chi Scientific Honor Society
- Biology Undergraduate Student Association
- Chinese Students and Scholars Association (CSSA)
- Conference of Minority Transportation Officials (COMTO)
- Cyber Internet Security Student Association
- Environmental Student Club (ESC)
- Environmental Toxicology Graduate Students Association (ETGSA)
- Health Occupations Students of America (HOSA)
- Institute of Transportation Engineers (ITE)
- Intelligent Transportation Society of Texas (ITSA), TSU Student Chapter
- Minority Association of Pre-Medical Students (M.A.P.S.)
- Mobil Application Development (MAD) Group
- National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE)
- National Society of Black Engineers (NSBE) Student Chapter
- National Technical Association (NTA) TSU Student Chapter
- Society of Urban Mathematics (SUM)
- Society of Physics Students (SPS)
- Texas Southern Computing Society (TSCS)
- Texas Southern University Chemistry Club
- Texas Southern University Pre-Nursing Association
- Texas Southern University Maritime Student Association
- Texas Southern University Student Chapter of Society of Environmental Toxicology and Chemistry (SETAC)
- Texas Southern University Society of Young Engineers (SYE)
- The Construction Club
- The National Association of Minority Contractors (NAMC)
- Women in Aviation International, TSU Maroon Tails Chapter

Students should seek additional information on these organizations through the Office of the Dean or through the Department offices in the College.

### RIGHT TO MODIFY

The information contained in this bulletin is considered to be descriptive in nature and not contractual. The University reserves the right to change any policy or requirement at any time during the time that students are enrolled. Courses are also subject to change.



## DEPARTMENT OF AVIATION SCIENCE AND TECHNOLOGY

The mission of the Department of Aviation Science and Technology is to prepare students with the foundational knowledge required to develop and function as aviation professionals. Specifically, our mission is to prepare our majors with the base knowledge and skills for graduate study and entering the workforce as entry level aviation professions. The Department offers a Bachelor of Science degree in Aviation Science Management with two concentrations: (1) Management and (2) Professional Pilot.

The Aviation Science Management Degree provides a strong foundation for a career as a manager in the aviation infrastructure. The curriculum provides skills in management, communications, and research to prepare students for leadership positions in the field of aviation management. The last two years of matriculation include extensive professional-level Aviation Science Technology and Management courses whereby students shall develop critical thinking and problem solving skills. The degree in Aviation Science Management is accredited by the Association of Technology, Management, and Applied Engineering (ATMAE).

The Aviation Science Management Degree with the Professional Pilot Concentration leads to accomplishment of an academic degree and a professional pilot license, providing opportunities for employment in the aviation industry for graduates. The degree with flight concentration is designed to prepare students for several career options that include: private pilot, professional pilot, and certified flight instructor. The flight concentration is a Federal Aviation Administration Part 141-approved program.

Former military must submit a copy of their DD214 form to the Texas Southern University Office of Veteran Affairs in order to receive academic credit for military courses recommended by the American Council on Education. Students with prior Aviation flight training must present certification to the department Chair for credit evaluation. Individuals possessing a private pilot, commercial, and instrument license can receive credit for flight training upon evaluation by the department chair. Transfer of credit from another institution to Texas Southern University involves consideration of accreditation, comparability of course work, and applicability of that course work to a degree program at the University.

### **Degree Requirements**

The Bachelor of Science (B.S.) degree in Aviation Science Management is earned by the successful completion of a 120 credit hours (minimum) including 44 hours of general education core courses and other courses as established by Texas Southern University and approved by the Texas Higher Education Coordinating Board, 76 hours of courses as defined by the department of Aviation Science and Technology. All coursework representing the 76 hours of courses as defined by the Department of Aviation Science and Technology leading to the B.S. Degree in Aviation Science Management must be earned with a grade of “C” or better, where grades of “C-“ or below are unacceptable. For a minor in Aviation Science Management, twenty-one (21) semester hours are required. Students pursuing a minor in Aviation Science Management must have a grade point average of 2.50 or better and visit with the Department Chair prior to enrolling in courses.

For further information, please contact the department of Aviation Science and Technology at (713) 313-1846 or come to Room 301 of the Spearman Technology Building.

## LIST OF FACULTY IN THE DEPARTMENT

<p><b>Qi, Yi</b>  <b>Department Chair, Professor</b>          B.S., M.S., East China Normal University, Shanghai          M.S., Polytechnic University of New York          Ph.D., Polytechnic University of New York</p>	<p><b>Hall, Tasjah, M.S.</b>  <b>Instructor</b>          B.S., Texas Southern University          M.S., Texas Southern University</p>
<p><b>Dr. Terence H. Fontaine, ATP, A&amp;P</b>  <b>Director of Aviation</b>          B.S., Southern Illinois University          MBA, University of Houston          Ed.D., Texas Southern University</p>	<p><b>Papanicolaou, Constantinos</b>  <b>Instructor, Chief Pilot</b>          B.S., University of Houston          CFI, CFII, MEI</p>
<p><b>Baker, Vernon J., M.S.</b>  <b>Instructor</b>          B.S., Texas Southern University          M.S., Texas Southern University</p>	<p><b>Pataky, Edward, M.S.</b>  <b>Instructor, Assistant Chief Pilot</b>          B.S., University of Houston          M.A., University of Houston          M.S., Economics, Texas A&amp;M University          CFI, CFII, MEI</p>
<p><b>Booker, Edward L., M.S.</b>  <b>Instructor</b>          B.S., Texas Southern University          M.S., Texas Southern University</p>	

## DEPARTMENT OF AVIATION SCIENCE AND TECHNOLOGY

### COURSE DESCRIPTIONS

- AVST 101**                    **Introduction to Aviation**                    **(3)**  
The course covers a brief historical review of early aviation, the freedom and the power of flight from the 15th. Century drawings and manuscripts of Leonardo de Vinci to modern times, discussing the fundamentals of flight and aeronautical technology, and an introduction to aircraft systems and operations. The dynamics of safety of flight, human factors, interpreting aeronautical graphic representation, introductory navigation, air traffic control and airspace, and aviation weather aspects are topics of discussion. Three hours of lecture per week.
- AVST 102**                    **Aviation History**                    **(3)**  
This course covers an overview of aviation history with a focus on the United States. Additionally, the course will discuss the origin of aircraft equipment. Three hours of lecture per week.
- AVST 103**                    **Private Pilot Ground**                    **(3)**  
Private pilot ground covers the cockpit instruments and system, fundamentals of flight, aircraft performance charts, and cross country planning. Three hours of lecture per week.
- AVST 105**                    **Private Pilot Flight**                    **(3)**  
This course prepares the student for the FAA Private Pilot Practical Examination. Successful completion of this course will permit the student to perform as a pilot in command of single engine aircraft transport of passengers or property; excluding fees or employment. Three hours of lecture per week. FAA approved. Prerequisite: AVST 103, Co-requisite: AV S T 105L
- AVST 105L**                    **Private Pilot Flight Lab**                    **(3)**  
Practical application of aeronautical skills in a laboratory setting. Three hours of laboratory per week. Prerequisite: AVST 103. Co-requisite: AVST 105.
- AVST 113**                    **Introductions to Flight**                    **(3)**  
Introduction to Flight covers the fundamentals of flight. Three hours of lecture per week. Three hours of lecture per week. Co-requisite: AVST 113L
- AVST 113L**                    **Introduction to Flight Lab**                    **(1)**  
Practical application of aeronautical skills in a laboratory setting. Two hours of lab per week Co- requisite: AVST 113.
- AVST 120**                    **Transportation Survey**                    **(3)**  
Transportation systems and their impact on society. Standard research practices will be introduced. Three hours of lecture per week.
- AVST 200**                    **Basics of Communications**                    **(3)**  
In accordance with FAA orders 7110.65 and 7110.10, the student will identify basic radio and interphone communications, ICAO phonetics, numbers usage, basic phraseology, coordination procedures, purpose and steps of the position relief briefing. Three hours of lecture per week.

<b>AVST 201</b>	<b>Flight Meteorology</b>	<b>(3)</b>
	This course provides a detailed knowledge of the environmental factors critical to safe flight operations. The course covers weather systems, upper-air characteristics, flight hazards, weather-related topics in flight safety, meteorological flight planning, use of weather information systems, and the reports and charts used for aviation weather reporting and forecasting. Survey of atmospheric and weather-related phenomena and their impact on flight operations, including the interface of airmen and flight service stations. Three hours of lecture per week. Prerequisite: AVST 105, AVST 105L	
<b>AVST 214</b>	<b>Introduction to Homeland Security</b>	<b>(3)</b>
	This course provides a survey of historical events, practices, and policies of the emergency management system in the aviation industry. Three hours of lecture per week. Prerequisite: AVST 101, AVST 371	
<b>AVST 218</b>	<b>Instrument Ground</b>	<b>(3)</b>
	The course is designed to prepare students to successfully complete the FAA Instrument Knowledge Test. Topics of the course include FARs and AIM, ATC system and procedures, IFR navigation and approaches, enroute and instrument approach charts, weather, safe and efficient aircraft operations, and CRM. Three hours of lecture per week. Prerequisite: AVST 103, AVST 105 Co requisite: AVST 218L	
<b>AVST218L</b>	<b>Instrument Flight</b>	<b>(1)</b>
	Students will attain the knowledge and skill necessary for Instrument ground and flight rating and exercise the privileges of the rating. Completion of the FAA knowledge exam is necessary for this rating. Prerequisite: AVST103, AVST 105, Co requisite: AVST 218	
<b>AVST 305</b>	<b>Fundamentals of Avionics</b>	<b>(3)</b>
	Understanding the principle of theory, and technology of modern avionics systems. Mathematical and conceptual approaches for various subsystems including, but not limited to sensory, display, navigation, air data, autopilots, and flight management are examined individually and as an integrated whole.	
<b>AVST 310</b>	<b>Airport Emergency Planning and Mitigation</b>	<b>(3)</b>
	Provides foundation knowledge and develops skills in emergency planning, hazard mitigation, and incident management in aviation environments. Three hours of lecture per week. Prerequisite: AVST 371	
<b>AVST 312</b>	<b>Commercial Pilot Certification</b>	<b>(3)</b>
	Successful completion of the course will certify the pilot to perform as a pilot in command of single engine aircraft and hired and compensated. Course includes advanced aerodynamics, aircraft performance, precision maneuvers, extended cross-country and night flight, FAA regulations, and an introduction to advanced systems of highly developed futuristic aircraft. FAA approved. Three hours of lecture per week. Prerequisite: AVST 218, AVST 218L.	
<b>AVST 312L</b>	<b>Commercial Pilot Certification Lab</b>	<b>(1)</b>
	Laboratory course providing students opportunities to learn the advanced aerodynamics, aircraft performance, precision maneuvers, extended cross-country, night flight, and FAA regulations.	

<b>AVST313</b>	<b>International Flight Theory</b>	<b>(3)</b>
	This course provides descriptions and familiarization of large transport category aircraft and their on-board systems from electrical power systems to oxygen systems, to communication systems, and beyond. This course also contains general information and guidance for operators planning oceanic flights, including authorizations needed for operations outside the continental United States. This includes Special Areas of Operation (SAO) such as North Atlantic Minimum Navigation Performance Specifications (NAT/MNPS), Reduced Vertical Separation Minimums (RVSM), Area Navigation (RNAV), and Required Navigation Performance (RNP) airspace. Pre-requisite: AVST 312	
<b>AVST315</b>	<b>Multi- Engine Rating</b>	<b>(3)</b>
	This course is designed to prepare the student for the FAA Multiengine Rating Practical Examination. Successful completion of this course will permit the student to operate as a pilot in command of a multiengine airplane. FAA Approved. Three hours of lecture per week. Prerequisite: AVST 312.	
<b>AVST 315L</b>	<b>Multi-Engine Rating Lab</b>	<b>(1)</b>
	Provides the student with the flight time and instruction to complete all maneuvers and operations required in preparation to earn the Federal Aviation Administration (FAA) Multiengine Airplane Class Rating. Co-requisite: AVST 315.	
<b>AVST321</b>	<b>Air Traffic Control</b>	<b>(3)</b>
	This course provides an overview of the development and application of Air Traffic Control (ATC) separation standards and procedures for the control of instrument flight in controlled airspace. A study of the national air traffic control system is discussed with an emphasis on basic air traffic control procedures; the roles of Center, Approach Control, Tower, and Flight Service Station. Includes communications, navigation procedures, radar operations, and facilities. Three hours lecture per week. Co-requisite: AVST 321L	
<b>AVST 321L</b>	<b>Air Traffic Control Lab</b>	<b>(1)</b>
	Practical application of air traffic control skills in a laboratory setting. Two hours of laboratory per week. Co-requisite: AVST 321.	
<b>AVST 345</b>	<b>Principles of Aviation Property</b>	<b>(3)</b>
	Study of the processes of planning, organizing, directing, and controlling aviation property at Fixed Based operations. Three hours of lecture per week. Prerequisite: AVST 371	
<b>AVST351</b>	<b>Aviation Law</b>	<b>(3)</b>
	Chronological development of aviation law, federal and state regulatory functions, rights and liabilities of aviators, commercial air carrier operations, and the traveling public. Includes FAA regulations and directives governing airport operations, air carrier safety, and aviation security. Three hours of lecture per week.	
<b>AVST 371</b>	<b>Airport Management</b>	<b>(3)</b>
	Origin of early legislation shaping development of present National Airport System; procedures for financing airport construction, phases of airport master planning, daily operations, and contractual provisions governing the operations of an airline. Three hours of lecture per week.	
<b>AVST 352</b>	<b>Aviation Business Organization Management</b>	<b>(3)</b>
	A study of the role of business operations and techniques at small and large airports. Three hours of lecture per week. Prerequisite: AVST 371	

<b>AVST 380</b>	<b>Certified Flight Instructor - Airplane</b> A study of the fundamentals of air plane flight instruction involving educational principles of the learning and teaching process, communication, teaching methods, critiquing, evaluating, and planning instruction activity. Pre-requisite: AVST 315.	<b>(3)</b>
<b>AVST 380L</b>	<b>Certified Flight Instructor – Airplane Lab</b> Provides the student with the flight time & instruction to demonstrate, teach, and evaluate their performance in all maneuvers and operations required to earn the Private Pilot and Commercial Pilot Certificates.	<b>(1)</b>
<b>AVST 381</b>	<b>Air Carrier Management</b> Historical development of U.S. trunk carrier operations and regulatory interfaces with the federal government, International Civil Aviation Organization (ICAO), and the International Air Transport Association (IATA). Three hours of lecture per week.	<b>(3)</b>
<b>AVST 400</b>	<b>Certified Flight Instructor – Instrument</b> Academic studies in preparation for the FAA written and oral examinations for the CFI Instruments Certificate. Information covered includes a review of aeronautical skill and the body of knowledge required of an Instrument rated pilot, and methods of imparting this knowledge to students. Pre-requisite: AVST 315. Co-requisite AVST 400L	<b>(3)</b>
<b>AVST 400L</b>	<b>Certified Flight Instructor – Instrument Lab</b> Flight time and instruction to demonstrate, teach, and evaluate performance of students in all maneuvers and operations required to earn the FAA Instrument Rating. The student will be prepared for the administration of the oral and practical examinations administered by the FAA. Pre-requisite: AVST 315. Co-requisite AVST 400	<b>(1)</b>
<b>AVST 401</b>	<b>Advanced Aerodynamics</b> Advanced theories of flight and flight factors, including airfoil shape, drag velocity, lift and thrust, stability and control; advanced principles of performance, including capabilities and limitations, performance and design criteria, load factors, weight and balance charts, comparative analysis of aircraft, and certification of aircraft. Three hours of lecture per week. Prerequisite: AVST 312	<b>(3)</b>
<b>AVST 402</b>	<b>Effective HSEM Communications &amp; Leadership</b> Prepares future aviation professionals with communication and leadership skills to fulfill team-building roles with government and non-government agencies during times of aviation disasters. Three hours of lecture per week. Prerequisite or Co-requisite: AVST310	<b>(3)</b>
<b>AVST 403</b>	<b>Turboprop Familiarization</b> This course studies Turboprop and turbojet engines and their operation. Electrical, pressurization, hydraulic, and fuel systems will be examined. Three hours of lecture per week. Prerequisite: AVST 315	<b>(3)</b>
<b>AVST 404</b>	<b>Flight Safety</b> Instruction emphasizing personal and institutional safety goals within the framework of the FAA. Three hours of lecture per week. Prerequisite: AVST 312	<b>(3)</b>
<b>AVST 406</b>	<b>The National Airspace System</b> Overview of the proposed NAS Plan, including problems such as airspace allocation, airspace usage, facilities and safety. Three hours of lecture per week. Prerequisite: AVST 218	<b>(3)</b>

<b>AVST 407</b>	<b>Aviation Service Operations</b> Study of different aviation services at airports such as fueling services, ramp operators, and environmental management. The course will also cover operational management issues including Fixed Based Operations, general aviation, and relationship between private and governmental partners in the industry. Three hours of lecture per week. Prerequisite: AVST 371	<b>(3)</b>
<b>AVST 408</b>	<b>Multi Engine CERTIFIED Flight Instructor</b> Provides instruction needed to demonstrate, teach and evaluate performance of students in all maneuvers and operations required to earn the FAA Multiengine Rating. Prerequisites: AVST380, 400, 400L, 401,	<b>(3)</b>
<b>AVST 408L</b>	<b>Multi Engine –CFI Lab</b> Provides the flight time and instruction needed to demonstrate, teach and evaluate performance of students in all maneuvers and operations required to earn the FAA Multiengine Rating. Co-requisite: AVST 408	<b>(1)</b>
<b>AVST 409</b>	<b>General Aviation Management (Fixed Based Ops)</b> A study of fixed based operations and its functions and responsibilities of managing the facility. The course will also examine sources of profit, management, maintenance and operations. Three hours of lecture per week. Prerequisite: AVST 371	<b>(3)</b>
<b>AVST415</b>	<b>Aeronautical Charts and Publications</b> The student will become familiar with VFR Charts, FAA publications, en-route IFR Charts, SI Ds & STARS, approach plates, and emergency rescue procedures. Three hours of lecture per week. Prerequisite: AVST 312	<b>(3)</b>
<b>AVST 425</b>	<b>Flight Physiology</b> A study of the causes, symptoms, treatment, and prevention of medical issues associated with flight. Three hours of lecture per week. Prerequisite: AVST 105, AVST105L, AVST 315	<b>(3)</b>
<b>AVST 444</b>	<b>Aviation Project System Management</b> A study of the role of project managers using software programs and systems analysis techniques. Three hours of lecture per week. Prerequisite: AVST 371 Co requisite: 444L	<b>(3)</b>
<b>AVST 444L</b>	<b>Aviation Project System Management Lab</b> Laboratory training of the role of project managers using software programs and systems analysis techniques. Prerequisite: AVST 371, Co-requisite: AWS 444	<b>(1)</b>
<b>AVST495</b>	<b>Field Work Practicum in Aviation Science</b> Directed study involving field placement which provide students with practical exposure to present operational and managerial practices in aviation. This course also provides internal and external classroom work to develop skills in research, proposal, and grant writing. Prerequisite: Permission of the Chair.	<b>(3-6)</b>

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE IN AVIATION SCIENCE AND TECHNOLOGY  
AVIATION SCIENCE MANAGEMENT TRACK  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (AVIATION SCIENCE MANAGEMENT)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		35 credits	43 credits	0 credits
<b>Communication:</b>		AVST 101 (3)	ACCT 231 (3)	
ENG 131 (3) **	ENGL 1301	AVST 102 (3)	BADM 230 (3)	
ENG 132 (3)	ENGL 1302	AVST 120 (3)	MATH 136 (3)	
<b>Mathematics:</b>		AVST 201 (3)	MATH 241 (3)	
MATH 133 (3) **	MATH 1314	AVST 321 (3)	MGMT 300 (3)	
<b>Life and physical sciences:</b>		AVST 321L (1)	MGMT 301 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	AVST 351 (3)	MGMT 330 (3)	
PHYS 101 (3)	PHYS 1315	AVST 371 (3)	MGSC 239 (3)	
<b>Language, philosophy, and culture:</b>		AVST 381 (3)	ECON 231(3)	
ENG 2xx (3) ***		AVST 404 (3)	FS 102 (1)	
<b>Creative arts:</b>		AVST 409 (3)		
MUSI 239 (3)	HUMA 1315	AVST 495 (4)	ELECTIVES (15) ***	
<b>American history:</b>				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<b>Government/political science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
PSY 131 (3)	PSYC 2301			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 120 (3)	COSC 1336 or COSC 1436			

\*Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. (N) represents the number of course credits.

\*\* Pending English and Math examinations

\*\*\* Approved Electives

Any 15 hours from the following:

Any AVST course other than required courses

Any MATH, MG MT, MKTG, MGSC, BADM, MSCI, ACCT course, other than required courses.



**BACHELOR OF SCIENCE DEGREE IN AVIATION SCIENCE MANAGEMENT  
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 English I	3	ENG 132 English II	3
	Math 133 College Algebra	3	CHEM 131/ BIOL 143 Gen Chem / Survey Life Sci	3
	AVST 101 Introduction to Aviation	3	AVST 102 Aviation History	3
	SC 135/136*** Pub Addr/Bus Prof Comm3	3	MUSI 239 Fine Arts	3
	CS 120 Intro to Computers and Prob. Solving	3	Math 136 Pre-Calculus	3
	FS 102 Freshmen Seminar	1		
		16 Hrs		15 Hrs

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2XX Any 200 level English	3	Pols 236 American Political System II	3
	Phys 101 Principles of Physical Science	3	Hist 232 US Soc&pol History II from 1877	3
	Pols 235 American Political System I	3	Econ 231 Principles of Econ I	3
	PSY 131 General Psychology	3	BADM 230 Adv. Communications Skills	3
	Hist 231 US Soc&Pol. History I to 1877	3	AVST 120 Transportation Survey	3
	15 Hrs		15 Hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	AVST 201 Flight Meteorology	3	ACCT 231 Principles of Accounting	3
	AVST 351 Aviation Law	3	AVST 371 Airport Management	3
	Math 241 Calculus	3	MGSC 239 Business Statistics I	3
	AVST 321 Air Traffic Control	3	AVST 381 Air Carrier Management	3
	AVST 321L Air Traffic Control Lab	1	AVST Elective **	3
	AVST Elective **	3		
	16 Hrs		15 Hrs	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	Mgmt 300 Principals of Management	3	AVST 495 Field Work Practicum in Aviation	4
	AVST 404 Flight Safety	3	Mgmt 301 Personnel & Human Resource Dev	3
	AVST 409 General Aviation Management	3	Mgmt 330 Organizational Behavior	3
	AVST Elective **	3	AVST Elective **	3
	AVST Elective **	3		
	15 Hrs		13 Hrs	

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE  
IN AVIATION SCIENCE MANAGEMENT  
PROFESSIONAL PILOT CONCENTRATION  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (AVIATION SCIENCE MANAGEMENT)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		51 credits	27 credits	0 credits
<b>Communication:</b>		AVST 103 (3)	AVST 201 (3)	
ENG 131 (3)	ENGL 1301	AVST 105 (3)	ACCT 231 (3)	
ENG 132 (3)	ENGL 1302	AVST 105L (3)	BADM 230 (3)	
<b>Mathematics:</b>		AVST 218 (3)	MATH 136 (3)	
MATH 133 (3)	MATH 1314	AVST 218L (1)	MGMT 300 (3)	
<b>Life and physical sciences:</b>		AVST 305 (3)	MGMT 330 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	AVST 311 (3)	PHYS 213 (1)	
PHYS 237 (3)	PHYS 1301	AVST 312 (3)	PHYS 238 (3)	
<b>Language, philosophy, and culture:</b>		AVST 312L (1)	PHYS 214 (1)	
ENG 2xx (3) ***		AVST 313 (3)	FS 102 (1)	
<b>Creative arts:</b>		AVST 315 (3)	FREE ELECTIVE (3)	
MUSIC 239 (3)	HUMA 1315	AVST 315L (1)		
<b>American history:</b>		AVST 380 (3)		
HIST 231 (3)	HIST 1301	AVST 380L (1)		
HIST 232 (3)	HIST 1302	AVST 400 (3)		
<b>Government/political science:</b>		AVST 400L (1)		
POLS 235 (3)	GOVT 2305	AVST 401 (3)		
POLS 236 (3)	GOVT 2306	AVST 403(3)		
<b>Social and behavioral sciences:</b>		AVST 408 (3)		
ECON 231 (3)	ECON 2301	AVST 408L (1)		
<b>Institutional Options:</b>		AVST 425 (3)		
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

\*Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

**BACHELOR OF SCIENCE DEGREE IN AVIATION SCIENCE MANAGEMENT  
PROFESSIONAL PILOT CONCENTRATION  
DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 English I	3	ENG 132 English II	3
	MATH 133 College Algebra	3	MATH 136 Pre-Cal	3
	AVST 103 Private Pilot Ground	3	AVST 218 Instrument Ground	3
	AVST 105 Private Pilot Flight	3	AVST 218L Instrument Flight Lab	1
	AVST 105L Private Pilot Lab	3	CS 116 Intro to Computer Science	3
	FS 102 Freshman Seminar	1	SC 135 Business Profess. Communication	3
		<b>16 Hrs</b>		<b>16 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	CHEM 131 General Chemistry	3	PHYS 238 College Physics II	3
	AVST 312 Commercial Pilot Certification	3	PHYS 214 College Physics Lab	1
	AVST 312L Commercial Pilot Cert. Lab	1	AVST 311 Intermediate Flight	3
	PHYS 237 College Physics I	3	AVST 201 Flight Meteorology	3
	PHYS 213 College Physics Lab	1	POLS 236 American Political Systems II	3
	POLS 235 American Political System I	3	ENG 2XX Upper Level English	3
	<b>14 Hrs</b>		<b>16 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	HIST 231 Soc. Political History US I	3	HIST 232 Soc. Political History of US II	3
	AVST 315 Multi Engine Rating	3	MUSIC 239 Fine Arts and Daily Living	3
	AVST 315L Multi-Engine Rating Lab	1	AVST 380 CFI Airplane	3
	MGMT 300 Principles of Management	3	AVST 380L CFI Airplane Lab	1
	AVST 305 Fundamentals of Avionics	3	ECON 231 Principles of Economic I	3
	BADM 230 Advance Communication Skills	3	Free Elective	3
	<b>16 Hrs</b>		<b>16 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	AVST 400 CFI Instrument	3	AVST 425 Flight Physiology	3
	AVST 400L CFI Instrument Lab	1	ACCT 231 Principles of Accounting I	3
	AVST 313 International Flight Theory	3	AVST 401 Advance Aerodynamics	3
	MGMT 330 Organizational Behavior	3	AVST 408 Multi Engine CFI	3
	AVST 403 Turbo Prop Familiarization	3	AVST 408L Multi Engine CFI Lab	1
	<b>13 Hrs</b>		<b>13 Hrs</b>	

**DEPARTMENT OF AVIATION SCIENCE AND TECHNOLOGY**  
**TWO YEAR COURSE ROTATION SCHEDULE**

**X indicates when a course shall be offered**

COURSE	COURSE NAME	CREDITS	FALL	SPRING	SUM	PREREQUISITES	COREQUISITES
AVST 101	INTRO TO AVIATION	3	X				
AVST 102	AVIATION HISTORY	3	X	X			
AVST 103	PRIVATE PILOT GROUND	3	X				
AVST 105	PRIVATE PILOT FLIGHT	3	As Required			AVST 103	AVST 105L
AVST 105L	PRIVATE PILOT FLIGHT LAB	3	As Required			AVST 103	AVST 105
AVST 113	INTRO TO FLIGHT	3	As Required				AVST 113L
AVST 113L	INTRO TO FLIGHT LAB	1	As Required				AVST 113
AVST 120	TRANSPORTATION SURVEY	3	X				
AVST 200	BASICS OF COMMUNICATIONS	3	As Required				
AVST 201	FLIGHT METEOROLOGY	3	As Required			AVST 105, 105L	
AVST 214	INTRO HOMELAND SECURITY	3	X			AVST 101 AVST 205	
AVST 218	INSTRUMENT GROUND	3	As Required			AVST 103, AWS 105	AVST 218L
AVST 218L	INSTRUMENT GROUND & FLIGHT LAB	2				AVST 103, AVST 105	AVST 218
AVST 310	EMERGENCY PLANNING & MITIGATION	3		X		AVST 371	
AVST 312	COMMERCIAL PILOT CERTIFICATION	3	As Required			AVST 218, AVST 218L	
AVST 312L	COMMERCIAL PILOT CERTIFICATION LAB	1	As Required			AVST 218, AVST 218L	AVST 312
AVST 313	INT FLIGHT THEORY	3	As Required			AVST 312	
AVST 315	MULTI-ENGINE RATING	3	As Required			AVST 312	
AVST 321	AIR TRAFFIC CONTROL	3	As Required				AVST 321L
AVST 321L	AIR TRAFFIC CONTROL LAB	1	As Required				AVST 321
AVST 325	AVIATION DESIGN AND OPERATIONS			X		AVST 371	
AVST 345	PRINCIPLES AVIATION PROPERTY	3		X		AVST 371	
AVST 351	AVIATION LAW	3		X			
AVST 371	AIRPORT MGMT	3	X				
AVST 352	AVIATION BUSINESS ORG MGMT	3		X		AVST 371	
AVST 380	FLIGHT INSTRUCTION AIRPLANE	3	As Required			AVST 315	
AVST 381	AIR CARRIER MGMT	3	X				
AVST 400	FLIGHT INSTRUCTOR INSTRUMENT	3	As Required			AVST 315	
AVST 401	ADV AERODYNAMICS	3	As Required			AVST 312	
AVST 402	EFFECTIVE HSEM CM & LEADERSHIP	3	As Required			AVST 310	
AVST 403	TUOPROP FAMILIARIZATION	3	As Required			AVST 315	

AVST 404	FLIGHT SAFETY	3	As Required		AVST312		
AVST 406	NATL AIRSPACE SYSTEM	3		X		AVST218	
AVST 407	AVIATION SERVICES OPERS	3	As Required			AVST371	
AVST 409	GENERAL AVIATION MANAGEMENT	3	X			AVST371	
AVST 415	AERONAUTICAL CHARTS & PUBS	3	As Required			AVST312	
AVST 425	FLIGHT PHYSIOLOGY	3	As Required			AVST 105, AVST 106L, AVST315	
AVST 444	AVIATION PROJ. SYSTEM MGMT.	3		X		AVST371	AVST 444L
AVST 444L	AVIATION PROJ. SYSTEM MGMT. LAB	1	As Required			AVST371	AVST 444
AVST 495	FLD. WORK PRACT IN AVST	5	X	X	X	Chair Approval	

## DEPARTMENT OF BIOLOGY

As the largest instructional unit in the College of Science, Engineering & Technology (COSET), the Department of Biology offers courses in Biology (BIOL) to the general student population, the Bachelor of Science (B.S.) Degree in Biology, the Master of Science (M.S.) Degree in Biology, and a minor in Biology for students pursuing majors in other departments where the declaration of a minor is required. In addition, the Department of Biology serves as the academic unit overseeing Texas Southern University's Pre-Nursing Program. This is a non-degree program designed to prepare students for admission into a Bachelor of Science (B.S.) Degree in nursing program. The teaching, research, and office facilities for faculty members are housed on the second and third floors of the TSU Science Center with the Department Office located in Room 203Z.

**Students interested in pursuing the Master of Science in Biology should consult the Graduate School Bulletin of Texas Southern University for further information**

The mission of the Department of Biology is threefold: (1) to provide the opportunity for all students who matriculate through Texas Southern University to become better informed about biological phenomena and life processes, as well as apply information and knowledge gained toward an improved understanding of man, society, and the universe; (2) to provide undergraduate students with the appropriate background in Biology that will allow them to pursue medical, biomedical, and other allied or related careers; and (3) to ensure that undergraduates who intend to matriculate in graduate programs in the biological sciences, or related areas, are adequately prepared.

In pursuing the B.S. in Biology, students may select from the Comprehensive or the Pre-Health Professional curricula. The Comprehensive Concentration is designed to prepare students to enter the workforce or for additional study at the graduate level, while the Pre-Health Professional Concentration is intended to prepare students for professional schools (Medical, Dental, Veterinary, Optometry, Physical Therapy and etc.) upon graduation. Students should contact professional schools directly to ascertain specific admission requirements. The specific requirements for the B.S. in Biology are described, in detail, below. **All students majoring in Biology must declare and complete a minor in a second academic discipline if they are first-time degree seekers. Grades of "C" or better, where grades of "C-" are unacceptable, must be earned in all courses needed to satisfy the major and the minor.** Students should seek detailed advisement from their designated advisors when selecting a minor because the selection of said minor could impact the total number of credits required for graduation. In no case will a student majoring in Biology qualify for graduation at the undergraduate level without satisfactorily completing a minimum of 120 semester credit hours.

The Biology undergraduate curriculum at Texas Southern University is designed to provide a comprehensive general education in the natural sciences, humanities, and social sciences and a strong foundation in the principles of modern biology. Interested students must gain admission to the University, satisfy TSI or any equivalent test requirements, and remove deficiencies identified at the time of admission with the University's TSI Testing Center. Shortly after arriving at Texas Southern University, all students interesting in pursuing a degree in Biology will be assigned a pre-major advisor, who will assist in planning their program of study and mentoring them in achieving their career goals. **Biology pre-majors may petition the department to declare their major as Biology upon the successful completion of Biology 111, 112, 131 and 132 with a cumulative GPA of 2.75. All students following the Comprehensive Concentration will be required to maintain a GPA of 2.75 with respect to courses in the following cognate areas: Biology, Chemistry, Mathematics, and Physics. All students following the Pre-Health Professional Concentration will be required to maintain an overall GPA of 3.5.** If a student's overall GPA falls below 2.75 for two consecutive semesters the student will be removed from the list of designated majors and minors in Biology. Once admitted, students are each assigned an official faculty advisor who must approve their individual schedules of courses for each semester or term of enrollment. All majors should request that the Faculty Chair or the Departmental Appointee evaluate their transcripts at the beginning of their senior year to verify eligibility for degree conferral at the end of that year. Additionally, all Biology majors are required to pass an Exit Examination prior to conferral of their degree. It is recommended that **all Biology majors enroll to take the exit examination in the spring semester (2nd Monday in April) of the junior year. Students who do not pass the exit exam may take as a remedial course BIOL 439 (Principles of Biology). NOTE: If a student fails the exit exam and takes BIOL 439, these credits will not be applicable to the total biology hours required for the student's specific curriculum.**

Individuals interested in seeking certification for teaching in the public schools of Texas in Biology should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions. For the minor in Biology, 21 semester credit hours are required through enrollment in the following courses: BIOL 131 (3 credits), BIOL 132 (3 credits), BIOL 231 Cell Biology (3 credits), BIOL 232 Developmental (3 credits), and 9 additional 300-level or 400-level BIOL credits. Although students are required to take BIOL 111 (1 credit) and BIOL 112 (1 credit) as co-requisites with BIOL 131 and BIOL 132, respectively, these 2 credits are not counted toward the completion of the minor in Biology. In conjunction with these 21 credits, at least one year of college chemistry must be completed along with Mathematics 133 and 134 or 136. **Grades of “C” or better, where grades of “C-” are unacceptable, must be earned in all courses needed to satisfy the minor.**

Further information may be obtained by contacting the Department Office at (713) 313-7005.

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Abdel-Rahman, Fawzia</b>  <b>Professor</b>                      B.Sc., University of Cairo, Egypt                      M.S., Ph.D., University of California at Davis</p>	<p><b>Olufemi, Shodimu-Emmanuel</b>  <b>Assistant Professor</b>                      B.S., M.S., Texas Southern University                      Ph.D., Howard University</p>
<p><b>Cassimere, Erica</b>  <b>Visiting Assistant Professor</b>                      B.S., University of Maryland Eastern Shore                      Ph.D., Purdue University</p>	<p><b>Player, Audrey</b>  <b>Assistant Professor</b>                      B.S., University of North Texas                      Ph.D., Wright State University</p>
<p><b>Fadulu, Sunday O.</b>  <b>Professor Emeritus</b>                      B.S, Oklahoma Baptist University M.S.,                      Ph. D., University of Oklahoma</p>	<p><b>Rosenzweig, Jason A.</b>  <b>Associate Professor</b>                      B.S., Florida Atlantic University                      Ph.D., University of Miami (Miller School of Medicine)</p>
<p><b>Gardiner, Linda M.</b>  <b>Visiting Assistant Professor</b>                      B.S., Ph.D., Texas Southern University</p>	<p><b>Shishodia, Shishir</b>  <b>Associate Professor</b>                      B. S., Ranchi University, Ranchi, India.                      M.S., Ph.D., Banaras Hindu University, Varanasi, India</p>
<p><b>Hillar, Marian</b>  <b>Professor</b>                      M.D., Ph.D., University Medical School at                      Gdansk, Poland</p>	<p><b>Sodipe, Ayodotun</b>  <b>Assistant Professor</b>                      B.S., Ph.D., Texas Southern University</p>
<p><b>Hollomon, Mario G.</b>  <b>Assistant Professor</b>                      B.S., Prairie View A&amp;M University                      M.S., Ph.D., Texas Southern University</p>	<p><b>Sundaresan, Alamelu</b>  <b>Associate Professor</b>                      B.Sc., Women’s Christian College, Madras                      M.Sc, University of Pondicherry and The World Health                      Organization, Geneva                      Ph.D., University of Texas Health Science Center, Houston</p>
<p><b>Jackson, Desirée</b>  <b>Associate Professor</b>                      B.S., State University of New York College at Brockport                      Ph.D., Meharry Medical College</p>	<p><b>Williams, Warren</b>  <b>Associate Professor</b>                      B.S., M.S., Texas Southern University                      Ph.D., University of Illinois</p>
<p><b>Miranda, Hector</b>  <b>Associate Professor</b>                      B.S., M.S., University of the Philippines at Los Baos                      .D., University of Cincinnati</p>	



## BIOLOGY COURSES

- BIOL 111**                    **Biological Science Laboratory I**                    **(1)**  
Laboratory course devoted to the study of basic life processes and the structural and functional organization of plants and animals. One hour of lecture and two hours of laboratory per week. Co-requisite: BIOL 131. Listed as BIOL 1106 in the Texas Common Course Numbering System.
- BIOL 112**                    **Biological Science Laboratory II**                    **(1)**  
Continuation of Biology 111 with emphasis on biological concepts and processes. One hour of lecture and two hours laboratory per week. Prerequisite: BIOL 111. Co-requisite: BIOL 132. Listed as BIOL1107 in the Texas Common Course Numbering System.
- BIOL 131**                    **Biological Science I**                    **(3)**  
Integrated approach to the study of basic biological principles which are presented through the hierarchy of living systems. Three hours of lecture per week. Co-requisite: BIOL 111. Listed as BIOL1306 in the Texas Common Course Numbering System.
- BIOL 132**                    **Biological Science II**                    **(3)**  
Continuation of BIOL 131. Three hours of lecture per week. Prerequisites: BIOL 111, BIOL 131. Co-requisite: BIOL 112. **Listed as BIOL 1307 in the Texas Common Course Numbering System.**
- BIOL 135**                    **Human Anatomy and Physiology I**                    **(3)**  
Course designed for health careers and pre-nursing students emphasizing the structure-function relationships of human organ systems. Three hours of lecture per week. Co-Requisite BIOL 115. Listed as BIOL 2301 in the Texas Common Course Numbering System.
- BIOL 135L**                    **Human Anatomy and Physiology Laboratory I**                    **(1)**  
Laboratory course emphasizing some of the techniques and principles presented in BIOL 135. One hour of lecture and two hours laboratory per week. Listed as BIOL 2101 in the Texas Common Course Numbering System.
- BIOL 136**                    **Human Anatomy and Physiology II**                    **(3)**  
Continuation of BIOL 135. Three hours of lecture. Listed as BIOL 2302 in the Texas Common Course Numbering System.
- BIOL 136L**                    **Human Anatomy and Physiology Laboratory II**                    **(1)**  
Laboratory course emphasizing some of the techniques and principles presented in BIOL 136. One hour of lecture and two hours laboratory per week. Listed as BIOL 2102 in the Texas Common Course Numbering System.
- BIOL 143**                    **Survey of Life Science**                    **(3)**  
In-depth coverage of selected biological principles for non-majors covering the molecular through the population levels of life forms and functions. Methods of inquiry and analysis emphasized. Two hours of lecture and one hour of demonstrations per week. Listed as BIOL 1408 in the Texas Common Course Numbering System.
- BIOL 143L**                    **Survey of Life Science Laboratory**                    **(1)**  
Laboratory experiments and exercises designed to complement BIOL 143. One hour of laboratory per week.
- BIOL 211**                    **Cell Biology Laboratory**                    **(1)**  
Laboratory experiments and exercises to complement BIOL 231 Cell Biology. Three hours of laboratory per week. Co-requisite: BIOL 231.
- BIOL 212**                    **Developmental Biology Laboratory**                    **(1)**  
Laboratory experiments and exercises to complement BIOL 232 Developmental Biology. Three hours of laboratory per week. Co-requisite: BIOL 232.

- BIOL 231**                      **Cell Biology (Previously BIOL 241)**                      **(3)**  
Molecular biology of cells encompassing ultra-structure, biosynthesis of macromolecules, chromosome and gene structure, control of gene expression, cell cycles, cytoskeleton movement, and energetic. Three hours of lecture per week. Co-requisite: BIOL 211 (laboratory). Prerequisites: BIOL 111, BIOL112, BIOL 131, BIOL 132, and one year of college level chemistry.
- BIOL 232**                      **Developmental Biology (Previously BIOL 243)**                      **(3)**  
Consideration of development in diverse organisms with an emphasis on comparative vertebrate development. Three hours of lecture per week. Co-requisite: BIOL 212 (laboratory). Prerequisites: BIOL 111, BIOL 112, BIOL 131, and BIOL 132.
- BIOL 245**                      **Human Anatomy and Physiology**                      **(4)**  
Integrated approach to the study of the organ systems of man for non-majors where the relationship between anatomy and function is emphasized. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 245L. Prerequisite: One year of college level biology. (BIOL 143 does not qualify in meeting this prerequisite.)
- BIOL 246**                      **Microbiology for Health Related Professions**                      **(4)**  
Morphology and physiology of microorganisms important in community health. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 246L. Prerequisites: BIOL 135 and BIOL 136. **Listed as BIOL 2420 in the Texas Common Course Numbering System.**
- BIOL 300**                      **Seminar for Health Related Professions**                      **(1)**  
Designed to broaden the perspectives of students preparing to pursue health professional careers. Students may enroll for a maximum of two semesters. One hour of lecture per week. Prerequisites: BIOL 112 and BIOL 132.
- BIOL 332**                      **Bioinformatics**                      **(3)**  
Investigates the application of molecular biology, computers and the internet to generate and manage DNA and protein sequence data. Lecture and laboratory will involve generation, management and analysis of real and archived (in Genbank) data, including that from the Human Genome Project. Emphasis on genome organization and evolution, archival (web-based) and information retrieval, sequence assembly, alignment, comparative genomics, phylogenetics and evolutionary inferences, analyses of protein structure and micro-array data. Two hours of lecture per week and three hours of laboratory. Co-requisite: BIOL 332L. Prerequisites: BIOL 131 and BIOL 132.
- BIOL 334**                      **Conservation Biology**                      **(3)**  
This course is designed to investigate biodiversity patterns across evolutionary time and place, the human impact on wild populations and habitats, the social, cultural and political issues at the local and global level, and search for sustainable solutions to a world of expanding human populations with limited resources. Three hours of lecture per week. Prerequisites: BIOL 131 and BIOL 132.
- BIOL 338**                      **Genetics**                      **(3)**  
In-depth discussion of the basic concepts of Mendelian, neo-Mendelian, molecular, and population genetics. Three hours of lecture per week. Prerequisites: Two years of college level biology and one year of college level chemistry.
- BIOL 340**                      **Biochemistry of Biological Compounds**                      **(3)**  
Physico-chemical nature of proteins, carbohydrates, lipids, and nucleic acids; kinetic function of enzymes; and structure of biological membranes. Three hours of lecture per week. Prerequisites: One year of college level biology and chemistry.
- BIOL 341**                      **Organismic Biology**                      **(4)**  
Comparative and integrated approach to the study of organisms emphasizing diversity, maintenance, coordination, and function of organ systems. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 341L. Prerequisites: BIOL 112 and BIOL 132.

<b>BIOL 343</b>	<b>Ecology</b> A study of ecosystems from the standpoint of functional dynamics as well as the roles of ecological, evolutionary and adaptive processes in shaping the environment. Three hours of lecture per week. Prerequisites: BIOL 112 and BIOL 132.	<b>(3)</b>
<b>BIOL 344</b>	<b>Vertebrate Anatomy and Histology</b> Gross and microscopic anatomy of the organ systems of vertebrates with an emphasis on histology essential to understanding drug effects on functional anatomy for pharmacy students. Co-requisite: BIOL 344L. Three hours of lecture and three hours of laboratory per week.	<b>(4)</b>
<b>BIOL 345</b>	<b>Ecology Laboratory</b> This course is designed for both field and laboratory ecological studies. Three hours of laboratory per week. Prerequisites: BIOL 112 and BIOL 132.	<b>(1)</b>
<b>BIOL 347</b>	<b>Microbiology</b> Taxonomy, structure, life cycles, physiology, biochemistry, and role in ecosystems of selected groups of microorganisms. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 347L. Prerequisites: One year of college level biology and organic chemistry.	<b>(4)</b>
<b>BIOL 348</b>	<b>Experiments in Biology</b> Key experiments in cell biology, biochemistry, cell physiology, and genetics. One hour of lecture and five hours of laboratory per week. Prerequisites: Two years of college level biology and one year of chemistry.	<b>(4)</b>
<b>BIOL 349</b>	<b>Entomology</b> To study biology, anatomy, physiology, development, classification, ecology and relation of insects to human welfare. Three hours of laboratory per week. Co-requisite: BIOL 349L. Prerequisites: One year of college level biology.	<b>(4)</b>
<b>BIOL 401</b>	<b>Undergraduate Research</b> Designed to provide supervised experiences in the theoretical and experimental aspects of biological re- search to undergraduates. Three hours of laboratory per week. Prerequisite: Consent of the instructor.	<b>(1)</b>
<b>BIOL 431</b>	<b>Radiation Biology</b> Course covers physical and chemical principles of radiation; use of radioactive nuclides in Biochemical and biological research; biological effects of low and high levels of radiation; acute and chronic effects of radiation; safety measures and regulations in the use of radioactive nuclides in research and medicine; technical aspects of the generation of energy by nuclear power stations; and social, moral and medical aspects of the use of atomic weapons. Three hours of lecture per week. Prerequisite: Junior or Senior standing in Biology.	<b>(3)</b>
<b>BIOL 434</b>	<b>Evolutionary Biology</b> This course will investigate the fundamental principles of evolution by natural selection, population genetics, historical reconstructions, and attempt to apply these principles to ecology, development, physiology, medicine, and sociobiology. Three hours of lecture per week. Prerequisites: BIOL 131 and BIOL 132.	<b>(3)</b>
<b>BIOL 435</b>	<b>History &amp; Philosophy of Science</b> A study of the history and philosophy of science, and, in particular, the history of the life sciences giving broader insight into the evolutionary process of how science was developed and what mechanisms operated. The course will examine characteristics, distinguishing scientific inquiry from other types of investigation; procedures scientists use in investigating nature; conditions to be satisfied for a scientific explanation to be correct; and the cognitive status of scientific laws and principles. Three hours of lecture per week. Prerequisite: Senior standing.	<b>(3)</b>
<b>BIOL 438</b>	<b>Plant Biology</b> Plant structure and physiology; plant biotechnology; medicinal plants; and interactions between plants and their environment. Two hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 438L. Prerequisites: BIOL 112 and BIOL 132.	<b>(3)</b>

<b>BIOL 439</b>	<b>Principles of Biology</b>	<b>(3)</b>
	Comprehensive review of basic biological principles operating at various levels of organization in living systems. Two hours of lecture and two hours of laboratory per week. Co-requisite: BIOL 439L. Prerequisites: BIOL 112, BIOL 132, and enrollment in Teacher Certification program.	
<b>BIOL 441</b>	<b>Histology</b>	<b>(4)</b>
	Microscopic study of the anatomy and relevant functions of vertebrate tissues and organs using light microscopy and selected electron micrographs. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 441L. Prerequisite: BIOL 231 or BIOL 232 or BIOL 341.	
<b>BIOL 443</b>	<b>Molecular Biology</b>	<b>(4)</b>
	Study of intracellular molecular processes. Three hours of lecture per week. Co-requisite: BIOL 443L. Prerequisites: 2 years of college level biology and 2 years of college level chemistry; Junior standing in Biology.	
<b>BIOL 446</b>	<b>Human Physiology Laboratory</b>	<b>(1)</b>
	Laboratory experiments and exercises to complement BIOL 447 Human Physiology. Co-requisite: BIOL 447. Prerequisites: BIOL 112, BIOL 132, and one year of college chemistry.	
<b>BIOL 447</b>	<b>Human Physiology</b>	<b>(3)</b>
	Comprehensive treatment of the physiology, biochemistry and biophysics of organ systems in humans. Three hours of lecture per week. Co-requisite: BIOL 446. Prerequisites: BIOL 112, BIOL 132, one year of college chemistry, and Junior or Senior standing in Biology.	
<b>BIOL 448</b>	<b>Molecular Physiology and Biophysics</b>	<b>(3)</b>
	Physiological, biochemical, and biophysical consideration of various cellular processes with special emphasis on molecular mechanisms in photosynthetic and respiratory reactions. Three hours of lecture per week. Prerequisites: Junior or Senior standing in Biology, one year of General Chemistry, one year of Organic Chemistry and one year of College Physics.	
<b>BIOL 450</b>	<b>Molecular Genetics</b>	<b>(3)</b>
	In-depth study of the biochemistry and chemistry of genes including aspects of gene expression and that of biotechnology. Three hours of lecture per week. Prerequisite: Junior or Senior standing in Biology.	
<b>BIOL 451</b>	<b>Parasitology</b>	<b>(4)</b>
	The study of parasites, their hosts, and the relationships between them as illustrated by the study of protozoans, helminths, nematodes and arthropods. Three hours of lecture and three hours of laboratory per week. Co-requisite: BIOL 451L. Prerequisites: One year of college level biology; BIOL 341.	
<b>BIOL 452</b>	<b>Intermediary and Cellular Metabolism</b>	<b>(3)</b>
	Quantitative bioenergetics; patterns of breakdown and synthesis of cellular metabolite; metabolic and hormonal regulations; integration and pathological disorders; and relevance of metabolism to medicine. Three hours of lecture per week. Prerequisite: BIOL 340.	
<b>BIOL 454</b>	<b>Immunology</b>	<b>(3)</b>
	Comprehensive overview of the immune system and immunological mechanisms. Two hours of lecture and three hours of laboratory per week. Co-requisite BIOL 454L. Prerequisite: Junior or Senior standing in Biology.	
<b>BIOL 460</b>	<b>Biostatistics</b>	<b>(3)</b>
	Evaluation of the significance of the results of biological experiments, observations, and clinical data through statistical analysis. Three hours of lecture per week. Prerequisites: BIOL 112, BIOL 132, one year of college level mathematics, and Junior or Senior standing in Biology.	
<b>BIOL 461</b>	<b>Environmental Sampling and Analysis</b>	<b>(3)</b>
	Sampling of water, air and other substances of ecological significance and their chemical and statistical analysis for suspected pollutants in Harris and other counties in Texas. Prerequisite: Junior or Senior standing in Biology.	

**BIOL 499**

**Biology Seminar**

**(1)**

Consideration of various biological problems and recent research. One hour of lecture per week.  
Prerequisite: Junior or Senior standing in Biology.

**CURRICULUM SUMMARY FOR BACHELOR OF SCIENCE DEGREE IN BIOLOGY  
COMPREHENSIVE CONCENTRATION  
TOTAL CREDITS REQUIRED: 123 (depends on minor selected)**

CORE CURRICULUM * (STANDARD)	TCCNS	MAJOR (BIOLOGY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
42 Credits	EQUIVALENT	50 Credits	25 Credits	21 Credits
<b>Communication:</b>		BIOL 111 (1)	CHEM 111	
ENG 131 (3)**	ENGL 1301	BIOL 112 (1)	CHEM 112	
ENG 132 (3)	ENGL 1302	BIOL 131 (3)	CHEM 211	
<b>Mathematics:</b>		BIOL 132 (3)	CHEM 212	
MATH 133 (3)	MATH 1314	BIOL 211 (1)	CHEM 231 (3)	
<b>Life and Physical Sciences:</b>		BIOL 212 (1)	CHEM 232 (3)	
CHEM 131 (3)	CHEM 1311	BIOL 231 (3)	MATH 136 (3)	
CHEM 132 (3)	CHEM 1312	BIOL 232 (3)	MATH 241 (4)	
<b>Language, philosophy, and culture:</b>		BIOL 338 (3)	PHYS 213 (1)	
ENG 2xx (3)		BIOL 340 (3)	PHYS 214 (1)	
<b>Creative Arts:</b>		BIOL 341 (4)	PHYS 237 (3)	
MUSI 239 (3), THEA 130 (3), ART 135 (3), ART		BIOL 347 (4)	PHYS 238 (3)	
		BIOL 401 (3)		
		BIOL 443 (4)	FS 102 (1)	
<b>American History:</b>		BIOL 450 (3)		
HIST 231 (3)	HIST 1301	BIOL 454 (3)		
HIST 232 (3)	HIS T 1302	BIOL 460 (3)		
<b>Government/Political Science</b>		BIOL 499 (1)		
		All courses listed above are REQUIRED		
POLS 235 (3)	GOVT 2305	<b>Plus 3 Upper Level BIOL credits selected from the following:</b>		
POLS 236 (3)	GOVT 2306			
<b>Social and Behavioral Sciences:</b>		BIOL 300 (1), BIOL 332 (3),		
PS Y 131 or	PSYC 2301	BIOL 334 (3), BIOL 343 (3),		
SOC 157 or	SOCI 1301	BIOL 344 (4), BIOL 345 (1),		
SOC 158 (3)	SOCI 1306	BIOL 348 (4), BIOL 349 (3),		
<b>Institutional Options:</b>		BIOL 431 (3),		
CS 116 (3)	COSC 1301	BIOL 434 (3), BIOL 435 (3),		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	BIOL 438 (3), BIOL 439 (3),		
		BIOL 441 (4), BIOL 446 (1),		
		BIOL 447 (3), BIOL 448 (3),		
		BIOL 451 (4), BIOL 452 (3),		
		BIOL 461 (3)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* In selecting Chemistry as a minor, Biology majors need only two additional courses: CHEM 322 (2 credits) and CHEM 332 (3 credits). For other minors selected, up to 21 credits may be needed if these minors do not have credits required in other categories for the Biology degree. These courses include: EDCI 310, EDCI 328, EDCI 339, EDCI 350, EDCI 464, Reading 400 and Reading 402.

**BACHELOR OF SCIENCE DEGREE IN BIOLOGY  
COMPREHENSIVE CONCENTRATION  
DEGREE PLAN - TOTAL CREDITS: 123**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	BIOL 131 Biological Science I Lec.	3	BIOL 132 Biological Science II Lec.	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	CHEM 131 Chemistry I Lec.	3	CHEM 132 Chemistry II Lec.	3
	CHEM 111 Chemistry I Lab	1	CHEM 112 Chemistry II Lab	1
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra	3	MATH 136 Precalculus	3
	SC 135 OR 136 Business and Professional Communication or Public Address	3	MUSI 239 (3), or THEA 130 (3) or ART 135 (3), ART 137 (3) or ART 139 (3)	3
	FS 102 – Freshman Seminar	1		
	<b>18 Hrs</b>		<b>17 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	BIOL 231 Cell Biology Lec.	3	BIOL 232 Developmental Biology	3
	BIOL 211 Cell Biology Lab	1	BIOL 212 Developmental Biology Lab	1
	CHEM 231 Organic Chemistry I Lec.	3	CHEM 232 Organic Chemistry II Lec.	3
	CHEM 211 Organic Chemistry I Lab	1	CHEM 212 Organic Chemistry II Lab	1
	ENG 230 or ENG 231 or ENG 235 or ENG 244 (3)	3	CS 116 Computer Science I Lecture	3
	MATH 241 Calculus and Analytic Geometry I	4	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3		
	<b>18 Hrs</b>		<b>14 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	BIOL 338 Genetics	3	BIOL 347 Microbiology	4
	BIOL 340 Biochemistry of Biological Cmpd	3	PHYS 214 College Physics Lab II	1
	BIOL 341 Organismic Biology	4	PHYS 238 College Physics II	3
	PHYS 213 College Physics Lab I	1	POLS 236 - American Political System III	3
	PHYS 237 College Physics I	3	PSY 131 or SOC 157 or SOC 158 Intro to Psychology or Sociology or Contemporary Social Issues	3
	POLS 235 - American Political Systems I	3		
		<b>17 Hrs</b>		<b>14 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	BIOL 443 Molecular Biology	4	BIOL 450 Molecular Genetics	3
	BIOL 460 Biostatistics	3	BIOL 454 Immunology	3
	BIOL 499 Seminar	1	BIOL ELECTIVE	3
	CHEM 322 Quantitative Chemistry Lab or FREE ELECTIVE	2	BIOL 401 – CAPSTONE COURSE	3
	CHEM 332 Quantitative Chemistry Lec. or FREE ELECTIVE	3		
	<b>13 Hrs</b>		<b>12 Hrs</b>	

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* In selecting Chemistry as a minor, Biology majors need only two additional courses: CHEM 322 (2 credits) and CHEM 332 (3 credits).

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE  
IN BIOLOGY PRE-HEALTH PROFESSIONAL CONCENTRATION TOTAL CREDITS REQUIRED: 123  
(depends on minor selected)**

CORE CURRICULUM * (STANDARD)	TCCNS	MAJOR (BIOLOGY)	OTHER REQUIREMENTS	MINOR CONCENTRATION
42 Credits	EQUIVALENT	50 Credits	25 Credits	21 Credits
<b><u>Communication:</u></b>		BIOL 111 (1)	CHEM 111 (1)	Contact Department of choice after being admitted as a Biology Major.  Chemistry is highly recommended as a minor for Biology majors***
ENG 131 (3)**	ENGL 1301	BIOL 112 (1)	CHEM 112 (1)	
ENG 132 (3)	ENGL 1302	BIOL 131 (3)	CHEM 211 (1)	
<b><u>Mathematics:</u></b>		BIOL 132 (3)	CHEM 212 (1)	
MATH 133 (3)	MATH 1314	BIOL 211 (1)	CHEM 231 (3)	
<b><u>Life and Physical Sciences:</u></b>		BIOL 212 (1)	CHEM 232 (3)	
CHEM 131 (3)	CHEM 1311	BIOL 231 (3)	MATH 136 (3)	
CHEM 132 (3)	CHEM 1312	BIOL 232 (3)	MATH 241 (4)	
<b><u>Language, philosophy, and culture:</u></b>		BIOL 338 (3)	PHYS 213 (1)	
ENG 230 or ENG 231 or ENG 235 or ENG 244		BIOL 340 (3)	PHYS 214 (1)	
<b><u>Creative Arts:</u></b>		BIOL 341 (4)	PHYS 237 (3)	
MUSI 239, THEA 130, Or ART 139	ART 135, ART 137	BIOL 347 (4)	PHYS 238 (3)	
<b><u>American History:</u></b>		BIOL 401 (3)	FS 102 (1)	
<b><u>American History:</u></b>		BIOL 441 (4)		
HIST 231 (3)	HIST 1301	BIOL 443 (4)		
HIST 232 (3)	HIST 1302	BIOL 447 (3)	<b>Plus:</b>	
<b><u>Government/Political Science</u></b>		BIOL 454 (3)	CHEM 322 (2)	
POLS 235 (3)	GOVT 2305	BIOL 460 (3)	CHEM 332 (3)	
POLS 236 (3)	GOVT 2306		Or	
<b><u>Social and Behavioral Sciences:</u></b>			5 credit hours of	
PSY 131 or	PSYC 2301	All courses listed	Free electives	
SOC 157 or	SOCI 1301	Above are		
SOC 158 (3)	SOCI 1306	Required		
<b><u>Institutional Options:</u></b>				
CS 116 (3)	COSC 1301			
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* In selecting Chemistry as a minor, Biology majors need only two additional courses: **CHEM 322 (2 credits)** and **CHEM 332 (3 credits)**. For other minors selected, up to 21 credits may be needed if these minors do not have credits required in other categories for the Biology degree.



**BACHELOR OF SCIENCE DEGREE IN PRE-HEALTH PROFESSIONAL  
CONCENTRATION  
DEGREE PLAN - TOTAL CREDITS: 123**

First Year			SECOND SEMESTER	
	BIOL 131 Biological Science I Lec.	3	BIOL 132 Biological Science II Lec.	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	CHEM 131 Chemistry I Lec.	3	CHEM 132 Chemistry II Lec.	3
	CHEM 111 Chemistry I Lab	1	CHEM 112 Chemistry II Lab	1
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra	3	MATH 136 Precalculus	3
	SC 135 OR 136 Business and Professional Communication or Public Address	3	MUSI 239 (3), or THEA 130 (3) or ART 135 (3), ART 137 (3) or ART 139 (3)	3
	FS 102 – Freshman Seminar	1		
	<b>18 Hrs</b>		<b>17 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	BIOL 231 Cell Biology Lecture	3	BIOL 232 Developmental Biology Lecture	3
	BIOL 211 Cell Biology Lab	1	BIOL 212 Developmental Biology Lab	1
	CHEM 231 Organic Chemistry I Lec.	3	CHEM 232 Organic Chemistry II Lec.	3
	CHEM 211 Organic Chemistry I Lab	1	CHEM 212 Organic Chemistry II Lab	1
	ENG 230 or ENG 231 or ENG 235 or ENG 244	3	CS 116 Computer Science I Lecture/Lab	3
	MATH 241 Calculus and Analytic Geometry I	4	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3		
	<b>18 Hrs</b>		<b>14 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	BIOL 338 Genetics	3	BIOL 347 Microbiology Lecture/Lab	4
	BIOL 340 Biochemistry of Biological Cmpd	3	PHYS 214 College Physics Lab II	1
	BIOL 341 Organismic Biology Lecture/Lab	4	PHYS 238 College Physics II	3
	PHYS 213 College Physics Lab I	1	POLS 236 - American Political System III	3
	PHYS 237 College Physics I	3	PSY 131 or SOC 157 or SOC 158 Intro to Psychology or Sociology or Contemporary Social Issues	3
	POLS 235 - American Political Systems I	3		
	<b>17 Hrs</b>		<b>14 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	BIOL 443 Molecular Biology Lecture/Lab	4	BIOL 401 – CAPSTONE COURSE	3
	BIOL 460 Biostatistics	3	BIOL 441 Histology Lecture/Lab	4
	CHEM 322 Quantitative Chemistry Lab or FREE ELECTIVE	2	BIOL 447 Human Physiology	3
	CHEM 332 Quantitative Chemistry Lec. or FREE ELECTIVE	3	BIOL 454 Immunology Lecture/Lab	3
	<b>12 Hrs</b>		<b>13 Hrs</b>	

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* In selecting Chemistry as a minor, Biology majors need only two additional courses: CHEM 322 (2 credits) and CHEM 332 (3 credits).

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE  
IN BIOLOGY GIS (GEOGRAPHIC INFORMATION SYSTEMS) CERTIFICATE  
TOTAL CREDITS REQUIRED: 126**

CORE CURRICULUM * (STANDARD)	TCCNS	MAJOR (BIOLOGY)	OTHER REQUIREMENTS	MINOR CONCENTRATION
42 Credits	EQUIVALENT	50 Credits	25 Credits	21 Credits
<b><u>Communication:</u></b>		BIOL 111 (1)	CHEM 111 (1)	
ENG 131 (3)**	ENGL 1301	BIOL 112 (1)	CHEM 112 (1)	
ENG 132 (3)	ENGL 1302	BIOL 131 (3)	CHEM 211 (1)	
<b><u>Mathematics:</u></b>		BIOL 132 (3)	CHEM 212 (1)	
MATH 133 (3)	MATH 1314	BIOL 211 (1)	CHEM 231 (3)	
<b><u>Life and Physical Sciences:</u></b>		BIOL 212 (1)	CHEM 232 (3)	
CHEM 131 (3)	CHEM 1311	BIOL 231 (3)	MATH 136 (3)	
CHEM 132 (3)	CHEM 1312	BIOL 232 (3)	MATH 241 (4)	
<b><u>Language, philosophy, and culture:</u></b>		BIOL 338 (3)	PHYS 213 (1)	
ENG 230 or ENG 231 or ENG 235 or ENG 244		BIOL 340 (3)	PHYS 214 (1)	
<b><u>Creative Arts:</u></b>		BIOL 341 (4)	PHYS 237 (3)	
MUSI 239, THEA 130, Or ART 139	ART 135, ART 137	BIOL 347 (4)	PHYS 238 (3)	
<b><u>American History:</u></b>		BIOL 401 (3)	FS 102 (1)	
<b><u>American History:</u></b>		BIOL 441 (4)		
HIST 231 (3)	HIST 1301	BIOL 443 (4)	<b>3 GIS Cert Courses</b>	
HIST 232 (3)	HIST 1302	BIOL 447 (3)	ES 441 (3)	
<b><u>Government/Political Science</u></b>		BIOL 454 (3)	ES 442 (3)	
POLS 235 (3)	GOVT 2305	BIOL 460 (3)	ES 443 (3)	
POLS 236 (3)	GOVT 2306			
<b><u>Social and Behavioral Sciences:</u></b>		All courses listed		
PSY 131 or	PSYC 2301	Above are		
SOC 157 or	SOCI 1301	Required		
SOC 158 (3)	SOCI 1306			
<b><u>Institutional Options:</u></b>		Plus 3 Upper Level		
CS 116 (3)	COSC 1301	Biol credits		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	BIOL 300 (1), BIOL 332 (3), BIOL 334 (3), BIOL 343 (3), BIOL 344 (4), BIOL 345 (1),		
		BIOL 431 (3),BIOL 461 (3) BIOL 434 (3), BIOL 435 (3), BIOL 438 (3) BIOL 439 (3)		
		BIOL 441 (4), BIOL 446 (1), BIOL 447 (3), BIOL 448 (3), BIOL 451 (4) BIOL 452 (3)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* In selecting Chemistry as a minor, Biology majors need only two additional courses: **CHEM 322 (2 credits)** and **CHEM 332 (3 credits)**. For other minors selected, up to 21 credits may be needed if these minors do not have credits required in other categories for the Biology degree.

**BACHELOR OF SCIENCE IN BIOLOGY  
GIS (GEOGRAPHIC INFORMATION SYSTEMS) CERTIFICATE  
TOTALCREDITS:126**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	BIOL 131 Biological Science I Lec.	3	BIOL 132 Biological Science II Lec.	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	CHEM 131 Chemistry I Lec.	3	CHEM 132 Chemistry II Lec.	3
	CHEM 111 Chemistry I Lab	1	CHEM 112 Chemistry II Lab	1
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra	3	MATH 136 Precalculus	3
	SC 135 OR 136 Business and Professional Communication or Public Address	3	MUSI 239 (3), or THEA 130 (3) or ART 135 (3), ART 137 (3) or ART 139 (3)	3
	FS 102 – Freshman Seminar	1		
	<b>18 Hrs</b>		<b>17 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	BIOL 231 Cell Biology Lec.	3	BIOL 232 Developmental Biology	3
	BIOL 211 Cell Biology Lab	1	BIOL 212 Developmental Biology Lab	1
	CHEM 231 Organic Chemistry I Lec.	3	CHEM 232 Organic Chemistry II Lec.	3
	CHEM 211 Organic Chemistry I Lab	1	CHEM 212 Organic Chemistry II Lab	1
	ENG 230 or ENG 231 or ENG 235 or ENG 244	3	CS 116 Computer Science I Lecture	3
	MATH 241 Calculus and Analytic Geometry I	4	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3		
	<b>18 Hrs</b>		<b>14 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	BIOL 338 Genetics	3	BIOL 347 Microbiology	4
	BIOL 340 Biochemistry of Biological Cmpd	3	PHYS 214 College Physics Lab II	1
	BIOL 341 Organismic Biology	4	PHYS 238 College Physics II	3
	PHYS 213 College Physics Lab I	1	POLS 236 - American Political System III	3
	PHYS 237 College Physics I	3	PSY 131 or SOC 157 or SOC 158 Intro to Psychology or Sociology or Contemporary Social Issues	3
	POLS 235 - American Political Systems I	3	ES 441 Principles and Applications of GIS	3
	<b>17 Hrs</b>		<b>17 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	BIOL 443 Molecular Biology	4	BIOL 450 Molecular Genetics	3
	BIOL 460 Biostatistics	3	BIOL 454 Immunology	3
	ES 442 Geospatial Ecology	3	BIOL 401 – CAPSTONE COURSE	3
	BIOL ELECTIVES	3	ES 443 Remote Sensing and Image Interpretation	3
	<b>13 Hrs</b>		<b>12 Hrs</b>	

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. \*\* (N) represents the number of course credits.  
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**CURRICULUM SUMMARY FOR  
2-YEAR PRE-NURSING CURRICULUM TOTAL CREDITS REQUIRED: 52**

CORE CURRICULUM (STANDARD)*		PRE-NURSING
TSU COURSES	TCCNS EQUIVALENT	
33 credits		19 credits
<b><u>Communication:</u></b>		BIOL 136 (3)
ENG 131 (3) **	ENGL 1301	BIOL 136L (1)
ENG 132 (3)	ENGL 1302	BIOL 246 (4)
<b><u>Mathematics:</u></b>		BIOL 135L (1)
MATH 133 (3)	MATH 1314	CHEM 111 (1)
<b><u>Life and physical sciences:</u></b>		PSY 233 (3)
BIOL 135 (3)	BIOL 2301	PSY 234 (3)
CHEM 131 (3)	CHEM 1312	SOCW 345 (3)
<b><u>Creative arts:</u></b>		
MUSI 239 (3), or THEA 130 (3), or ART 131 (3), ART 135 (3), ART 137 (3), or ART 139 (3)		
<b><u>American history:</u></b>		
HIST 231 (3)	HIST 1301	
HIST 232 (3)	HIST 1302	
<b><u>Government/political science:</u></b>		
POLS 235 (3)	GOVT 2305	
POLS 236 (3)	GOVT 2306	
<b><u>Institutional Options:</u></b>		
SC 136 (3)	SPCH 1315	

NOTE: It is the responsibility of the student to apply to the degree program of their choice. Completion of TSU's Pre-Nursing program does not guarantee acceptance to any institutions offering a Nursing degree. Some institutions may have additional requirements. The student is responsible for contacting the professional schools of their choice to determine the specific admission requirements.

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

The above courses satisfy the prerequisites for the Nursing Programs at Prairie View A&M University, University of Texas Medical Branch (UTMB) at Galveston and University of Texas at Houston.

Please note requirements for other schools' programs below:

Texas Woman's University (TWU): Literature can be substituted for PHIL 231.

Houston Baptist University (HBU): Six hours of foreign language is required to satisfy the Humanities requirements (Spanish is recommended). FN 233 is not required.

**2-YEAR PRE-NURSING CURRICULUM  
DEGREE PLAN - TOTAL CREDITS: 52**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG. 131 Freshman English I	3	ENG 132 Freshman English II	3
	BIOL 135 Human Anatomy & Physiology I	3	BIOL 136 Human Anatomy and Physiology II	3
	BIOL 135L Human Anatomy & Physiology I Lab	1	BIOL 136L Human Anatomy and Physiology II Lab	1
	MATH 133 College Algebra	3	CHEM 131 General Chemistry I Lec	3
	MUSI 239, or THEA 130, or ART 131, ART 135), ART 137, or ART 139	3	CHEM 111 General Chemistry I Lab	1
			PSY 233 Human growth and development	3
	<b>13 Hrs</b>		<b>14 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	HIST 231 Social and Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States Since 1877	3
	SOCW 345 Human Behavior in Social Environment I	3	PSY 234 Elementary Statistics OR Math 231	3
	POLS 235 American Political Systems I	3	POLS 236 - American Political Systems II	3
	BIOL 246 Microbiology	4	SC 136 Public Address	3
	<b>13 Hrs</b>		<b>12 Hrs</b>	

## COURSE ROTATION SCHEDULE

Course	Course Name	Prerequisite	Corequisite	FALL	SPRING	SUMMER
BIOL 111	Biological Science Laboratory I		BIOL 131	X	X	X
BIOL 112	Biological Science Laboratory II	BIOL 111	BIOL 132	X	X	X
BIOL 131	Biological Science I		BIOL 111L	X	X	X
BIOL 132	Biological Science II	BIOL 111, BIOL 131	BIOL 112L	X	X	X
BIOL 135	Human Anatomy and Physiology I	BIOL 112, BIOL 132	BIOL 135 L	X		
BIOL 136	Human Anatomy and Physiology II	BIOL 135	BIOL 136L		X	
BIOL 143	Survey of Life Science		BIOL143L	X	X	X
BIOL 211	Cell Biology Laboratory		BIOL 231	X	X	
BIOL 212	Developmental Biology Laboratory		BIOL 232	X	X	
BIOL 231	Cell Biology	BIOL 111, BIOL 112, BIOL 131, BIOL 132 and 1 year of college level chemistry	BIOL 211	X	X	
BIOL 232	Developmental Biology	BIOL 111, BIOL 112, BIOL 131, and BIOL 132	BIOL 212	X	X	
BIOL 245	Human Anatomy and Physiology	One year of college level biology (BIOL 143 does not qualify in meeting this prerequisite).	BIOL 245L	X	X	
BIOL 246	Microbiology for Health Related Professions	BIOL 135 and BIOL 136	BIOL 246L		X	
BIOL 300	Seminar for Health Related Professions	BIOL 111, BIOL 112, BIOL 131, BIOL 132		X	X	
BIOL 332	Bioinformatics		BIOL 332L	X		
BIOL 334	Conservation Biology	BIOL 111, BIOL 112, BIOL 131, BIOL 132				X
BIOL 338	Genetics	Two years of College level biology and one year of college level chemistry		X		
BIOL 340	Biochemistry of Biological Compound	One year of college level biology and one year of college level chemistry		X		
BIOL 341	Organismic Biology	BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 341L	X	X	
BIOL 343	Ecology	BIOL 111, BIOL 112, BIOL 131, BIOL 132			X	
BIOL 344	Vertebrate Anatomy and Histology	BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 344L			
BIOL 345	Ecology Laboratory	BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 343		X	
BIOL 347	Microbiology	One year of college level biology and organic chemistry I & II	BIOL 347L	X	X	
BIOL 348	Experiments in Biology II				X	
BIOL 349	Entomology	BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 349L			X
BIOL 401	Undergraduate Research	Consent of the Faculty Chair		X	X	
BIOL 431	Radiation Biology	Junior or Senior Standing in biology			X	

BIOL 434	Evolutionary Biology	BIOL 111, BIOL 112, BIOL 131, BIOL 132				X
BIOL 435	History & Philosophy of Science	Senior Standing			X	
BIOL 438	Plant Biology	BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 438L			X
BIOL 439	Principles of Biology	BIOL 111, BIOL 112, BIOL 131, BIOL 132	BIOL 439 L			X
BIOL 441	Histology	BIOL 231 or BIOL 232 or BIOL 341	BIOL 441L		X	
BIOL 443	Molecular Biology	Two years of college level biology and two years of college level chemistry	BIOL 443 L	X		
BIOL 446	Human Physiology Laboratory	BIOL 112 and BIOL 132	BIOL 447		X	
BIOL 447	Human Physiology	One year of college level biology and organic chemistry	BIOL 446		X	
BIOL 448	Molecular Physiology & Biophysics	Junior or Senior standing in Biology, one year of General Chemistry, one year of Organic Chemistry and one year of College Physics.				X
BIOL 450	Molecular Genetics	Junior or Senior standing in Biology			X	
BIOL 451	Parasitology	One year of college level biology; BIOL 341	BIOL 451L			X
BIOL 452	Intermediary and Cellular Metabolism	BIOL 340			X	
BIOL 454	Immunology	Senior standing in Biology	BIOL 454L	X	X	
BIOL 460	Biostatistics	BIOL 112, BIOL 132 and one year of college level mathematics		X		
BIOL 461	Environmental Sampling	Junior or Senior standing in Biology				X
BIOL 499	Biology Seminar	Junior or Senior standing in Biology.		X		



## DEPARTMENT OF CHEMISTRY

Through the Department of Chemistry, courses (CHEM) are offered at the undergraduate level for students pursuing the Bachelor of Science Degree (B.S.) in Chemistry, for students majoring in other disciplines wishing to pursue a minor in Chemistry, and for students in other academic areas requiring some preparation in Chemistry. Although only one undergraduate degree (the Bachelor of Science in Chemistry) is offered, two concentrations leading to this degree are possible for majors: (1) an American Chemical Society (ACS) approved concentration and (2) a pre-medical and a pre-dental concentration. Both concentrations are composite programs of study, and neither concentration requires the declaration of an official minor in another academic discipline. The ACS approved concentration is designed to prepare students for professional careers as chemists and to ensure their preparation for graduate study. Members of the Department are housed on the fourth floor of the New Science Building with the Department Office located in Suite 403.

At the graduate level, one degree is offered: the Master of Science (M.S.) in Chemistry. The admission criteria, requirements, and graduate courses associated with this degree are described in the Graduate School Bulletin of Texas Southern University.

Overall, the Department of Chemistry seeks to fulfill two primary missions: (1) to prepare students for professional careers in Chemistry and, eventually, graduate study; and (2) to give students, who are majoring in related fields, an understanding of fundamental principles and experimental techniques that will permit them to be successful in their chosen majors. Specific requirements for the B.S. in Chemistry, as well as the minor in Chemistry, are described below.

Students wishing to pursue either the B.S. in Chemistry or an undergraduate minor in Chemistry must first gain admission to the University, must satisfy The New TSI Assessment requirements or equivalent and eradicate identified deficiencies, and must contact the Department Office regarding the declaration of a major or minor as The New TSI Assessment requirements or equivalent are fulfilled. Although the Department has no specific criteria for accepting students as majors, it does have criteria for continuance once the major in Chemistry is declared. In order to remain as a candidate in good standing for the Bachelor of Science in Chemistry, a student must have an overall GPA of at least 2.50 with respect to courses taken in the following academic disciplines: Chemistry, Mathematics, and Physics. Students whose overall averages in these academic disciplines fall below 2.50 for two consecutive semesters and students whose fail individual courses in these targeted areas more than once will be required to seek another major. **All required Chemistry (CHEM) courses must be completed with grades of “C” or better, where grades of “C-“ are unacceptable, to qualify for graduation. All Chemistry majors are required to pass the Major Field test prior to conferral of their degree. It is recommended that all enrolled Chemistry majors to take the Major Field test during the spring semester of the junior year. The test date will be announced during the first week of the spring semester. Students who do not pass the Major Field test may take a remedial course CHEM 480 (Selected Topics in Chemistry). NOTE: if a student fails the Major Field test and takes CHEM 480, these credits will not be applicable to the total chemistry hours required for the student’s specific curriculum.**

For a minor in Chemistry, twenty-one (21) semester credit hours are required through enrollment in the following courses: CHEM 111, CHEM 112, CHEM 131, CHEM 132, CHEM 211, CHEM 212, CHEM 231, CHEM 232, CHEM 322, and CHEM 332. **Students are required to earn grades of “C or better, where grades of “C-“are unacceptable, in all of these courses.**

Each major in the Department is assigned a faculty advisor, and this advisor must approve the schedule of courses for assigned students each semester. Major are expected to keep the Department Office informed of their current local addresses and telephone numbers up to the time of graduation. By the start of the first semester of their senior year, majors should have their transcripts evaluated by the Faculty Chair to ascertain graduation status and to assure that they are eligible for degree conferral at the end of the senior year.

In summary, interested students must first gain admission to the University, must fulfill The New TSI Assessment requirements or equivalent, and must contact the Department Office with regard to the declaration of a major and/or minor and graduation requirements. An exit examination is required of graduating seniors. For further information, the Department Office should be contacted at (713) 313-7003.

**LISTING OF FACULTY IN THE DEPARTMENT**

<p><b>Clement, Jade Q.</b>  <b>Associate Professor</b>  M.D., Shandong Medical University  M.S., Chinese Academy of Preventive Medicine  Ph.D., University of Texas at Houston</p>	<p><b>Saleh, Mahmoud</b>  <b>Professor</b>  B.S., M.S., University of Cairo  Ph.D., University of California at Davis</p>
<p><b>Deng, Yuanjian</b>  <b>Professor</b>  B.S., Wuhan University  M.S., Chinese Academy of Sciences  Ph.D., University of Houston</p>	<p><b>Sapp, John B</b>  <b>Professor</b>  B.S., M.S., Texas Southern University  Ph.D., University of Houston</p>
<p><b>Good, Sonya L.</b>  <b>Associate Professor</b>  B.S., Jackson State University  Ph.D., Louisiana State University</p>	<p><b>Wei, Jacob X.</b>  <b>Professor</b>  B.S., Nanjing University  Ph.D. Nanjing University</p>
<p><b>Phan, Tuan</b>  <b>Visiting Assistant Professor</b>  B.S., Houston Baptist University  Ph.D., University of Houston</p>	<p><b>Wilkerson, Daryl F.</b>  <b>Instructor/Laboratory Coordinator</b>  B.S., Texas Southern University  M.S., Texas Southern University</p>
<p><b>Prince, Bruce M.</b>  <b>Visiting Assistant Professor</b>  B.S., California State University  Ph.D., University of North Texas</p>	<p><b>Wilson, Bobby L.</b>  <b>Professor</b>  B.S., Alabama State University  M.S., Southern University  Ph.D., Michigan State University</p>

## CHEMISTRY COURSES

- CHEM 111 General Chemistry Laboratory I (1)**  
Introduction to the methods and techniques of chemical experimentation. Three hours of laboratory per week. Prerequisite: Credit for or concurrent enrollment in CHEM 131. **Listed as CHEM 1111 in the Texas Common Course Numbering System.**
- CHEM 112 General Chemistry Laboratory II (1)**  
Continuation of CHEM 111. Three hours of laboratory per week. Prerequisites: CHEM 111 and credit for or concurrent enrollment in CHEM 132. **Listed as CHEM 1112 in the Texas Common Course Numbering System.**
- CHEM 131 General Chemistry I (3)**  
Introduction to modern theories of atomic structure, period trends, chemical bonding, molecular geometry, chemical reactions, including oxidation-reduction and stoichiometric calculations. Three hours of lecture per week. Co-requisite: MATH 133 or MATH 136. **Listed as CHEM 1311 in the Texas Common Course Numbering System.**
- CHEM 132 General Chemistry II (3)**  
Study of the states of matter, solution chemistry, concepts associated with rates of reaction, homogeneous and heterogeneous equilibria, acid-base chemistry, and fundamental thermodynamics. Three hours of lecture per week. Prerequisites: CHEM 131 and MATH 133 or MATH 136. **Listed as CHEM 1312 in the Texas Common Course Numbering System.**
- CHEM 211 Organic Chemistry Laboratory I (1)**  
Introduction to the techniques involved in the separation, purification, isolation, and characterization of typical organic compounds. An introduction to organic synthesis. Three hours of laboratory per week. Prerequisites: CHEM 111, CHEM 112, and credit for or concurrent enrollment in CHEM 231. **Listed as CHEM 2123 in the Texas Common Course Numbering System.**
- CHEM 212 Organic Chemistry Laboratory II (1)**  
Multistep synthesis and introduction to the interpretation of infrared and nuclear magnetic resonance spectra. Three hours of laboratory per week. Prerequisites: CHEM 211 and credit for or concurrent enrollment in CHEM 232. **Listed as CHEM 2125 in the Texas Common Course Numbering System.**
- CHEM 231 Organic Chemistry I (3)**  
Course for science majors dealing with the fundamentals of structure (including stereochemistry), nomenclature, physical properties, and chemical reactions of aliphatic and aromatic hydrocarbons and their derivatives. Three hours of lecture per week. Prerequisite: CHEM 132. **Listed as CHEM 2323 in the Texas Common Course Numbering System.**
- CHEM 232 Organic Chemistry II (3)**  
Continuation of CHEM 231. Study of the structure (including stoichiometry), nomenclature, physical and chemical properties, and reactions of aromatic compounds, including aldehydes, ketones, carboxylic acids, phenols and amines. Three hours of lecture per week. Prerequisite: CHEM 231. **Listed as CHEM 2325 in the Texas Common Course Numbering System.**
- CHEM 322 Quantitative Analysis Laboratory (2)**  
Practical applications of theory dealing with volumetric and gravimetric analyses. Four hours of laboratory per week. Prerequisites: CHEM 111, CHEM 112, and credit for or concurrent enrollment in CHEM 332.
- CHEM 323 Forensic Chemistry Laboratory (2)**  
Focus on laboratory techniques used in forensic chemistry. Emphasize on instrumentation, data acquisition and analysis. Topics to be covered might include serological and DNA analysis, soil and glass analysis, drug analysis, arson and explosive analysis, fabric analysis, gunshot residue analysis, paint and ink analysis, and protein identification by MALDI-TOF-MS. Prerequisites: CHEM 212, CHEM 232, CHEM 322, CHEM 332 and previous credit for concurrent enrollment in CHEM 350.

- CHEM 332 Quantitative Analysis (3)**  
Study of reactions in solution, homogenous and heterogeneous equilibrium concepts, and acid-base theory and the application of these concepts to volumetric and gravimetric analysis. Three hours of lecture per week. Prerequisite: CHEM 132.
- CHEM 343 Biochemistry (4)**  
Courses for human services/consumer science majors. Study of the chemistry of carbohydrates, proteins, lipids, digestion, and metabolism. Three hours of lecture and three hours of laboratory per week. Prerequisite: CHEM 231.
- CHEM 350 Forensic Chemistry I (3)**  
Study important aspects of chemical fundamentals to forensic science. Focus on statistical analysis of data. Advanced analytical methods will be discussed in-depth, including microscopy, spectroscopy, mass spectrometry, elemental analysis, chromatography, micro- spectrophotometry and electrophoresis. Prerequisites: CHEM 212, CHEM 232, CHEM 322 and CHEM 332
- CHEM 351 Forensic Chemistry II (3)**  
Focus on major facets of forensic chemistry. Topics to be covered including drugs as physical evidence, forensic drug analysis, drugs in the body, the chemistry of combustion and arson, explosives and trace evidence analysis. Prerequisites: CHEM 350 and previous credit for or concurrent enrollment in CHEM 323.
- CHEM 411 Physical Chemistry Laboratory I (1)**  
Course involving application of the theory of physical chemistry to experimental procedures. An introduction of the use of computers to solve chemistry problems and to write laboratory reports. Three hours of laboratory per week. Prerequisites: CS 116, CHEM 322, and credit for or concurrent enrollment in CS 117, CHEM 431, and MATH 241.
- CHEM 412 Physical Chemistry Laboratory II (1)**  
Continuation of CHEM 411. Three hours of laboratory per week. Prerequisites: CS 117, CHEM 411, and credit for or concurrent enrollment in CHEM 432.
- CHEM 431 Physical Chemistry I (3)**  
Study of important theory associated with states of matter, changes of state, chemical equilibria, thermochemistry, and thermodynamics. An introduction to vibration and rotational spectra. Three hours of lecture per week. Prerequisites: CHEM 232, CHEM 332, PHYS 238, and previous credit for or concurrent enrollment in MATH 241.
- CHEM 432 Physical Chemistry II (3)**  
Continuation of CHEM 431. Three hours of lecture per week. Prerequisites: CHEM 431 and previous credit for or concurrent enrollment in MATH 242.
- CHEM 445 Biochemistry (4)**  
Structure, physical properties, and chemical reactions of lipids, proteins, enzymes, and vitamins. An in-depth study of the processes of digestion and metabolism. Two hours of lecture and four hours of laboratory per week. Prerequisites: CHEM 212 and CHEM 232.
- CHEM 450 Inorganic Chemistry I (3)**  
Upper-level course covering an in-depth study of atomic structure, symmetry and group theory, valence bond theory, molecular orbital theory, main group elements, transition elements and coordination chemistry. Three hours of lecture per week. Prerequisites: MATH 242 and credit for or concurrent enrollment in CHEM 431 or consent of the Faculty Chair.
- CHEM 451 Inorganic Chemistry II (3)**  
Continuation of CHEM 450. It covers an in-depth study of the chemical elements and their compounds including their structures, physical properties, methods and preparation, chemical reactions, and applications. Two hours of lecture and three hours of laboratory per week. Prerequisite: CHEM 450 or approval of the Faculty Chair.

- CHEM 453 Instrumental Methods (3)**  
Focus on theory, instrumentation, and applications of modern instrumental methods of chemical analysis. Two hours of lecture and four hours of laboratory per week. Prerequisites: CHEM 322, CHEM 332, credit for or concurrent enrollment in CHEM 411, and CHEM 431 or consent of the Faculty Chair.
- CHEM 454 Research (3)**  
Upper-level chemical majors select a problem for investigation in one or a combination of several areas of chemistry under the supervision of a member of the faculty designated by the Faculty Chair of the Department. Prerequisites: CHEM 132, CHEM 232, CHEM 332, CHEM 432, or approval of the Faculty Chair.
- CHEM 460 Forensic Toxicology (3)**  
This is a one-semester course focused on the collection, extraction and analysis of drugs and poisons that are most likely encounter in forensic toxicology. Analytical methods for identification of toxicants will also be discussed. Case studies are reviewed where drug use may become a topic for forensic toxicology. Prerequisites: CHEM 323 and CHEM 350.
- CHEM 476 Organic Mechanism (3)**  
Study of the reaction intermediates and the mechanisms associated with the important, in vitro substitution, elimination, and addition reactions of aliphatic and aromatic molecules. Three hours of lecture per week. Prerequisite: CHEM 232.
- CHEM 477 Environmental Chemistry (3)**  
Principles of air, water, and soil chemistry. The fate and assessment of toxicants, pesticides, and water pollutants, including phytotoxins, mycotoxins, and heavy metals. Three hours of lecture per week. Prerequisite: CHEM 232.
- CHEM 478 Polymer Chemistry (3)**  
This course focuses on the fundamental knowledge of polymer chemistry, especially chemical synthesis, macromolecular behaviors, physical properties and characterizations of polymeric systems. Prerequisites: CHEM 231 and CHEM 232.
- CHEM 479 Biological Inorganic Chemistry (3)**  
Senior level course with topics in metal ion and proteins, transport and storage of metal ion and electron transfer in biological system. Two hours of lecture and three hours of laboratory per week. Prerequisites: CHEM 231, CHEM 232 and CHEM 445.
- CHEM 480 Selected Topics in Chemistry (1)**  
This course reviews selected topics in undergraduate chemistry education. Topics to be reviewed include important concepts and principles in general chemistry, analytical chemistry, and organic chemistry. Instrumentations for chemical analysis and characterization will also be discussed. Two hours of lecture per week. Prerequisites: CHEM 212, CHEM 232, CHEM 322 and CHEM 332.
- CHEM 499 Seminar (1)**  
Attendance and participation in weekly seminars required. Recent research developments in a wide variety of fields discussed. Students must give at least one seminar during the semester(s) that they are enrolled. May be repeated for credit up to four (4) credits maximum. Prerequisite: Consent of the Faculty Chair.

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN CHEMISTRY  
AMERICAN CHEMICAL SOCIETY (ACS) APPROVED CONCENTRATION  
TOTAL CREDIT REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (CHEMISTRY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		40 credits	40 credits	0 credits
<b>Communication:</b>		CHEM 111 (1)	BIOL 111 (1)	
ENG 131 (3) **	ENGL 1301	CHEM 112 (1)	BIOL 112 (1)	
ENG 132 (3)	ENGL 1302	CHEM 231 (3)	BIOL 131 (3)	
<b>Mathematics:</b>		CHEM 211 (1)	BIOL 132 (3)	
MATH 136 (3)	MATH 2312	CHEM 232 (3)	CHEM 4XX (3)	
<b>Life and physical sciences:</b>		CHEM 212 (1)	CS 117 (3)	
CHEM 131 (3)	CHEM 1311	CHEM 332 (3)	MATH 241 (4)	
CHEM 132 (3)	CHEM 1312	CHEM 322 (2)	MATH 242 (4)	
<b>Language, philosophy, and culture:</b>		CHEM 431 (3)	MATH 243 (4)	
ENG 2xx (3) ***		CHEM 411 (1)	MATH 251 (3)	
<b>Creative arts:</b>		CHEM 432 (3)	PHYS 251 (3)	
Creative Arts Course (3) ****		CHEM 412 (1)	PHYS 217 (1)	
<b>American history:</b>		CHEM 445 (4)	PHYS 252 (3)	
HIST 231 (3)	HIST 1301	CHEM 450 (3)	PHYS 218 (1)	
HIST 232 (3)	HIST 1302	CHEM 451 (3)		
<b>Government/political science:</b>		CHEM 453 (3)	Elective (2)	
POLS 235 (3)	GOVT 2305	CHEM 454 (3)	FS 102 (1)	
POLS 236 (3)	GOVT 2306	CHEM 499 (1)		
<b>Social and behavioral sciences:</b>				
PSY 131 (3) or SOC 157 (3)	PSYC 2301 or SOCI 1301			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (TCCB: MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)

**BACHELOR OF SCIENCE DEGREE IN CHEMISTRY  
AMERICAN CHEMICAL SOCIETY (ACS)  
APPROVED CONCENTRATION  
DEGREE PLAN – TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	CHEM 131 General Chemistry I Lec	3	CHEM 132 General Chemistry II Lec	3
	CHEM 111 General Chemistry I Lab	1	CHEM 112 General Chemistry II Lab	1
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 136 Precalculus Mathematics	3	MATH 241 Calculus & Analytic Geometry I	4
	FS 102 Freshman Seminar	1		
		<b>15 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	CHEM 231 Organic Chemistry I Lec	3	CHEM 232 Organic Chemistry II Lec	3
	Chem 211 Organic Chemistry I Lab	1	Chem 212 Organic Chemistry II Lab	1
	ENG 2XX Upper Level English	3	MATH 243 Calculus & Analytic Geometry, III	4
	MATH 242 Calculus & Analytic Geometry, II	4	CS 117 Computer Science II Lec	3
	CS 116 Computer Science I Lec	3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	Elective	2
		<b>17 Hrs</b>		<b>16 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	CHEM 332 Quantitative Analysis Lec	3	CHEM 445 Biochemistry	4
	CHEM 322 Quantitative Analysis Lab	2	POLS 236 Texas Government	3
	MATH 251 Differential Equations	3	PHYS 252 University Physics II Lec	3
	POLS 235 American Government	3	PHYS 218 University Physics II Lab	1
	PHYS 251 University Physics I Lec	3	PSY 131 or SOC 157 Intro to Psychology or Sociology	3
	PHYS 217 University Physics I Lab	1	Creative Arts Course *	3
	<b>15 Hrs</b>		<b>17 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	CHEM 431 Physical Chemistry I Lec	3	CHEM 432 Physical Chemistry II Lec	3
	CHEM 411 Physical Chemistry I Lab	1	CHEM 412 Physical Chemistry II Lab	1
	CHEM 450 Inorganic Chemistry I	3	CHEM 451 Inorganic Chemistry II	3
	CHEM 454 Research	3	CHEM 453 Instrumental Analysis	3
	CHEM 499 Seminar	1	CHEM 4xx	3
	SC 135 or 136 Business & Professional Communication or Public Address	3		
		<b>14 Hrs</b>		<b>13 Hrs</b>

\* MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (TCCB: MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)

**CURRICULUM SUMMARY FOR  
BACHELOR OF SCIENCE DEGREE IN CHEMISTRY  
PRE-MEDICAL AND PRE-DENTAL CONCENTRATION  
TOTAL CREDIT HOURS: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (CHEMISTRY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		37 credits	43 credits	0 credits
<b>Communication:</b>		CHEM 111 (1)	BIOL 131 (3)	
ENG 131 (3) **	ENGL 1301	CHEM 112 (1)	BIOL 111 (1)	
ENG 132 (3)	ENGL 1302	CHEM 231 (3)	BIOL 132 (3)	
<b>Mathematics:</b>		CHEM 211 (1)	BIOL 112 (1)	
MATH 136 (3)	MATH 2312	CHEM 232 (3)	BIOL 231 (3)	
<b>Life and physical sciences:</b>		CHEM 212 (1)	BIOL 211 (1)	
CHEM 131 (3)	CHEM 1311	CHEM 332 (3)	BIOL 245 (4)	
CHEM 132 (3)	CHEM 1312	CHEM 322 (2)	BIOL 460 (3)	
<b>Language, philosophy, and culture:</b>		CHEM 431 (3)	CS 117 (3)	
ENG 2xx (3) ***		CHEM 411 (1)	MATH 241 (4)	
<b>Creative arts:</b>		CHEM 432 (3)	MATH 242 (4)	
Creative Arts Course (3) ****		CHEM 412 (1)	PHYS 237 (3)	
<b>American history:</b>		CHEM 445 (4)	PHYS 213 (1)	
HIST 231 (3)	HIST 1301	CHEM 450 (3)	PHYS 238 (3)	
HIST 232 (3)	HIST 1302	CHEM 451 (3)	PHYS 214 (1)	
<b>Government/political science:</b>		CHEM 453 (3)		
POLS 235 (3)	GOVT 2305	CHEM 499 (1)	Elective (4)	
POLS 236 (3)	GOVT 2306		FS 102 (1)	
<b>Social and behavioral sciences:</b>				
PSY 131 (3) or SOC 157 (3)	PSYC 2301 or SOCI 1301			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (TCCN: MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)



**BACHELOR OF SCIENCE DEGREE IN CHEMISTRY  
PRE-MEDICAL AND PRE-DENTAL CONCENTRATION  
APPROVED CONCENTRATION  
DEGREE PLAN – TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	CHEM 131 General Chemistry I Lec	3	CHEM 132 General Chemistry II Lec	3
	CHEM 111 General Chemistry I Lab	1	CHEM 112 General Chemistry II Lab	1
	BIOL 131 Biological Science I Lec	3	BIOL 132 Biological Science II Lec	3
	BIOL 111 Biological Science I Lab	1	BIOL 112 Biological Science II Lab	1
	ENG 131 Freshman English I *	3	ENG 132 Freshman English II	3
	MATH 136 Precalculus Mathematics *	3	MATH 241 Calculus & Analytic Geometry I	4
	FS 102 Freshman Seminar	1		
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	CHEM 231 Organic Chemistry I Lec	3	CHEM 232 Organic Chemistry II Lec	3
	Chem 211 Organic Chemistry I Lab	1	Chem 212 Organic Chemistry II Lab	1
	ENG 2XX Upper Level English	3	Elective	3
	MATH 242 Calculus & Analytic Geometry, II	4	CS 117 Computer Science II Lec	3
	CS 116 Computer Science I Lec	3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	Creative Arts Course **	3
	<b>17 Hrs</b>		<b>16 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	CHEM 332 Quantitative Analysis Lec	3	CHEM 445 Biochemistry Lec	4
	CHEM 322 Quantitative Analysis Lab	2	POLS 236 Texas Government	3
	POLS 235 American Government	3	PHYS 214 College Physics II Lab	1
	PHYS 213 College Physics I Lab	1	PHYS 238 College Physics II Lec	3
	PHYS 237 College Physics I Lec	3	BIOL 211 Cell Biology Lab	1
	PSY 131 Intro to Psychology ***	3	BIOL 231 Cell Biology Lec	3
			CHEM 499 Seminar	1
	<b>15 Hrs</b>		<b>16 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	CHEM 431 Physical Chemistry I Lec	3	CHEM 432 Physical Chemistry II Lec	3
	CHEM 411 Physical Chemistry I Lab	1	CHEM 412 Physical Chemistry II Lab	1
	CHEM 450 Inorganic Chemistry I	3	CHEM 451 Inorganic Chemistry II	3
	BIOL 460 Biostatistics	3	CHEM 453 Instrumental Analysis	3
	Elective	1	BIOL 245 Human Anatomy & Physiology	4
	SC 135 or 136 Business & Professional Communication or Public Address	3		
	<b>14 Hrs</b>		<b>14 Hrs</b>	

\* Pending acceptable scores on English and Math Placement Exams.

\*\* MUSI 136, MUSI 239, THEA 130, ART 135, or ART 137 (TCCN: MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323)

\*\*\* PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231 or ECON 232

**TWO YEAR COURSE ROTATION SCHEDULE**

x indicates a course shall be offered

COURSE NUMBER	COURSE NAME	SCH	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	COREQUISITE
Chem 111	Gen. Chem. Lab I	1	X	X	X	X	X	X		
Chem 112	Gen. Chem. Lab II	1	X	X	X	X	X	X	Chem 111	
Chem 131	Gen. Chem. I	3	X	X	X	X	X	X		Math 133 or Math 136
Chem 132	Gen. Chem. II	3	X	X	X	X	X	X	Chem 131	Math 133 or Math 136
Chem 211	Organic Chem. Lab I	1	X	X	X	X	X	X	Chem 111, 112	Chem 231
Chem 212	Organic Chem. Lab II	1	X	X	X	X	X	X	Chem 211	Chem 232
Chem 231	Organic Chem I	3	X	X	X	X	X	X	Chem 132	
Chem 232	Organic Chem. II	3	X	X	X	X	X	X	Chem 231	
Chem 322	Quan. Analysis Lab	2	X	X		X	X		Chem 111, 112	Chem 332
Chem 332	Quan. Analysis	3	X	X		X	X		Chem 132	
Chem 343	Biochemistry	4	X			X			Chem 231	
Chem 411	Physical Chem. Lab I	1	X			X			CS 116 Chem 322	CS 117, Chem 431, Math 241
Chem 412	Physical Chem. Lab II	1		X					CS 117 CHEM 411	Chem 432
Chem 431	Physical Chem. I	3	X			X			CHEM 232,332, *Phys 251	Math 241
Chem 432	Physical Chem. II	3		X			X		Chem 431	Math 242
Chem 445	Biochemistry	4		X			X		Chem 232	
Chem 450	Inorganic Chem I	3	X			X			Math 242 (Consent)	Chem 431
Chem 451	Inorganic Chem II	3		X		X			Chem 450 (Consent of Chair)	
Chem 453	Instrumental Methods	3		X		X			Chem 322, 332	Chem 411, 431
Chem 454	Research	3	X	X	X	X	X	X	Chem 132,232, Chem 332, 432	
Chem 476	Organic Mechanisms	3	X						Chem 232	
Chem 477	Environmental Chemistry	3		X					Chem 232	

COURSE NUMBER	COURSE NAME	SCH	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	COREQUISITE
Chem 478	Polymer Chemistry	3				X			Chem 232	
Chem 479	Biological Inorganic Chemistry	3					X		Chem 445, 232	
Chem 499	Seminar	1	X	X		X	X		Chem 232	
			*Physics 237, 238 required for pre-med, pre-dental track							
			* Physics 251, 252 required for ACS track							

## DEPARTMENT OF COMPUTER SCIENCE

The Department of Computer Science (<http://cs.tsu.edu>) prepares students for careers in the computing industries and advanced study. The curriculum ensures that students are exposed to the most current knowledge, theories, and principles in software development, embedded systems, hardware architectures, and network theory and applications. The curriculum provides for an understanding of the applications of theories and concepts by involving the students in research and applications development projects. The curriculum is designed to enhance the problem solving and creative thinking capabilities of students so that they have a set of skills that will increase their employment opportunities and provides the foundation for graduate study and research. The educational objectives of the Computer Science Program are as follows:

1. To prepare students to be capable of identifying and analyzing requirements for computing systems.
2. To produce graduates who are capable of designing and implementing solutions for rapidly changing computing problems and information system environments.
3. To prepare graduates with good communication skills and who are able to effectively work in teams.
4. To produce graduates who are capable of gauging the impact of computing on society, and possess knowledge of the ethical, social and professional implications and responsibilities of their work.
5. To prepare students to engage in life-long learning, to adapt to innovation and change, and to successfully pursue professional work and graduate studies.

The Department of Computer Science offers programs that lead to the Bachelor of Science in Computer Science degree and the Master of Science in Computer Science degree. Students majoring in other disciplines are encouraged to pursue a minor in Computer Science, since virtually all employers are critically dependent upon computers. Significant opportunities for employment and graduate study are also available for students in other information technology enabled fields and organizations for students with a minor in Computer Science.

These programs are designed to prepare graduates for productive work in highly complex computing environments in business, industry, and government. In recent years, many graduates of the program have obtained positions in business applications, software development, computational science and applied mathematics, and have gone to graduate school. Students majoring in computer science should set their goals to become expert software developers and to have developed the following abilities:

1. To apply knowledge of computing, mathematics, science, and business appropriate to the discipline, including the ability to analyze and evaluate performance tradeoffs of algorithms, data structures, and hardware solutions.
2. To analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. To design, implement and evaluate computing systems, processes, components, or programs to meet desired needs.
4. To function effectively on teams to accomplish a common goal.
5. To understand the professional, ethical, legal, security, social issues and responsibilities of the profession.
6. To communicate effectively with a range of audiences.
7. To analyze the local and global impact of computing on individuals, organizations and society.
8. To recognize the need for, and an ability to engage in, continuing professional development.
9. To use current techniques, skills, and tools necessary for computing practices.
10. To apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the risks and tradeoffs involved in design choices.
11. To apply design and development principles in the construction of software systems of varying complexity.

Realizing that students pursuing a bachelor's degree in computer science may have different career goals, the Department of Computer Science offers two concentrations to the Bachelor's degree in Computer Science.

**Concentration 1:** The Bachelor of Science in Computer Science with General CS Concentration is designed for students who plan to focus on software development have a broad fundamental education to allow them to address many areas of computing applications when they graduate. They may work in cooperation with professionals trained in areas other than computer science and may need to have knowledge in several subject areas. Students who major in Computer Science and prefer to follow this concentration will have elective courses that can be in computer science or any other academic discipline. The curriculum of this Concentration Is designed to provide the students with in-depth computer science knowledge but broadens it with additional knowledge from another field of their choice. This improves their competitiveness in the job market especially for jobs requiring interactions and communications with others of different educational backgrounds.

**Concentration 2:** The Bachelor of Science in Computer Science with Computer Networks Concentration is designed for students who plan to work in the rapidly growing field of computer networks. The curriculum of this Concentration is designed to provide the students with the same breadth of computer science knowledge as the other concentration but with more depth in the area of computer networks. Once they graduate, students pursuing this concentration will be ready to apply for leading industry certificates such as the Cisco Certified Network Associate (CCNA) certificate which improves their competitiveness in today's challenging job market where networking is an essential ingredient of almost every business.

The requirements for the Bachelor of Science in Computer Science are summarized at the end of this section along with the sequence in which major courses must be taken for each track. **Students must earn grades of "C" or better in all courses specific to their major in computer science.**

Each student must be admitted by the Department as a major, before attempting to meet all of the requirements for the degree. The admissions procedures are under continual review by the Departmental Curriculum and Admissions Committee. Interested students are asked to contact the Department Office during their freshman year in order to gain admission as majors. Students are responsible for completing ASSET requirements and prerequisites administered through the Student Academic Enhancement Services prior to admission to the department. The Department offices and facilities are housed on the third floor of New Technology Building with the Department Office located in Room 314. The Department website is <http://cs.tsu.edu>.

Students transferring to the University are cautioned that computer science credits transferred from other colleges and universities must be evaluated by the Department before being used to fulfill requirements for the major in Computer Science. These credits may or may not be acceptable. If these credits are judged to be unacceptable by the Department, students may be able to use them to fulfill some elective requirements.

Students pursuing the B.S. in computer science for the General CS Concentration should seek detailed advisement from their designated advisors when selecting the elective courses required for this concentration.

For a Computer Science minor, twenty-one (21) semester credit hours are required through following one of the following two concentrations:

- **Concentration I:** enrollment in the following courses: CS 120, CS 124, CS 140, CS 241, CS 243, CS 246 and one additional junior/senior level CS course of choice.
- **Concentration II:** enrollment in the following courses: CS 120, CS 124, CS 243, CS 250, CS 251, CS 350, and CS 351.

Prior to pursuing the CS minor, students must seek advisement and approval from the Department Office. Students must earn grades of "C" or better in all courses specific to the minor in computer science.

In order for students to pursue either majors or minors in the Department, they must petition for admission to the Department by completing the appropriate form which is available through the Department Office. The petition must be returned to the Department Office and must be reviewed by the Departmental Curriculum and Admissions Committee. Students must have completed the courses listed below or their equivalents:

English 131 Freshman English I  
Math 136 Pre-Calculus Mathematics  
CS 120 Introduction to Computers and Problem Solving  
CS 124 Fundamentals of Machine Computation

**Each student applying for major or minor status must have an overall grade point average (GPA) of 2.50 or better and must have earned grades of "C" or better (grades of "C" are unacceptable) in the above courses.**

The petition must be returned to the Department Office by the appropriate deadlines given below to be considered by the Departmental Curriculum and Admissions Committee:

**October 15 during Fall**

**March 15 during Spring**

**June 15 during Summer**

The number of students admitted to major and minor status on an ongoing basis is dependent upon the availability of resources on a year-to-year basis, on performance in the four courses targeted above, and on overall GPA's earned. Preference will be given to students earning the highest overall GPAs above the required minimum of 2.50. Each student will be notified of the decision of the Departmental Curriculum Admissions Committee with regard to his/her status approximately one month after the above deadlines.

Once students have been admitted to the Department as major or minor status, they are each expected to maintain an overall GPA of 2.25 or better, or they could be dismissed from the Department if more than thirty (30) semester credit hours are still required for graduation. If individual GPA's fall below 2.25 and students are within thirty (30) semester credit hours of graduation, they must contact the Department Advisor for a plan of action.

Upon admission to the Department, students are each assigned an official advisor. They are expected to keep the Department Office informed of changes in address and/or telephone numbers up to the time of graduation.

In summary, an interested student must first gain admission to the University; must meet his/her ASSET responsibility; and finally, must apply for admission to the Department once prerequisites and ASSET requirements have been met. Acceptance to major standing is not automatic, but subject to the decision of a Departmental Curriculum and Admissions Committee. Each student is provided with extensive advisement once admitted to the Department before further progression toward the completion of degree requirements is undertaken. Questions may be directed to the Department Office at (713)-313-7991 or to cs@tsu.edu.

### **Accelerated 4+1 Bachelor and Master's in Computer Science**

The 4+ 1 academic program is open to students in the College of Science, Engineering and Technology seeking a B.S. degree in Computer Science with General CS Concentration. Admission to this graduate programs is not automatic. The principal eligibility factors are the student's cumulative GPA and the Computer Science courses GPA. The five-year program includes 143 academic hours of coursework. Students entering the Master's program through the 4+1 **are not required** to complete the GRE.

Designed for the dedicated and driven TSU student, the accelerated 4+1 program combines graduate course work with advanced undergraduate course work, enabling students to earn both a bachelor and master degree within five years. It provides top undergraduate students the flexibility to begin taking classes toward their master's degree during their senior year of undergraduate studies. It also allows students to share nine credit hours between their bachelor's and master's degrees.

The accelerated 4+1 programs in Computer Science (CS) is available for students currently admitted in the Bachelor of Science (B.S.) in Computer Science program. Students entering the 4+1 accelerated program will be admitted to the Master's of Science in Computer Science thesis program or the Master of Computer Science non-thesis program. Due to the research required for the thesis based program, it may take more than one year of graduate work to complete the Master's degree.

The integration between the two programs occurs when students select their CS elective courses. The courses elected to double count (CS5XX) will apply toward the 31-hour master's degree (in addition to applying toward the 121-hour bachelor's degree). Once the bachelor's degree is completed, students will need an additional 22 credit hours to earn the master's degree.

Students interested in this program must meet the following eligibility requirements to be considered for admission:

1. Have at least 90 credits completed.
2. Have a cumulative TSU GPA of 3.0.
3. Have grades posted for all 300 level required courses.
4. Have a cumulative GPA of 3.0 or higher for computer science courses.
5. Have two semesters left in undergraduate program at time of admission to the master's program (senior year course work).

Students earning a B.S. degree can use up to nine credits of course work which must be CS 5XX courses.

Students in the 4+1 accelerated program must follow all course requirements pertaining to both programs. Satisfactory progress in the program is achieved if the student maintains a 3.00 GPA in overall graduate course work in the student's master's program. The student may drop out of the 4+1 accelerated program and return to a regular B.S. program at any point of time. Students opting to not continue with the 4+1 accelerated program will no longer be able to double count the nine hours towards their graduate degree. Those nine hours will only count for undergraduate credit for their B.S. degree.

Students who are dismissed, or voluntarily withdraw, from the 4+1 accelerated program and return to undergraduate status, are eligible to apply for admission to the stand-alone master's program in Computer Science.

## LISTING OF FACULTY IN THE DEPARTMENT

<p><b>Criner, Oscar</b>  <b>Professor</b>            Ph.D., University of California at Berkeley            B.S., Howard University</p>	<p><b>Li, Wei Wayne</b>  <b>Professor</b>            Ph.D., Chinese Academy of Sciences            M.S., Hebei University of Technology            B.S., Shaanxi Normal University</p>
<p><b>Ghemri, Lila</b>  <b>Professor and Interim Chair</b>            Ph.D., University of Bristol            B.S., University of Algiers</p>	<p><b>Lin, Cheng-Feng</b>  <b>Assistant Professor</b>            M.S., University of Texas at Arlington            B.S., North East Missouri University</p>
<p><b>Handy Maribel</b>  <b>Instructor</b>            Ph.D. Texas Southern University            M.S., Clark Atlanta University            B.A., Clark Atlanta University</p>	<p><b>Sleem, Aladdin</b>  <b>Associate Professor</b>            Ph.D., University of Louisville            M.S., University of Louisville            M.B.A., Maastricht School of Management            B.S., Cairo University</p>
<p><b>Javadian, Mohsen</b>  <b>Associate Professor</b>            M.S., University of Houston-Clear Lake            B.S., Texas Southern University</p>	<p><b>Talusani, Pratap Reddy</b>  <b>Visiting Instructor</b>            M.S., University of Houston            B.S., Osmania University</p>
<p><b>Kamel, Khaled</b>  <b>Professor</b>            Ph.D., University of Cincinnati            M.S. University of Cincinnati            M.S., University of Waterloo            B.S., Ain-Shams University            B.S., Cairo University</p>	<p><b>Ma, Li</b>  <b>Visiting Instructor</b>            M.S., University of California at Los Angeles            B.S., Peking University</p>
<p><b>Khan, M. Farrukh</b>  <b>Associate Professor</b>            Ph.D., Purdue University            M.S., University of Southern Mississippi            B.S., California Institute of Technology</p>	



## COMPUTER SCIENCE UNDERGRADUATE COURSES

- CS 116 Introduction to Computers and Their Applications I (COSC 1301) (3)**  
Study of computers as a tool for information processing, content creation and communication. Topics include: basics of computer systems; productivity tools (word processing, spread- sheets, and presentation generation); multimedia; and information retrieval and sharing. Certain sections may cover topics related to specific fields of study. Two hours of lecture and one hour of lab per week.
- CS 117 Introduction to Computers and Their Applications II (COST 1315) (3)**  
Introduction to World Wide Web applications and their design, including Web scripting languages and HTML with hands-on directed laboratory activities. Two hours of lecture and one hour of lab per week. Prerequisite: CS 116.
- CS 120 Introduction to Computers and Problem Solving (COSC 1336 or 1436) (3)**  
An integrated introduction to problem solving using computers. Teaches students how real-world problems can be solved using computer programming languages. Concepts and techniques covered include data representation and number systems, basic components of computer systems, problem solving strategies, introduction to algorithms and pseudo code, introduction to programming languages and introduction to operating systems. This course is required for computer science majors and minors. Three hours of lecture per week.
- CS 124 Fundamentals of Machine Computation (3)**  
Study of the theory and applications of discrete mathematical structures as a foundation for topics in computer science. Required for computer science majors and minors. Three hours of lecture per week. Prerequisite: MATH 136.
- CS 140 Computer Programming in Java (COSC 1337 or 1437) (3)**  
Introduction to the JAVA programming language that covers the use of object oriented programming methodologies such as class inheritance, polymorphism, multithreading, generics, GUI components, and exceptions. Required for computer science majors and minors. Three hours of lecture per week. Prerequisite: CS 120.
- CS 216 Advanced Applications I (3)**  
This course is an introduction to computer programming applications for the PC using VISUAL BASIC. The design, implementation, and testing of programs and graphical user interfaces is presented. Process of using VISUAL BASIC to access object oriented model of other applications also considered. Two hours of lecture and one hour of lab per week. Prerequisite: CS 117.
- CS 217 Advanced Applications II (3)**  
This course is a continuation of CS 216 providing advanced study of software application development in the WINDOWS environment. Development of customized software products with applications to subject matter area studied by students. Two hours of lecture and one hour of lab per week. Prerequisite: CS 216.
- CS 241 Object Oriented Programming Using C++ (3)**  
In depth study of the object oriented programming methodologies using the C++ programming language. Students will work through a number of programming exercises to explore the concepts of structures, pointers, advanced file operations, classes, inheritance, and polymorphism. Upon completion of this course, students will have been able to tackle reasonably sized projects using C++. Required for computer science majors and Concentration I minors. Three hours of lecture per week. Prerequisite: CS140.
- CS 243 Computer Organization (COSC 2325 OR 2425) (3)**

Basic concepts of digital computers: Boolean algebra, combinatorial and sequential logic design, arithmetic/logic units, control units, memory units, and input/output units, flip flops, and counters. Required for computer science majors and minors. Three hours of lecture per week. Prerequisites: CS 124.

- CS 246**      **Data and File Structures (COSC 2336 OR 2436)**      **(3)**  
Advanced programming techniques and data structures including tables, linked lists, queues and stacks are studied. Abstract data types, recursion, searching and sorting, hashing, binary trees, external storage devices, file organization, file processing techniques are presented. Required for computer science majors and Concentration I minors. Three hours of lecture per week. Prerequisites: CS243, CS 241.
- CS 248**      **Introduction to Theory of Computation**      **(3)**  
Introduction to graph theory, automata and languages, computability and complexity of algorithms is given. This course covers partial order relations, scheduling PERT, CPM, introduction to graph theory and Euler, Hamiltonian and Djikistra algorithms, finite state automata, regular expressions, grammars, and algorithm definition. Required for computer science majors. Three hours of lecture per week. Prerequisites: MATH 241, CS 243. Co requisite: CS 246.
- CS 250**      **Computer Networks Fundamentals**      **(3)**  
Introduction to the fundamental networking concepts and technologies focusing on both the conceptual and practical skills needed to understand basic networking. Students will gain an understanding of the "layered" approach to networks and examine the OSI and TCP/IP layers in detail to understand their functions and services. It provides an overview to various network devices, network addressing schemes and, finally, the types of media used to carry data across the network. Required for computer science majors and Concentration II minors Three hours of lecture per week. Prerequisites: CS 120.
- CS 251**      **Internetworking and Routing Basics**      **(3)**  
A comprehensive study of internetworking as well as routing concepts and protocols is presented to develop an understanding of how networks are linked together. An introduction to routers, their role in the network, their main hardware and software components, and the packet forwarding process is included. This course covers the foundations of static and dynamic routing protocols. It provides a detailed study of various Distance Vector as well as Link State protocols and examines their characteristics, operations, limitations, configuration, and troubleshooting techniques. Required for computer science Concentration II majors and Concentration II minors. Three hours of lecture per week. Prerequisites: CS 250.
- CS 342**      **Programming Languages and Design**      **(3)**  
Introduction to the structure and design of the programming language paradigm, formal specification of syntax, semantics, functional languages, logic languages, parallel languages, data types and interfacing procedures. Social implications of technology and safety issues are also covered. Required for computer science majors. Three hours of lecture per week. Prerequisites: CS 241, CS 248.
- CS 343**      **Microprocessor Design**      **(3)**  
This course is a rigorous study of the architecture, applications, programming, and interfacing of current microprocessors, co-processors, and controllers. Hardware and software structures found in modern digital computer systems are presented. A detailed case study using a commercial microprocessor or microcontroller will be covered. Required for computer science majors. Three hours of lecture per week. Prerequisite: CS 243.

- CS 344**      **Compiler Design and Construction**      **(3)**  
 Concepts, design, implementation and construction techniques for programming language translators, simple one-pass compiler; lexical analysis; semantics analysis, top-down, bottom-up and operator precedence parsing, left-left and left-right parser techniques. Three hours of lecture per week. Prerequisite: CS 342.
- CS 346**      **Database Management Systems**      **(3)**  
 Theory and current practices in database management systems, data organizational models, including hierarchical and networked, with relational and semantic models stressed. Required for computer science majors. Three hours of lecture per week. Prerequisites: CS 246, CS 248.
- CS 350**      **Local Area Network Fundamentals**      **(3)**  
 This course covers an introduction to LAN switching and wireless LANs and. in depth examination of the underlying concepts and processes of the common Layer 2 switching protocols and technologies. It provides the necessary knowledge required to implement, verify, and troubleshoot Local Area Networks. It also covers wireless LAN standards and concepts required to design, implement and troubleshoot wireless LANs. Required for computer science Concentration II majors and Concentration II minors. Three hours of lecture per week. Prerequisites: CS 250.
- CS 351**      **Wide Area Network Technologies**      **(3)**  
 This course is an introduction to the various wide area networks (WANs) access technologies used to connect small-to medium-sized business networks. This course introduces WAN converged applications and quality of service (QoS). It focuses on WAN technologies including PPP, Frame Relay, broadband links, and WAN security concepts. It covers the principles of traffic control and access control lists and describes how to implement IP addressing services for an Enterprise network, including how to configure NAT and DHCP. Finally, students learn how to detect, troubleshoot and correct common Enterprise network implementation issues. Required for computer science Concentration II majors and Concentration II minors. Three hours of lecture per week. Prerequisites: CS 251.
- CS 354**      **Web Application Development**      **(3)**  
 Study of concepts, technologies, and tools required for developing multi-tiered enterprise-level Web applications. The course covers the fundamental architectural elements of programming web sites that produce content dynamically. Topics include database connectivity options; distributed object technologies; n-tier client/server applications architecture; and security issues. Required for computer science Concentration II majors. Three hours of lecture per week. Prerequisites: CS 250 and CS 346.
- CS 356**      **Numerical Analysis**      **(3)**  
 This course is the study of the difference calculus, polynomial interpolation, extrapolation, data smoothing, numerical differentiation and integration, numerical solution of nonlinear differential equations, and systems of linear and nonlinear equations. Three hours of lecture per week. Prerequisites: MATH 242, MATH 330, and CS 140.
- CS 415**      **Computer Ethics and Society**      **(3)**  
 This course is a study of the ethical and social issues related to computers and computer networks. It provides an introduction to the legal, social, and ethical issues surrounding information technology and to the societal risks addressed in software testing and reliability standards. Safety and relevant legal cases will be covered. Required for computer science majors. Two hours of lecture per week. Prerequisite: Junior level standing.

- CS 434**      **Wireless Programming**      **(3)**  
This course involves a thorough introduction to wireless device programming with a focus on Wireless application development and Wireless Internet programming. After an overview of the elements and dynamics of the Wireless Internet landscape, the course focuses on the skills required for content development and management of wireless media applications. Emphasis is on developing applications that can be accessed remotely using the Wireless Application Protocol (WAP) and the Wireless Markup Language (WML) as well as standalone applications that run on platforms such as Android. Three hours of lecture per week. Prerequisites: CS 354 or instructor consent.
- CS 444**      **Introduction to Operating Systems**      **(3)**  
Introduction to the function, internal data structures, and operations of operating systems and their associated file systems. Required for computer science majors. Three hours of lecture per week. Prerequisites: CS 343.
- CS 445**      **Multimedia Applications**      **(3)**  
This course focuses on the fast emerging field of multimedia authoring and application development. It covers multimedia representation, storage, and communication. It provides the students with the basics of integrating audio, video, and textual sources into multimedia objects. Software and hardware issues related to multimedia are studied in this class. Required for computer science Concentration II majors. Three hours of lecture per week. Prerequisites: CS 354.
- CS 450**      **Network Management and Security**      **(3)**  
This course provides an introduction to the basic concepts of the network-management architectures and protocols. It covers, in detail, the implementation, operation, security, management and support of complex LAN and WAN networks to develop an understanding of the tools, procedures and standards needed for network administration. Students will learn common network management concepts and protocols such as Structure of Management Information (SMI), Management Information Base (MIB), Simple Network Management Protocol (SNMP), Remote Monitoring (Rmon), and Common Management Information Protocol (CMIP). Required for computer science Concentration II majors. Three hours of lecture per week. Prerequisites: CS 351.
- CS 451**      **Introduction to Wireless and Mobile Networks**      **(3)**  
This course provides an introduction to wireless and mobile networks and covers the following topics: mobile radio propagation; traffic engineering; cellular concepts; multiple radio access; multiple division techniques; channel allocation; mobile communication systems; existing wireless systems; network protocols; Ad Hoc and sensor networks; and wireless LANs and PANS. Required for computer science Concentration II majors. Three hours of lecture per week. Prerequisites: CS 350.
- CS 456**      **Software Engineering**      **(3)**  
Study of the principles and practices of software engineering. Topics include software quality concepts, process models, and analysis of software requirements, design methodologies, software testing, and software maintenance. Required for computer science majors. Three hours of lecture per week. Prerequisite: CS 346.
- CS 457**      **Introduction to Artificial Intelligence**      **(3)**  
Introduction to the fundamental theories, algorithms and representational structures underlying Artificial Intelligence and practice techniques for programming AI applications using Prolog. General areas covered include search techniques, production systems, planning, learning, and connectionist systems. Three hours of lecture per week. Prerequisites: CS 342.

- CS 460**      **Computer Graphics**      **(3)**  
Basic concepts of computer graphics, including programming, hardware, display technology, and data structures for both micros and high-performance workstations. Three hours of lecture per week. Prerequisites: CS 248, and CS 356.
- CS 497**      **Advanced Topics in CS**      **(3)**  
This is a study of contemporary topics and issues in computer science and associated technology. Three hours of lecture per week. Prerequisites: Senior level standing.
- CS 499**      **Capstone Project**      **(3)**  
A CS required capstone design course to encourage independent study, project design, and development. Proposal must be submitted and approved during term preceding enrollment. Required for computer science Concentration I majors. Three hours of lecture per week. Prerequisite: Consent of the Faculty Chair and Senior Level standing.

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE  
GENERAL CS CONCENTRATION  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (COMPUTER SCIENCE)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		51 credits	29 credits	0 credits
<b>Communication:</b>		CS 124 (3)	MATH 241 (4)	
ENG 131 (3) **	ENGL 1301	CS 140 (3)	MATH 242 (4)	
ENG 132 (3)	ENGL 1302	CS 241 (3)	MATH 250 (3)	
<b>Mathematics:</b>		CS 243 (3)	MATH 473 (3) or MATH 345 (3)	
MATH 136 (3)	MATH 2312	CS 246 (3)	PHYS 213 (1)	
<b>Life and physical sciences:</b>		CS 248 (3)	PHYS 214 (1)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	CS 250 (3)	PHYS 238 (3)	
PHYS 237 (3)	PHYS 1301	CS 342 (3)	FS 102 (1)	
<b>Language, philosophy, and culture:</b>		CS 343 (3)	Elective Courses (9)	
ENG 2xx (3) ***		CS 346 (3)		
<b>Creative arts:</b>		CS 415 (3)		
MUSI 136 or ART 135 (3)	MUSI 1306 OR ARTS 1301	CS 444 (3)		
<b>American history:</b>		CS 456 (3)		
HIST 231 (3)	HIST 1301	CS 499 (3)		
HIST 232 (3)	HIST 1302	CS 3xx or 4xx (3)		
<b>Government/political science:</b>		CS 4xx or 5xx (3)		
POLS 235 (3)	GOVT 2305	CS 4xx or 5xx (3)		
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
ECON 231 (3)	ECON 2301			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 120 (3)	COSC 1336 or 1436			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE  
GENERAL CS CONCENTRATION  
DEGREE PLAN – TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	CS 120 Introduction to Programming using C++	3	CS 124 Fund of Machine Comp	3
	MATH 136 Precalculus	3	CS 140 Computer Programming in Java	3
	CHEM 131 or BIOL 143 General Chemistry, Survey of Life Science	3	MATH 241 Calculus & Analytic Geometry I	4
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MUSI 136 or ART 135 (3) Music Appreciation or Topics in Contemp Art & Culture	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	FS 102 Freshman Seminar	1		
		<b>16 Hrs</b>		<b>16 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	CS 241 Object Oriented Using C++	3	CS 246 Data & File Structures	3
	CS 243 Computer Organization	3	CS 248 Theory of Computation	3
	MATH 242 Calculus & Analytic Geometry. II	4	CS 250 Computer Networks Fundamentals	3
	PHYS 213 College Physics Lab I	1	MATH 250 Linear Algebra	3
	PHYS 237 College Physics I	3	PHYS 214 College Physics Lab II	1
	ENG 2XX Any 200 Level ENG may be selected	3	PHYS 238 College Physics II	3
		<b>17 Hrs</b>		<b>16 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	CS 342 Programming Languages and Design	3	CS 346 Database Management Systems	3
	CS 343 Microprocessors Design	3	CS 300/400 CS Elective	3
	POLS 235 American Political Systems I	3	POLS 236 American Political Systems II	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	Elective Course	3	ECON 231 Principles of Economics I	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	CS 444 Operating Systems	3	CS 456 Software Engineering	3
	CS 415 Computer Ethics and Society	3	CS 499 Capstone Project	3
	CS 400/500 CS Elective	3	CS 400/500 CS Elective	3
	MATH 345 Applied Math for Scientists or MATH 473 Probability and Statistics I	3	Elective Course	3
	Elective Course	3		
		<b>15 Hrs</b>		<b>12 Hrs</b>

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE  
COMPUTER NETWORKS CONCENTRATION  
TOTAL CREDITS REQUIRED: 122**

CORE CURRICULUM (STANDARD)*		MAJOR (COMPUTER SCIENCE)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		60 credits	20 credits	0 credits
<b>Communication:</b>		CS 124 (3)	MATH 241 (4)	
ENG 131 (3) **	ENGL 1301	CS 140 (3)	MATH 242 (4)	
ENG 132 (3)	ENGL 1302	CS 241 (3)	MATH 250 (3)	
<b>Mathematics:</b>		CS 243 (3)	MATH 473 (3) or MATH 345 (3)	
MATH 136 (3)	MATH 2312	CS 246 (3)	PHYS 213 (1)	
<b>Life and physical sciences:</b>		CS 248 (3)	PHYS 214 (1)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	CS 250 (3)	PHYS 238 (3)	
PHYS 237 (3)	PHYS 1301	CS 251 (3)	FS 102 (1)	
<b>Language, philosophy, and culture:</b>		CS 342 (3)		
ENG 2xx (3) ***		CS 343 (3)		
<b>Creative arts:</b>		CS 346 (3)		
MUSI 136 or ART 135 (3)	MUSI 1306 OR ARTS 1301	CS 350 (3)		
<b>American history:</b>		CS 351 (3)		
HIST 231 (3)	HIST 1301	CS 415 (3)		
HIST 232 (3)	HIST 1302	CS 444 (3)		
<b>Government/political science:</b>		CS 450 (3)		
POLS 235 (3)	GOVT 2305	CS 451 (3)		
POLS 236 (3)	GOVT 2306	CS 456 (3)		
<b>Social and behavioral sciences:</b>		CS 499 (3)		
ECON 231 (3)	ECON 2301	CS 3xx or 4xx or 5xx (3)		
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 120 (3)	COSC 1336 or 1436			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)



**BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE  
COMPUTER NETWORKS CONCENTRATION  
DEGREE PLAN – TOTAL CREDITS: 122**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	CS 120 Introduction to Programming using C++	3	CS 124 Fund of Machine Comp	3
	MATH 136 Precalculus	3	CS 140 Computer Programming in Java	3
	CHEM 131 or BIOL 143 General Chemistry, Survey of Life Science	3	MATH 241 Calculus & Analytic Geometry I	4
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MUSI 136 or ART 135 (3) Music Appreciation or Topics in Contemp Art & Culture	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	FS 102 Freshman Seminar	1		
		<b>16 Hrs</b>		<b>16 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	CS 241 Object Oriented Using C++	3	CS 246 Data & File Structures	3
	CS 243 Computer Organization	3	CS 248 Theory of Computation	3
	CS 250 Computer Networks Fundamentals	3	CS 251 Internetworking and Routing Basics	3
	MATH 242 Calculus & Analytic Geometry. II	4	MATH 250 Linear Algebra	3
	PHYS 213 College Physics Lab I	1	PHYS 214 College Physics Lab II	1
	PHYS 237 College Physics I	3	PHYS 238 College Physics II	3
		<b>17 Hrs</b>		<b>16 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	CS 342 Programming Languages and Design	3	CS 343 Microprocessors Design	3
	CS 346 Database Management Systems	3	CS 351 Wide Area Networks Technologies	3
	CS 350 Local Area Networks Fundamentals	3	POLS 236 American Political Systems II	3
	POLS 235 American Political Systems I	3	HIST 232 Social & Political History of the United States since 1877	3
	HIST 231 Social & Political History of the United States to 1877	3	ENG 2XX Any 200 Level ENG may be selected	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	CS 415 Computer Ethics and Society	3	CS 444 Operating Systems	3
	CS 450 Network Management and Security	3	CS 451 Introduction to Wireless and Mobile Networks	3
	CS 300 / 400 / 500 Elective	3	CS 456 Software Engineering	3
	MATH 345 Applied Math for Scientists or MATH 473 Probability and Statistics I	3	CS 499 Capstone Project	3
	ECON 231 Principles of Economics I	3		
		<b>15 Hrs</b>		<b>12 Hrs</b>

**ACCELERATED 4+1 BACHELOR AND MASTER DEGREE IN COMPUTER SCIENCE**  
**GENERAL CS CONCENTRATION**  
**TOTAL CREDITS REQUIRED:141**

CORE CURRICULUM (STANDARD)*		MAJOR (COMPUTER SCIENCE)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		79 credits	20 credits	0 credits
<b>Communication:</b>		CS 124 (3)	MATH 241 (4)	
ENG 131 (3) **	ENGL 1301	CS 140 (3)	MATH 242 (4)	
ENG 132 (3)	ENGL 1302	CS 241 (3)	MATH 250 (3)	
<b>Mathematics:</b>		CS 243 (3)	MATH 473 (3) or MATH 345 (3)	
MATH 136 (3)	MATH 2312	CS 246 (3)	PHYS 213 (1)	
<b>Life and physical sciences:</b>		CS 248 (3)	PHYS 214 (1)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	CS 250 (3)	PHYS 238 (3)	
PHYS 237 (3)	PHYS 1301	CS 342 (3)	FS 102 (1)	
<b>Language, philosophy, and culture:</b>		CS 343 (3)		
ENG 2xx (3) ***		CS 346 (3)		
<b>Creative arts:</b>		CS 415 (3)		
MUSI 136 or ART 135 (3)	MUSI 1306 OR ARTS 1301	CS 444 (3)		
<b>American history:</b>		CS 456 (3)		
HIST 231 (3)	HIST 1301	CS 499 (3)		
HIST 232 (3)	HIST 1302	CS 3xx/4xx Elective (3)		
<b>Government/political science:</b>		CS 4xx Elective(3)		
POLS 235 (3)	GOVT 2305	CS 511 (3)		
POLS 236 (3)	GOVT 2306	CS 531 (3)		
<b>Social and behavioral sciences:</b>		CS 541 (3)		
ECON 231 (3)	ECON 2301	CS 551 (3)		
<b>Institutional Options:</b>		CS 599 (1)		
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315	CS 500/600 elective or CS 698 (3)		
CS 120 (3)	COSC 1336 or 1436	CS 697 or CS 699 (3)		
		CS 500/CS600 Elective (3)		
		CS 500/CS600 Elective (3)		
		CS 500/CS600 Elective (3)		
		CS 500/CS600 Elective (3)		

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**ACCELERATED 4+1 BACHELOR AND MASTER DEGREE IN COMPUTER SCIENCE  
GENERAL CS CONCENTRATION**

**TOTAL CREDITS: 141**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	CS 120 Introduction to Programming using C++	3	CS 124 Fund of Machine Comp	3
	MATH 136 Precalculus	3	CS 140 Computer Programming in Java	3
	CHEM 131 or BIOL 143 General Chemistry, Survey of Life Science	3	MATH 241 Calculus & Analytic Geometry I	4
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MUSI 136 or ART 135 (3) Music Appreciation or Topics in Contemp Art & Culture	3	SC 135 or 136 Business & Professional Communication or Public Address	3
	FS 102 Freshman Seminar	1		
	<b>16 Hrs</b>		<b>16 Hrs</b>	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	CS 241 Object Oriented Using C++	3	CS 246 Data & File Structures	3
	CS 243 Computer Organization	3	CS 248 Theory of Computation	3
	MATH 242 Calculus & Analytic Geometry. II	4	POLS 235 American Political Systems I	3
	CS 250 Computer Networks Fundamentals	3	MATH 250 Linear Algebra	3
	PHYS 213 College Physics Lab I	1	PHYS 214 College Physics Lab II	1
	PHYS 237 College Physics I	3	PHYS 238 College Physics II	3
	<b>17 Hrs</b>		<b>16 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	CS 342 Programming Languages and Design	3	CS 346 Database Management Systems	3
	CS 343 Microprocessors Design	3	CS 300 / 400 CS Elective	3
	MATH 345 Applied Math for Scientists or MATH 473 Probability and Statistics I	3	POLS 236 American Political Systems II	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	ENG 2XX Any 200 Level ENG may be selected	3	ECON 231 Principles of Economics I	3
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	CS 444 Operating Systems	3	CS 456 Software Engineering	3
	CS 415 Computer Ethics and Society	3	CS 499 Capstone Project	3
	CS 4XX (Elective)	3	CS 5XX (Core)	3
	CS 5XX (Core)	3	CS 500/600 Elective	3
	CS 500/600 Elective	3		
	<b>15 Hrs</b>		<b>12 Hrs</b>	

Fifth Year	NINTH SEMESTER		TENTH SEMESTER	
	CS 5XX (Core)	3	CS 697 or CS 699 Thesis	3
	CS 5XX (Core)	3	CS 500/600 Elective	3
	CS 599	1	CS 500/600 Elective	3
	CS 500/600 elective or CS 698 Thesis	3		
	<b>10 Hrs</b>		<b>9 Hrs</b>	

## Department of Computer Science Rotation Table

COURSE #	COURSE NAME	CREDIT HOURS	EVEN	ODD	ODD	ODD	EVEN	EVEN	PREREQUISITES	CO-REQUISITES
			YEAR	YEAR	YEAR	YEAR	YEAR	YEAR		
			FALL	SPRING	SUM	FALL	SPRING	SUM		
CS 116	Intro to Computers and Their Applications I	3	X	X	X	X	X	X		
CS 117	Intro to Computers and Their Applications II	3	X	X	X	X	X	X		
CS 120	Intro to Comp & Problem Solving	3	X	X	X	X	X	X	MATH 136	
CS 124	Fund Mach Computation	3	X	X		X	X			
CS 140	Computer Programming in Java	3	X	X	X	X	X	X	CS 120	
CS 216	Advanced Applications I	3	X			X			CS 117	
CS 217	Advanced Applications II	3		X			X		CS 216	
CS 241	Object Oriented Prog in Using C++	3	X	X		X	X		CS 140	
CS 243	Computer Organization	3	X	X		X	X		CS 124	
CS 246	Data & File Structures	3	X	X		X	X		CS 124 , CS 140	
CS 248	Theory of Computation	3		X			X			CS 246
CS 250	Computer Networks Fundamentals	3	X	X		X	X		CS 120	
CS 251	Internetworking and Routing Basics	3		X			X		CS 250	
CS 342	Programming Lang & Design	3	X			X			CS 241, CS 248	
CS 343	Programming Lang and Design	3	X			X			CS 243	
CS 344	Compiler Design and Costruction	3		X			X		CS 342	
CS 346	Database Management Systems	3	X			X			CS 246, CS 248	
CS 350	LAN Fundamentals	3	X			X			CS 251	
CS 351	Wide Area Networks Technologies	3		X			X		CS 350	
CS 354	Web Application Development	3		X			X		CS 250, CS 346	

COURSE #	COURSE NAME	CREDIT HOURS	FALL	SPRING	SUM	FALL	SPRING	SUM	PREREQUISITES	COREQUISITES
CS 356	Numerical Analysis	3	X			X			MATH 242, MATH 330, AND CS 140	
CS 415	Computer Ethics and Society	3		X			X		JUNIOR LEVEL STANDING	
CS 434	Wireless Programming	3	X			X				
CS 444	Operating Systems	3		X			X		CS 343 , CS 346	
CS 445	Multimedia Applications	3		X			X		CS 354	
CS 450	Network Management and Security	3	X			X			CS 351	
CS 451	Introduction to Wireless Network	3		X			X		CS 350	
CS 456	Software Engineering and Testing	3		X			X		CS 346	
CS 457	Artificial Intelligence	3		X			X		CS 342	
CS 460	Computer Graphics	3		X		X			CS 248, CS 356	
CS 497	Advanced Topic in CS	3	X			X			SENIOR LEVEL STANDING	
CS 499	Capstone Project	3		X			X		SENIOR LEVEL STANDING	
CS 511	Alg Analysis & Data Structures	3	X			X				
CS 531	Computer Architectures	3	X			X				
CS 541	Operating Systems	3		X			X			
CS 551	Theory of Computation	3		X			X			
CS 545	Computer Networks	3	X			X				
CS 547	Computer Security	3		X			X			
CS 571	Artificial Intelligence	3		X			X			
CS 583	Data Mining	3	X			X				
CS 591	Web Services	3	X			X				
CS 599	Graduate Seminar in CS	1	X	X		X	X			
CS 661	Advanced Software Engineering	3	X			X				
CS 681	Advanced Database Management Systems	3	X			X				
CS 696	Special Topics in Computer Science	3	X			X				
CS 697	Independent Master Project	3	X	X	X	X	X	X		
CS 698	Master's Thesis Research I	1-3	X	X	X	X	X	X		
CS 699	Master's Thesis Research II	1-3	X	X	X	X	X	X		

COURSE #	COURSE NAME	CREDIT HOURS	FALL	SPRING	SUM	FALL	SPRING	SUM	PREREQUISITES	CO-REQUISITES
CS 356	Numerical Analysis	3	X			X			MATH 242, MATH 330, AND CS 140	
CS 415	Computer Ethics and Society	3		X			X		JUNIOR LEVEL STANDING	
CS 434	Wireless Programming	3	X			X				
CS 444	Operating Systems	3		X			X		CS 343 , CS 346	
CS 445	Multimedia Applications	3		X			X		CS 354	
CS 450	Network Management and Security	3	X			X			CS 351	
CS 451	Introduction to Wireless Network	3		X			X		CS 350	
CS 456	Software Engineering and Testing	3		X			X		CS 346	
CS 457	Artificial Intelligence	3		X			X		CS 342	
CS 460	Computer Graphics	3		X		X			CS 248, CS 356	
CS 497	Advanced Topic in CS	3	X			X			SENIOR LEVEL STANDING	
CS 499	Capstone Project	3		X			X		SENIOR LEVEL STANDING	
CS 511	Alg Analysis & Data Structures	3	X			X				
CS 531	Computer Architectures	3	X			X				
CS 541	Operating Systems	3		X			X			
CS 551	Theory of Computation	3		X			X			
CS 545	Computer Networks	3	X			X				
CS 547	Computer Security	3		X			X			
CS 571	Artificial Intelligence	3		X			X			
CS 583	Data Mining	3	X			X				
CS 591	Web Services	3	X			X				
CS 599	Graduate Seminar in CS	1	X	X		X	X			
CS 661	Advanced Software Engineering	3	X			X				
CS 681	Advanced Database Management Systems	3	X			X				
CS 696	Special Topics in Computer Science	3	X			X				
CS 697	Independent Master Project	3	X	X	X	X	X	X		
CS 698	Master's Thesis Research I	1-3	X	X	X	X	X	X		
CS 699	Master's Thesis Research II	1-3	X	X	X	X	X	X		

## DEPARTMENT OF ENGINEERING

The mission of the Department of Engineering is to provide an overall high quality, application-oriented curriculum in engineering and engineering technology. These curricula are designed to prepare students for careers as engineers and engineering technologists who have the ability to understand new developments, adapt to change, embrace professional development opportunities, and assume professional roles in their respective fields.

Through this instructional unit, courses are offered in the following disciplines: Civil Engineering (CIVE), Electrical and Computer Engineering (ECE), Civil Engineering Technology (CIVT), Computer Engineering Technology (CMET) and Electronics Engineering Technology (ELET). The Bachelor of Science degree (B.S.) in the aforementioned areas is offered at the undergraduate level. No graduate degrees are offered through this unit. The Electronics Engineering Technology program in the College of Science, Engineering and Technology (COSET) is accredited by the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology (ETAC of ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202-4012 – Telephone: (410)347-7700. Members of the department are housed on the first floor of the Leonard H.O. Spearman Technology Building with the department office located in Suite 101.

Students wishing to pursue the B.S. degree or declare a major in the department must first gain admission to the university. Then, they must satisfy TSI Assessment requirements or equivalent and eradicate identified deficiencies through the Office of Student Success. Finally they must contact the department for admission after TSI Assessment requirements or equivalent has been completed and deficiencies remedied. Students within this department are not required to declare a minor in another academic discipline. Students wishing to declare a minor in Engineering or Engineering Technology should contact the Department office once they have been admitted as majors in other academic units of the University and have met all TSI Assessment requirements.

### Admission Requirements (ECE & CIVE)

All applicants seeking admission to the Department of Engineering must first satisfy all Texas Southern University admission requirements. Admission to the Department of Engineering is open to incoming new freshmen, transfer students, and internal transfer students. Admission to the Department of Engineering is selective. Declaration of the desired curriculum in the Department of Engineering does not guarantee admission into the degree program selected.

#### **Incoming New Freshman**

After receiving admission to TSU, applicants will be evaluated for admission by the Department of Engineering based on cumulative high school grade point average and composite ACT or SAT scores. Applicants will be notified by the Department of Engineering about their admission status.

#### **Requirements**

- 2.75 GPA in all Math and Science Courses
- Cumulative GPA of 2.75
- Composite ACT Minimum of 23 (SAT Critical Reading + Math 1080)
- TSI responsible students will sign contract for conditional Admission with Advisor and will be advised to enroll in Core classes to raise Math and Science GPA

Academic standards to be considered for priority admission to the Department of Engineering:

1. Graduate high school with a GPA of 3.0
2. Rank in the top 25% of your class
3. Complete math requirements up to Calculus I with a grade of 3.0 or better

#### **Internal Transfer Students\*\*\***

Applicants will be evaluated for admission by the Department of Engineering based on cumulative TSU grade point average and courses taken.

Applicants will be notified by the Department of Engineering about their admission status.

Academic standards to be considered for transfer to the Department of Engineering:

1. Earned a 2.75\*\* or better Cumulative TSU GPA
2. Successful completion of the following courses with 2.75 GPA or better
  - Calculus 1
  - Calculus 2
  - Chemistry 131/111
  - Physics 251/217
  - ENGR 131
  - CIVE or ECE 110

## **Transfer Students**

After admission to TSU, applicants will be evaluated for admission by the Department of Engineering based on cumulative college or university grade point average and courses taken. Applicants will be notified by the Department of Engineering about their admission status. Applications from all transfer students will be evaluated on a case-by-case basis. Applicants must meet application deadlines.

Minimum academic standards to be considered for admission to the Department of Engineering:

1. Earn a 2.75\*\* GPA on all transfer coursework in Science\*, Math, and Engineering

\*Science Courses are defined as:

- Biology 131/131L, 143/143L or Higher
- Chemistry 131/111, 132/112 or Higher
- Geology 141
- Physics 237/213, 238/214, 251/217, 252/218 or Higher

## **Internal Transfer Students\*\*\***

Applicants will be evaluated for admission by the Department of Engineering based on cumulative TSU grade point average and courses taken.

Applicants will be notified by the Department of Engineering about their admission status.

Academic standards to be considered for transfer to the Department of Engineering:

1. Earned a 2.75\*\* or better Cumulative TSU GPA
2. Successful completion of the following courses with 2.75 GPA or better

- Calculus 1
- Calculus 2
- Chemistry 131/111
- Physics 251/217
- ENGR 131
- CIVE or ECE 110

\*\*Students (Transfer or Major Change) who have completed ACT/SAT within the last 5 years with scores of 23/1080 and have a college GPA of 2.50 or better will be evaluated by the Department Chair and/or Faculty Advisors for acceptance.

\*\*\*Subsequent coursework (i.e. work taken in recent terms) above the levels of courses outlined above must be completed with a "C" or better grade. For example, applicants must have a "B" or better grade in Calculus 1; and must receive a minimum "C" grade in all consecutive Math and Major classes.

## **Electronics Engineering Technology Program**

The Electronics Engineering Technology (ELET) program provides students with the knowledge and skills needed to enter the workforce and advance as professional engineering technologists in the field of electronics. The curriculum of the program is designed to provide students with a solid foundation of knowledge and a range of skills in:

- circuit theory and design,
- digital and analog electronics,
- fundamentals of microprocessor architecture and interfacing,
- control systems,
- computer networks, and
- basic computer programming.

*The Electronics Engineering Technology program at Texas Southern University is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>.*

### **ELET Program Educational Objectives (PEOs):**

The educational objectives of the ELET program describe what graduates are expected to attain within three years of graduation. Within three years of graduation, the ELET graduates are expected to:

1. Be employed and have successful careers in the electronics engineering technology field where they use their knowledge in design, development, and operation of solutions that respond to the needs in the society as well as the profession;
2. Hold leadership positions within their organizations; and
3. Continue their life learning journey by taking professional development steps, such as an advanced degree in engineering or completing a certificate program, to advance themselves in their profession.



## **ELET Student Outcomes (SOs)**

To help our graduates achieve these program objectives after their graduation, the curriculum of the ELET program is designed with ensure that students, upon their graduation from the program, are equipped with the knowledge and skills they need to pursue a successful career as electronics engineering technologists. Upon the graduation from the Electronics Engineering Technology program, students will have the following skills:

- a. An appropriate mastery of the knowledge, techniques, skills and modern tools of their disciplines,
- b. An ability to apply current knowledge and adapt to emerging applications of mathematics, science, engineering and technology,
- c. An ability to conduct, analyze and interpret experiments and apply experimental results to improve processes,
- d. An ability to apply creativity in the design of systems, components or processes appropriate to program objectives,
- e. An ability to function effectively on teams,
- f. An ability to identify, analyze and solve technical problems,
- g. An ability to communicate effectively,
- h. A recognition of the need for, and an ability to engage in lifelong learning,
- i. An ability to understand professional, ethical and social responsibilities,
- j. A respect for diversity and a knowledge of contemporary professional, societal and global issues, and
- k. A commitment to quality, timeliness, and continuous improvement.

### **Major Changes are only accepted prior to November 15 (Spring) and June 15 (Fall)**

Each major in the department is assigned a faculty advisor, and this advisor must approve the schedule of courses prior to registration each semester. In addition to academic course work, a student pursuing the B.S. in Civil Engineering must undertake a six (6) semester credit hours practicum (internship) (CIVE 430) to meet the degree requirements. In the event that a suitable internship cannot be located prior to graduation, the student may then take six credit hours (6) of the senior project (CIVE 400) to fulfill this requirement.

Prior to graduation, majors must pass an exit examination during their senior year. Students within the ECE, ELET and CMET program who received an “unsatisfactory” grade in the exit exam will register for the Special Topics course in their discipline to fulfill this requirement for graduation. These requirements give the student an opportunity to master a particular aspect of the discipline in depth.

Students within the CIVE and CIVT program will be exempted from taking the exit exam after presenting documented proof of registration for the next upcoming engineering board exam (EIT).

For students majoring in other academic disciplines who wish to pursue a minor in Engineering or Engineering Technology, twenty-one (21) semester credit hours are required. Minor options are available in ECE, CIVT, CMET, and ELET. Students are cautioned that grades of “C-” and below are not accepted for the twenty-one (21) semester credit hours referenced.

- For the minor in Electrical and Computer Engineering (ECE), completion of 21 semester credit hours is required. Please see the Department of Engineering for the list of the ECE minor course requirements.
- For the minor in Electronics Engineering Technology (ELET), completion of 21 semester credit hours is required. Please see the Department of Engineering for the list of the ELET minor course requirements.
- For the minor in Computer Engineering Technology (CMET), completion of 21 semester credit hours is required. Please see the Department of Engineering for the list of the CMET minor course requirements.
- For the minor in Civil Engineering Technology (CIVT), completion of 21 semester credit hours is required. Please see the Department of Engineering for the list of the CIVT minor course requirements.

To ensure quality instruction and outcome competencies, course sequence restrictions will be observed for all Engineering and Engineering technology minors. The minor in Engineering programs are also required to complete the following three mathematics courses in conjunction with the designated twenty-one (21) semester credit hours: MATH 241 (4 Credits), Math 242 (4 credits), MATH 243 (4 credits), and MATH 251 (3 credits). The minor in Engineering Technology programs are also required to complete the following three mathematics courses or their equivalents in conjunction with the designated twenty-one (21) semester credit hours: MATH 133 (3 Credits), Math 134 or MATH 136 (3 credits), and MATH 241 (4 credits). The Chair in the Department, prior to enrollment, must approve all courses and an overall program of study for each minor.

Detailed plans of study of the five (5) programs leading to B.S. in Engineering or Engineering Technology, including the sequence of courses that must be taken are shown below. As is the case for a major or minor in Engineering and Engineering Technology, grades below “C” including “C-”, are unacceptable in course specific to the major. Additional information may be obtained directly from the Department Office or by calling (713)313-7119.

### Listing of Faculty in the Department

<p><b>Afiesimama, Boma T., P.E.</b>  <b>Associate Professor</b>            B.S., University of Michigan            M. Eng., Texas A&amp;M University            D. Eng., Texas A&amp;M University</p>	<p><b>Thomas, Graham</b>  <b>Professor</b>            B.S., New Mexico State University            M.S., New Mexico State University            Ph.D., New Mexico State University</p>
<p><b>Chen, Xuemin</b>  <b>Professor</b>            B.Eng., Nanjin University of Science and Technology, China            M.Eng., Nanjing University of Science and Technology, China            Ph.D., Nanjing University of Science and Technology, China</p>	<p><b>Wanyan, Yachi, P.E.</b>  <b>Assistant Professor</b>            B.S., Tongji University, Shanghai, China            B.E., Tongji University, Shanghai, China            MSCE, University of Texas at El Paso            Ph.D., University of Texas at El Paso</p>
<p><b>Darayan, Shahryar</b>  <b>Professor</b>            B.S., Tabriz University, Iran            M.S.E.E., University of Houston            Ph.D., University of Houston</p>	<p><b>Wolde-Kirkos, Abate, P.E.</b>  <b>Assistant Professor</b>            B.S., University of Calicut, India            M.S., Indian Institute of Technology, India            Ph.D., University of Roorkee, India</p>
<p><b>Olowokere, David, P.E.</b>  <b>Professor</b>            B.S., Ahmadu Bello University, Nigeria            M.S., Queen’s University, Kingston, Canada            Ph.D., State University of New York</p>	<p><b>Zhang, Yuhong</b>  <b>Associate Professor</b>            B.Sc., Shandong University, China            M.Sc., University of Manitoba, Canada            Ph.D., University of Toledo</p>
<p><b>Saneifard, Rasoul, P.E.</b>  <b>Professor</b>            B.S.E.E., Prairie View A&amp;M University            M.S.E., Prairie View A&amp;M University            Ph.D., New Mexico State University</p>	<p><b>Ajofoyinbo, Abayomi</b>  <b>Visiting Assistant Professor</b>            M.S., University of Lagos, Nigeria            M.S., University of Lagos, Nigeria            Ph.D., University of Lagos, Nigeria</p>
<p><b>Sahin, Ismet</b>  <b>Assistant Professor</b>            B.S., Cukurova University, Turkey            M.S., University of Florida, Florida            Ph.D., University of Pittsburgh, Pennsylvania</p>	<p><b>Robin-Stoute, Marcia</b>  <b>Visiting Instructor</b>            B.S., Texas Southern University            M.S., Texas Southern University</p>

## CIVIL ENGINEERING COURSES

- CIVE 110**                    **Introduction to Civil Engineering**                    **(1)**  
Overview of the various fields of civil engineering and career opportunities in Civil engineering. Path to professional licensure. Introduction to fundamental engineering concepts, engineering design, engineering ethics, and professional societies. Course required for freshmen and transfer students during their first fall semester enrollment in civil engineering.
- CIVE 141**                    **Civil Engineering Materials**                    **(3)**  
Introduction to materials and equipment for civil engineering construction. Properties and uses discussed of steel, alloys, asphalt, timbers, cement, aggregates, acoustics, etc. Three hours of lecture per week. Co-requisite: CIVE 141L.
- CIVE 141L**                    **Civil Engineering Materials Lab**                    **(1)**  
Laboratory testing of properties of steel, alloys, asphalt, timbers, cement, aggregates, acoustics, etc. Co-requisite: CIVE 141.
- CIVE 223**                    **Hydrology & Water Resources Engineering**                    **(3)**  
Introduction to the science of hydrology and application. Hydro-meteorology ground-water, hydrographic, storm water control, free surface flow and water quality. Three hours of lecture and two hours of laboratory per week. Prerequisite: MATH 241.
- CIVE 224**                    **Geotechnical Engineering**                    **(3)**  
Engineering properties of soil, application of science and engineering principles, methods of exploration, testing, and classification using ASTM and AASHTO laboratory methods. Three hours of lecture per week. Prerequisites: MATH 241 and CIVE 141. Co-requisite: CIVE 224L.
- CIVE 224L**                    **Geotechnical Engineering Lab**                    **(1)**  
Laboratory testing of geotechnical material, and its classification using ASTM and AASHTO laboratory methods.. Two hours of laboratory per week. Prerequisite: CIVE 141L Co-requisite: CIVE 224.
- CIVE 231**                    **Plane Surveying**                    **(3)**  
Theory and practice of plane surveying; instruments, measurements of distances, angles, elevations; introduction to traverse, contour, and electronic distance measurements. Two hours of lecture and two hours of laboratory per week. Prerequisite: MATH 241. **Listed as ENGR 1407 in the Texas Common Course Numbering System.**
- CIVE 232**                    **Statics**                    **(3)**  
Introduction to applications of equilibrium of rigid bodies, including moments, couples, and moments of inertia. Three hours of lecture per week. Prerequisites: MATH 241 and PHYS 251. **Listed as ENGR 2301 in the Texas Common Course Numbering System.**
- CIVE 233**                    **Dynamics**                    **(3)**  
Principles of kinetics, kinematics, Newton's laws of motion, vectors, simple harmonic motion, and energy. Two hours of lecture per week. Prerequisites: CIVE 232 and MATH 241. **Listed as ENGR 2302 in the Texas Common Course Numbering System.**
- CIVE 301**                    **Environmental Engineering**                    **(3)**  
Introduction to sanitary microbiology and sanitary chemistry, communicable diseases, solid waste; environmental sanitation; environmental regulations; water and airborne diseases, transmission and control. Two hours of lecture and two hours of laboratory per week. Prerequisites: CHEM 111, CHEM 131 and CIVE 223.

<b>CIVE 301L</b>	<b>Environmental Engineering Lab</b> Introduction to sanitary microbiology and sanitary chemistry, communicable diseases, solid waste; environmental sanitation; environmental regulations; water and airborne diseases, transmission and control. Two hours of laboratory per week. Co-requisite: CIVE 301.	<b>(1)</b>
<b>CIVE 332</b>	<b>Applied Fluid Mechanics</b> Fluid mechanics with engineering applications, properties of fluids, pressure, kinematics, energy, and flow through pipes. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 241 and CIVE 232.	<b>(3)</b>
<b>CIVE 333</b>	<b>Hydraulics Engineering</b> Introduction to quantitative hydrology, open channel flow, flow in conduits, hydraulic structures, flow measurements, and pumps. Two hours of lecture and two hours of laboratory per week. Prerequisites: CIVE 332 and MATH 251.	<b>(3)</b>
<b>CIVE 334</b>	<b>Transportation Engineering</b> Study of transportation engineering concepts, planning, traffic flow, capacity analysis, environmental and utility accommodations, and transportation economics analysis. Three hours of lecture per week. Prerequisite: CIVE 231.	<b>(3)</b>
<b>CIVE 335</b>	<b>Geometric Design of Highways</b> Theory and application of the parameters that impact the geometric design of highways and other roadways. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 241 and CIVE 334.	<b>(3)</b>
<b>CIVE 336</b>	<b>Strength of Materials</b> Physical properties of engineering materials; concepts of stress and loading; shear force and bending moments of structural materials subjected to axial, torsional and bending loads. Three hours of lecture per week. Prerequisites: MATH 242, CIVE 232, and PHYS 251.	<b>(3)</b>
<b>CIVE 338</b>	<b>Structural Analysis</b> Study of determinate structures with emphasis on both the analytical and graphical approaches to trusses and building frames. Three hours of lecture per week. Prerequisite: CIVE 336.	<b>(3)</b>
<b>CIVE 339</b>	<b>Reinforced Concrete Design</b> Concrete materials and properties, mixing and placement, concrete tests, design of concrete structures, elastic theory, stresses, beams, foundations, columns, and floor slabs. Three hours of lecture per week. Prerequisite: CIVE 338.	<b>(3)</b>
<b>CIVE 340</b>	<b>Structural Steel Design</b> Design in steel of tension members, beams, columns, welded and bolted connections; eccentrically loaded and moment resistant joints; plate girders. Plastic design; load and resistance factor design. Composite construction; introduction to computer-aided design. Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVE 338.	<b>(3)</b>
<b>CIVE 400</b>	<b>Civil Engineering Project</b> Design of Civil Engineering related projects, application of criteria, city code approvals, and independent experimental study. One hour of lecture and three hours of laboratory per week. Prerequisite: Senior standing and consent of the instructor.	<b>(3-6)</b>



## ELECTRICAL AND COMPUTER ENGINEERING COURSES

- ECE 110 Introduction to Electrical and Computer Engineering (1)**  
This course provides an integrated introduction to electrical engineering and computer engineering. It covers the principles of electrical and computer engineering including sinusoidal wave forms, electrical measurements, digital circuits, and applications of electrical and computer engineering. One hour of lecture per week. Prerequisite: course required for freshmen and transfer students during their first fall semester enrollment in electrical and computer engineering.
- ECE 130 Programming for Engr. Applications (3)**  
Use of the C++ language as a problem-solving tool is emphasized, including algorithm approaches to problem and computer program design for engineers. Three hours of lecture per week.
- ECE 111 Circuit Analysis Lab I (1)**  
Laboratory activities on electronic circuits, Ohm's law, voltage, current, resistance, and basic test instruments are emphasized. Two hours of laboratory per week. Co-requisite: ECE 131.
- ECE 131 Circuit Analysis I (3)**  
Direct current topics covered: current, voltage, resistance, power, energy, series and parallel circuits, combination circuits, Ohm's law, Kirchhoff's rules, inductance, capacitance, and magnetism. Three hours of lecture per week. Prerequisite: MATH 241. Co-requisite: ECE 111.
- ECE 211 Circuit Analysis Lab II (1)**  
Practical experiences in the measurement and analysis of alternating current with voltage, impedance, and phasor experiments are studied. Two hours of laboratory per week. Co-requisite: ECE 231.
- ECE 215 Digital System Lab (1)**  
Laboratory experiments on implementation of basic digital logic and hardware, combinational circuits, flip-flops, registers, and sequential circuits. Two hours of laboratory per week. Co-requisite: ECE 235.
- ECE 231 Circuit Analysis II (3)**  
Continuation of ECE 131 with studies of alternating current circuits, impedance concepts, network theorems, transformers, passive filters, and response curves are emphasized. Three hours of lecture per week. Prerequisites: ECE 131 and MATH 242. Co-requisite: ECE 211.
- ECE 235 Digital System (3)**  
Overview of digital computer systems, Boolean algebra, number systems, codes, combinational and sequential logic device, programmable logic devices, and study of digital hardware with emphasis on digital circuits such as A/D and D/A converter, memory circuits. Three hours of lecture per week. Prerequisite: ECE 231. Co-requisite: ECE 215.
- ECE 236 Java Programming (3)**  
High-level, object-oriented language programming using JAVA is emphasized. The course includes inheritance and polymorphism, implementing, hiding, and the creation of JAVA applets for internet usage. Three hours of lecture per week. Prerequisite: ECE 130.
- ECE 239 Electromechanical Energy Conversions (3)**  
Energy storage and conversion, force and emf production, coupled circuit analysis of systems with both electrical and mechanical inputs, applications to electric motors and generators and other electromechanical transducers are emphasized. Three hours of lecture per week. Prerequisites: ECE 231 and PHYS 251. Co-requisite: PHYS 252.

<b>ECE 311</b>	<b>Electronic Circuits Lab</b>	<b>(1)</b>
	Laboratory experiments on the application, analysis, and measurement of semiconductor devices in amplifier circuits. Two hours of laboratory per week. Co-requisite: ECE 331.	
<b>ECE 312</b>	<b>Microprocessor Architecture Lab</b>	<b>(1)</b>
	Laboratory experiments to explore the relationship between hardware and software in microprocessors, input/output operations, and assembly language techniques. Two hours of laboratory per week. Co-requisite: ECE 332.	
<b>ECE 315</b>	<b>Control System Lab</b>	<b>(1)</b>
	A series of control system experiments including process control using a PID controller experiments, closed loop control systems, and transient response design topics. Two hours of laboratory per week. Co-requisite: ECE 335.	
<b>ECE 319</b>	<b>Real-Time Embedded Systems Lab</b>	<b>(1)</b>
	Laboratory Experiments utilizing hardware and software in the design of a real-time embedded system. Two hours of laboratory per week. Co-requisite: ECE 339.	
<b>ECE 330</b>	<b>Engineering Mathematical Analysis</b>	<b>(3)</b>
	Learn how to use mathematics to formulate, solve, and analyze physical problems which includes systems and series solutions of ordinary differential equations, Fourier analysis, partial differential equations, linear algebra, vector calculus, special functions, unconstrained and combinatorial optimization, and applied probability and statistics. Three hours of lecture per week. Prerequisite: MATH 251.	
<b>ECE 331</b>	<b>Electronic Circuits</b>	<b>(3)</b>
	Study of the operation and characteristics of semiconductor devices such as introduction to electronic systems, linear circuits, diodes, field effect transistors, bipolar transistors, amplifiers and nonlinear circuits, and operational amplifiers and applications are emphasized. Three hours of lecture per week. Prerequisites: ECE 231 and Math 242. Co-requisite: ECE 311.	
<b>ECE 332</b>	<b>Microprocessor Architecture</b>	<b>(3)</b>
	Introduction to microprocessor hardware and software, including: microprocessor principles, organization, machine language programming, and input/output functions. Three hours of lecture per week. Prerequisite: ECE 235. Co-requisite: ECE 312.	
<b>ECE 333</b>	<b>Software Engineering</b>	<b>(3)</b>
	Software engineering is the study and an application of engineering to the design, development, and maintenance of software. Three hours of lecture per week. Prerequisite: ECE 236.	
<b>ECE 334</b>	<b>Signal and System</b>	<b>(3)</b>
	Signals and Systems is an introduction to analog and digital signal processing. It presents and integrates the basic concepts for both continuous-time and discrete-time signals and systems. Three hours of lecture per week. Prerequisite: Math 242.	
<b>ECE 335</b>	<b>Control Systems</b>	<b>(3)</b>
	Study of feedback control systems with the emphasis on the Linear Servomechanism theory and design principles, Pole-zero analysis, stability of feedback systems by root locus and real-frequency response methods, design methods of Bode and Nichols, introduction to advanced topics in automatic control theory, and state variable methods. Three hours of lecture per week. Prerequisites: ECE 330 and ECE 331. Co-requisite: ECE 315.	
<b>ECE 336</b>	<b>Introductory VLSI Design</b>	<b>(3)</b>
	This course aims to convey knowledge of circuit design for digital VLSI components in state of the art MOS and BiCMOS technologies. Emphasis is on the circuit design, optimization, and layout for use in applications	







<b>ECE 434</b>	<b>Data Communications</b>	<b>(3)</b>
	Study of data communication devices and software, their functional and operational aspects; including modems, control units, multiplexers, concentrators, front-end processors, and etc. Three hours of lecture per week. Prerequisite: ECE 338. Co-requisite: ECE 414.	
<b>ECE 435</b>	<b>Network Programming</b>	<b>(3)</b>
	The design and implementation of software applications in a networked environment are emphasized. Topics include a broad overview of network technology, the OSI model, socket programming, multithreading, and web programming. Three hours of lecture per week. Prerequisite: ECE 338.	
<b>ECE 436</b>	<b>Artificial Intelligence</b>	<b>(3)</b>
	The fundamental principles of artificial intelligence and expert systems are introduced and their application in various areas of science and engineering. Three hours of lecture per week. Prerequisite: Senior standing.	
<b>ECE 437</b>	<b>Digital Signal Processing</b>	<b>(3)</b>
	Application of learned theories/algorithms and available computer technologies to modern image and speech processing problems are emphasized. Characteristics of speech signals, linear predictive coding (LPC) of speech, pitch detection, and LPC speech synthesis, speech recognition, hardware designs for signal processing. Three hours of lecture per week. Prerequisites: Math 243 and ECE 235.	
<b>ECE 438</b>	<b>Power System Analysis</b>	<b>(3)</b>
	This course is an introduction to power systems engineering. Topics include complex power, phaser, balanced three phases, transformers and per-unit system, transmission line, power flow problem, symmetrical faults and power system controls. Three hours of lecture per week. Prerequisites: ECE 331, MATH 243, and PHYS 252.	
<b>ECE 439</b>	<b>Applied Cyber Security</b>	<b>(3)</b>
	This course addresses information security, ethical and legal practices, and mitigating cyber vulnerabilities. Students will also learn about the cryptography, hardware security, and software security. The content is targeted at ensuring the privacy, reliability, and integrity of information systems. Three hours of lecture per week. Prerequisite: ECE 338.	
<b>ECE 441</b>	<b>Senior Project</b>	<b>(4)</b>
	Opportunity for seniors to engage in a team project in applied electrical and computer engineering field where integration of knowledge obtained throughout the program is possible. Students are formed into small design groups (typically three students) and assigned a project. In addition to carrying out the design project, students are required to keep a design notebook, write progress reports, write the first and second design passes, and a final report, and make an oral presentation of the design effort. Prerequisite: Senior standing and consent of the department chair.	
<b>ECE-401</b>	<b>ECE Comprehensive Exam</b>	<b>(0)</b>
	A Senior Comprehensive examination for the graduating senior majoring in Electrical and Computer Engineering (ECE) is required. Students who do not score "Satisfactory" are required to register in ECE 431 in order to complete the requirements for the course. Prerequisite: Senior standing and consent of department chair is required	

### ENGINEERING COURSES

<b>ENGR 131</b>	<b>Engineering Graphics</b>	<b>(3)</b>
	A freshman level course which provides the undergraduate engineering student with a background in descriptive geometry, orthographic projection, engineering drawing standards and annotation, and computer-aided engineering graphics.	

- ENGR 310**                    **Introduction to Project Management**                    **(1)**  
The course emphasizes the different aspects of a given engineering project, such as planning, time and cost management, scope management, human resource management, communications management and conflict management. One hour of lecture per week. Prerequisite: Junior standing and consent of advisor is required.
- ENGR 331**                    **Engineering Economy**                    **(3)**  
Overview of the methodologies for evaluating engineering and technology projects in terms of the selection and justification of design alternatives, operating policies, and capital expenditures. Two hours of lecture per week. Prerequisite: MATH 242.
- ENGR 433**                    **Alternative Energy**                    **(3)**  
The course discusses the use of solar (thermal and photovoltaic), hydro-electric, wind, geothermal, ocean thermal, wave, tidal and geothermal energy, as well as energy from biomass. The use of fuel-cell and heat pump systems is dealt with. Issues relevant to energy efficiency and energy storage are discussed. Three hours of lecture per week. Prerequisite: Senior standing.
- ENGR 480**                    **Construction Management**                    **(3)**  
Principles common to construction management processes; planning estimating, contracts and specification, quantity surveying and bid preparations. Three hours of lecture per week. Prerequisite: Senior standing.

## CIVIL ENGINEERING TECHNOLOGY COURSES

- CIVT 141**                    **Civil Engineering Materials**                    **(3)**  
Introduction to materials and equipment for civil engineering construction. Properties and uses discussed of steel, alloys, asphalt, timbers, cement, aggregates, acoustics, etc. Two hours of lecture and two hours of laboratory per week.
- CIVT 223**                    **Water Resources Engineering**                    **(3)**  
Introduction to the science of hydrology and application. Hydro-meteorology ground-water, hydrographic, storm water control, free surface flow and water quality. Two hours of lecture and two hours of laboratory per week. Prerequisite: MATH 134.
- CIVT 224**                    **Soil Engineering**                    **(3)**  
Engineering properties of soil, application of science and engineering principles, methods of exploration, testing, and classification using ASTM and AASHTO laboratory methods. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 134 and CIVT 141.
- CIVT 231**                    **Surveying**                    **(3)**  
Theory and practice of plane surveying; instruments, measurements of distances, angles, elevations; introduction to traverse, contour, and electronic distance measurements. Two hours of lecture and two hours of laboratory per week. MATH 134. **Listed as ENGR 1407 in the Texas Common Course Numbering System.**
- CIVT 232**                    **Engineering Statics**                    **(3)**  
Introduction to applications of equilibrium of rigid bodies, including moments, couples, and moments of inertia. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 134 and PHYS 237. **Listed as ENGR 2301 in the Texas Common Course Numbering System.**
- CIVT 233**                    **Dynamics**                    **(3)**  
Principles of kinetics, kinematics, Newton's laws of motion, vectors, simple harmonic motion, and energy. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 241 and CIVT 232. **Listed as ENGR 2302 in the Texas Common Course Numbering System.**
- CIVT 301**                    **Environmental Engineering**                    **(3)**  
Introduction to sanitary microbiology and sanitary chemistry, communicable diseases, solid waste; environmental sanitation; environmental regulations; water and airborne diseases, transmission and control. Two hours of lecture and two hours of laboratory per week. Prerequisites: CIVT 223, CHEM 111 and CHEM 131.
- CIVT 332**                    **Applied Fluid Mechanics**                    **(3)**  
Fluid mechanics with engineering applications, properties of fluids, pressure, kinematics, energy, and flow through pipes. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 241 and CIVT 232.
- CIVT 333**                    **Hydraulics Engineering**                    **(3)**  
Introduction to quantitative hydrology, open channel flow, flow in conduits, hydraulic structures, flow measurements, and pumps. Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVT 332.
- CIVT 334**                    **Transportation Engineering**                    **(3)**  
Study of transportation engineering concepts, planning, traffic flow, capacity analysis, environmental and utility accommodations, and transportation economics analysis. Three hours of lecture per week. Prerequisite: CIVT 231.

- CIVT 335**                    **Geometric Designs of Highways**                    **(3)**  
Theory and application of the parameters that impact the geometric design of highways and other roadways. Two hours of lecture and two hours of laboratory per week. Prerequisites: MATH 241 and CIVT 334.
- CIVT 336**                    **Structural Analysis**                    **(3)**  
Study of determinate structures with emphasis on both the analytical and graphical approaches to trusses and building frames. Three hours of lecture per week. Prerequisite: CIVT 338 and MATH 241.
- CIVT 337**                    **Reinforced Concrete Design**                    **(3)**  
Concrete materials and properties, mixing and placement, concrete tests, design of concrete structures, elastic theory, stresses, beams, foundations, columns, and floor slabs. Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVT 336.
- CIVT 338**                    **Strength of Materials**                    **(3)**  
Physical properties of engineering materials concepts of stress and loading shear force and bending moments. Design of structural elements. Three hours lecture per week. Prerequisites: MATH 242, CIVT 232, and PHYS 237.
- CIVT 340**                    **Structural Steel Design**                    **(3)**  
Design in steel of tension members, beams, columns, welded and bolted connections; eccentrically loaded and moment resistant joints; plate girders. Plastic design; load and resistance factor design. Composite construction; introduction to computer-aided design. Laboratory sessions. Two hours of lecture and two hours of laboratory per week. Prerequisite: CIVT 336.
- CIVT 400**                    **Civil Engineering Tech Project**                    **(3)**  
Design of civil engineering related projects, application of criteria, city code approvals, and independent experimental study. One hour of lecture and three hours of laboratory per week. Prerequisite: Senior standing.
- CIVT 434**                    **Water and Wastewater Engineering**                    **(3)**  
Water supply and treatment, wastewater characterization and treatment. Design of units process and operation, transmission and sewerage facilities. Two hours of lecture and two hours laboratory per week. Prerequisite: CIVT 301.
- CIVT 435**                    **Civil Engineering Construction Methods**                    **(3)**  
Job planning and management, fundamentals of earth work, setting out of construction work, piling, blasting, roads, culverts, foundations, wallings, concrete work, formworks, roofing structures, plumbing and drainages, bridges, commercial and industrial buildings, and estimating. Three hours of lecture per week. Prerequisites: CIVT 337 and CIVT 340.

## COMPUTER ENGINEERING TECHNOLOGY COURSES

- CMET 331**                    **Micro Computer Operating Systems**                    **(3)**  
Basic functions, structure, and mechanism of modern operating systems; device management, input/output processing, and job management. Three hours of lecture per week. Prerequisite: ELET 130.
- CMET 412**                    **Senior Project I**                    **(1)**  
A capstone team project that includes a written proposal, with functional specifications and timetable of a project for approval by faculty members. Prerequisite: Senior standing.
- CMET 415**                    **Advanced Microcomputer Networks Lab**                    **(1)**  
Experiments utilizing hardware and software in the design, operation, and analysis of computer networks. Topics include LANS, WANS, networking components and techniques, standards and protocols. Two hours of laboratory per week. Co-requisite: CMET 435.
- CMET 416**                    **Applications of Microprocessor Software Laboratory**                    **(1)**  
Practice in writing industrial application programs, such as floating point mathematical routines and special purposes languages utilizing micro assemblers. Two hours of laboratory per week. Co-requisite: CMET 436.
- CMET 417**                    **Data Communication Methods Laboratory**                    **(1)**  
Laboratory experiments in data communication devices. Modems, multiplexers, concentrators, frontend processor, error-checking, simplex/duplex transmission, and telecommunications. Two hours of laboratory per week. Co-requisite: CMET 437.
- CMET 419**                    **Microcomputer Peripheral Hardware Laboratory**                    **(1)**  
Experiments in the application of microprocessor peripheral hardware and interfacing, including the configuration and construction of a microprocessor system. Two hours of laboratory per week. Co-requisite: CMET 439.
- CMET 432**                    **Senior Project II**                    **(3)**  
A capstone team project that includes a written proposal, with functional specifications and timetable of a project for approval by faculty members. Formal oral and written presentations, and a prototype required. Prerequisites: CMET 412, senior standing, and consent of department chair.
- CMET 435**                    **Advanced Microcomputer Networks**                    **(3)**  
Advanced topics in the design, operation, and analysis of microcomputer networks, including internetworking and routers, network management, and etc. Three hours of lecture per week. Prerequisite: ELET 434.
- CMET 436**                    **Applications of Microprocessor Software**                    **(3)**  
Utilization of micro assemblers to write floating point mathematical routines, special purpose languages, generate relocatable code, etc. Two hours of lecture and two hours of laboratory per week. Prerequisite: ELET 333. Co-requisite: CMET 416.
- CMET 437**                    **Data Communication Methods**                    **(3)**  
Study of data communication devices and software, their functional and operational aspects, including modems, control units, multiplexers, concentrators, front-end processors, etc. Three hours of lecture per week. Co-requisite: CMET 417 and MATH 345.
- CMET 441**                    **Computer Engineering Technology Comprehensive Exam**                    **(0)**  
Comprehensive examination for graduating seniors majoring in Computer Engineering Technology. Prerequisite: Consent of the department chair.



<b>ELET 215</b>	<b>Digital Systems Laboratory</b>	<b>(1)</b>
	Exercises on logic circuits, combinational and sequential logic devices, and flip-flops. Experiments in digital hardware design. Two hours of laboratory per week. Co-requisite: ELET 235.	
<b>ELET 223</b>	<b>Electric Machines</b>	<b>(3)</b>
	Study of polyphase circuits, transformers, DC machines, induction machines, and small AC motors. Two hours of lecture and two hours of laboratory per week. Prerequisite: ELET 133.	
<b>ELET 232</b>	<b>Electronics II</b>	<b>(3)</b>
	Design and evaluation of the operational amplifier circuitry with feedback, linear and nonlinear circuitry, oscillators, and active filters. Three hours of lecture per week. Prerequisite: ELET 134. Co-requisite: ELET 212.	
<b>ELET 235</b>	<b>Digital Systems</b>	<b>(3)</b>
	Introduction to digital technology, Boolean algebra, number systems, codes, truth tables, combinational and sequential logic, and logic devices. Study of digital hardware with emphasis on digital circuits such as memory circuits, A/D and D/A converters. Three hours of lecture per week. Prerequisite: ELET 133. Co-requisite: ELET 215.	
<b>ELET 311</b>	<b>Communications Systems Laboratory</b>	<b>(1)</b>
	Experiments on oscillators, transmitters, receivers, filters, and transmission lines as related to modern electronic communications techniques. Two hours of laboratory per week. Co-requisite: ELET 331.	
<b>ELET 312</b>	<b>Control Systems Laboratory</b>	<b>(1)</b>
	Laboratory experiments on final control elements and closed loop control systems. Two hours of laboratory per week. Co-requisite: ELET 332.	
<b>ELET 313</b>	<b>Microprocessor Architecture Laboratory</b>	<b>(1)</b>
	Experiments to explore the relationship between hardware and software in microprocessors, input/output operations, and assembly language techniques. Two hours of laboratory per week. Co-requisite: ELET 333.	
<b>ELET 322</b>	<b>Integrated Circuits</b>	<b>(3)</b>
	Study of the design and application of digital and linear integrated circuits. Two hours of lecture and two hours of laboratory per week. Prerequisite: ELET 235.	
<b>ELET 323</b>	<b>Digital Signal Processing</b>	<b>(3)</b>
	To introduce the student to discrete time signals and the systems, sampling, recursive and non-recursive digital filters, and the z-transform. Three hours of lecture per week. Prerequisites: Math 242 and ELET 235.	
<b>ELET 331</b>	<b>Communications Systems</b>	<b>(3)</b>
	Study of basic communications systems with emphasis on the applications of Fourier series, Fourier transforms, modulation techniques, and transmission lines. Three hours of lecture per week. Prerequisites: MATH 242 and ELET 232. Co-requisite: ELET 311.	
<b>ELET 332</b>	<b>Control Systems</b>	<b>(3)</b>
	Study of feedback control systems, Laplace transforms, and control modes and methods of implementation by analog and digital means. Three hours of lecture per week. Prerequisite: ELET 232. Co-requisites: ELET 312 and MATH 345.	
<b>ELET 333</b>	<b>Microprocessor Architecture</b>	<b>(3)</b>
	Introduction to microprocessor hardware and software, including: microprocessor principles, organization, machine language programming, and input/output functions. Three hours of lecture per week. Prerequisite: ELET 235. Co-requisite: ELET 313.	



- ELET 410 Computer Control Systems Laboratory (3)**  
Experiments on computer control systems with emphasis on the practical aspects of control principles. Two hours of laboratory per week. Co-requisite: ELET 430.
- ELET 411 Microcomputer Networks Laboratory (1)**  
Experiments and written reports where students construct, test, and debug hardware and software components for computer networks. Two hours of laboratory per week. Co-requisite: ELET 434.
- ELET 413 Microprocessor Interfacing Laboratory (1)**  
Experiments on interfacing microprocessors with emphasis on input/output operations, bus systems, peripheral hardware and software applications. Two hours of laboratory per week. Co-requisite: ELET 431.
- ELET 422 Advanced Structured Programming with C++ (3)**  
Study of object oriented programming in C++ on workstations with Microsoft C/C++. Three hours of lecture per week. Prerequisite: ELET 130.
- ELET 430 Computer Control Systems (3)**  
Analysis and design of control systems with emphasis on control software, programmable controllers, and data acquisitions. Three hours of lecture per week. Prerequisites: ELET 235 and ELET 332. Co-requisite: ELET 410.
- ELET 431 Microprocessor Interfacing (3)**  
Study of interfacing with topics on bus timing, input/output timing, serial and parallel input/output methods, subroutine and control signals. Three hours of lecture per week. Prerequisite: ELET 333. Co-requisite: ELET 413.
- ELET 440 Senior Electronics Project (4)**  
Opportunity for seniors to engage in a team project in applied electronics where integration of knowledge obtained throughout the program is possible. Prerequisites: Senior standing and consent of the department chair.
- ELET 434 Microcomputer Networks (3)**  
Study of networking components and techniques for a microcomputer network, including the study of standards, protocols, LANs, and WANs. Three hours of lecture per week. Prerequisite: ELET 235. Co-requisite: ELET 411.
- ELET 441 Electronics Senior Comprehensive (0)**  
Senior Comprehensive examinations for graduating seniors majoring in Electronics Engineering Technology. Students who do not score “Satisfactory” may be required to register in ELET 442 in order to complete the requirements for the course. Prerequisite: Consent of the department chair
- ELET 442 Special Topics (3)**  
Direct study, independent study or internship designed to give the student an opportunity to study a particular aspect of the discipline in some depth. Consent of the department chair required.

### **ENGINEERING TECHNOLOGY COURSES**

- ENGT 331 Engineering Economy (3)**  
Overview of the methodologies for evaluating engineering and technology projects in terms of the selection and justification of design alternatives, operating policies, and capital expenditures. Two hours of lecture and two hours of laboratory per week.



- ENGT 332**                    **Industrial Productivity and Work Measurements**                    **(3)**  
Study of industrial productivity and its assessment, measurements, analysis, and improvements with emphasis on human productivity, work design, method analysis, and ergonomics. Two hours of lecture and two hours of laboratory per week.
- ENGT 333**                    **Ethics in Professional Engineering Practice**                    **(1)**  
This course develops students' knowledge of: the nature of engineering ethics (legal, professional, historical, and personal definitions of "engineering ethics"); the value of engineering ethics (varied contemporary and historical legal, professional, and personal reasons why an engineer should be ethical); and the resolution of ethical dilemmas (using common ethical dilemmas, identify possible actions to be taken in response, and probable consequences of those actions). One hour of lecture per week.
- ENGT 431**                    **Quality Control and Assurance**                    **(3)**  
Introduction to statistical quality control methods as applied to design tolerance, process control and process capability. Two hours of lecture and two hours of laboratory per week.
- ENGT 432**                    **Industrial Quality Control**                    **(3)**  
Study of quality management and product reliability to reduce defects and/or failures in production processes. Application of SPC control charts and reliability testing to optimize quality control processes. Two hours of lecture and two hours of laboratory per week. Prerequisite: ENGT 431.
- ENGT 433**                    **Alternative Energy Technology**                    **(3)**  
The course discusses the use of solar (thermal and photovoltaic), hydro-electric, wind, geothermal, ocean thermal, wave, tidal and geothermal energy, as well as energy from biomass. The use of fuel-cell and heat pump systems is dealt with. Issues relevant to energy efficiency and energy storage are discussed. The potential of using renewable energy technologies as a complement to, and, to the extent possible, replacement for conventional technologies, and the possibility of combining renewable and nonrenewable energy technologies in hybrid systems are analyzed. Two hours of lecture and two hours of laboratory per week.

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE  
IN CIVIL ENGINEERING  
TOTAL CREDITS REQUIRED: 126**

CORE CURRICULUM (STANDARD)*		MAJOR (CIVIL ENGINEERING)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
43 credits		61 credits	22 credits	0 credits
<b>Communication:</b>		ENGT 111 (1)	CHEM 111 (1)	
ENG 131 (3)	ENGL 1301	CIVE 141 (3)	ENGR 333 (1)	
ENG 132 (3)	ENGL 1302	CIVE 141L (1)	MATH 242 (4)	
<b>Mathematics:</b>		CIVE 223 (3)	MATH 243 (4)	
MATH 241 (4)	MATH 2413	CIVE 224 (3)	MATH 251 (3)	
<b>Life and physical sciences:</b>		CIVE 224L (1)	MATH 345 (3)	
CHEM 131 (3)	CHEM 131	CIVE 231 (3)	PHYS 217 (1)	
PHYS 251 (3)	PHYS 2325	CIVE 232 (3)	PHYS 218 (1)	
<b>Language, philosophy, and culture:</b>		CIVE 233 (3)	PHYS 252 (3)	
ENG 2xx (3) **		CIVE 301 (3)	FS 102 (1)	
<b>Creative arts:</b>		CIVE 301L (1)		
MUSI 239 (3)	HUMA 1315	CIVE 332 (3)		
<b>American history:</b>		CIVE 333 (3)		
HIST 231 (3)	HIST 1301	CIVE 334 (3)		
HIST 232 (3)	HIST 1302	CIVE 336 (3)		
<b>Government/political science:</b>		CIVE 338 (3)		
POLS 235 (3)	GOVT 2305	CIVE 339 (3)		
POLS 236 (3)	GOVT 2306	CIVE 340 (3)		
<b>Social and behavioral sciences:</b>		CIVE 430 (6)***		
ECON 231 (3)	ECON 2301	CIVE 434 (3)		
<b>Institutional Options:</b>		Technical Elective (3)^		
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315	Technical Elective (3)^		
CS 116 (3)	COSC 1336 or 1436			

\*Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*Non co-op track will allow students to satisfy internship requirement with completion of 6 credit hours in CIVE 400 Problems in Civil Engineering

^ Technical Electives may be selected from CIVE 335 (3), CIVE 435 (3), ENGR 433(3), CIVE 490 (3), & ENGR 480 (3)

**BACHELOR OF SCIENCE DEGREE IN CIVIL ENGINEERING**  
**DEGREE PLAN – TOTAL CREDITS: 126**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 241 Calculus & Analytic Geometry I	4	MATH 242 Calculus & Analytic Geometry II	4
	CHEM 131 General Chemistry I	3	MUSI 239 Fine Arts in Daily Living	3
	CHEM 111 General Chemistry I Lab	1	CS 116 Intro to Computer and their Appl.	3
	CIVE 141 Civil Engineering Materials	3	CIVE 223 Hydrology and Water Resources	3
	CIVE 141L Civil Engr. Materials Lab	1	ENGT 111 Intro. to Project Management	1
	FS 102 Freshman Seminar	1		
		<b>16 Hrs</b>		<b>17 Hrs</b>
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2xx Upper Level English	3	MATH 251 Differential Equations	3
	MATH 243 Calculus & Analytic Geometry III	4	MATH 345 Applied Math and Statistics	3
	CIVE 231 Plane Surveying	3	CIVE 224 Geotechnical Engineering	3
	CIVE 232 Statics	3	CIVE 224L Geotechnical Engineering Lab	1
	PHYS 251 University Physics I	3	CIVE 233 Dynamics	3
	PHYS 217 University Physics I Lab	1	PHYS 252 University Physics II	3
			PHYS 218 University Physics II Lab	1
		<b>17 Hrs</b>		<b>17 Hrs</b>
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	CIVE 301 Environmental Engineering	3	CIVE 333 Hydraulics Engineering	3
	CIVE 301L Environmental Engineering Lab	1	CIVE 338 Structural Analysis	3
	CIVE 332 Applied Fluid Mechanics	3	CIVE 434 Water and Wastewater Engineering	3
	CIVE 334 Transportation Engineering	3	ENGR 333 Engineering Ethics	1
	CIVE 336 Strength of Materials	3	HIST 231 Social & Political History of U.S. I	3
	POLS 235 American Political System I	3	POLS 236 American Political System II	3
		<b>16 Hrs</b>		<b>16 Hrs</b>
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	CIVE 339 Reinforced Concrete Design	3	CIVE 430 Engr Practicum *	6
	CIVE 340 Structural Steel Design	3	**Technical Elective 3xx or 4xx	3
	ECON 231 Principles of Economics I	3		
	HIST 232 Social & Political History of U.S. II	3		
	SC 135 Business and Prof. Communication	3		
	***Technical Elective 3xx or 4xx	3		
	<b>18 Hrs</b>		<b>9 Hrs</b>	

NOTE: Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*Non co-op track will allow students to satisfy internship requirement with completion of 6 credit hours in CIVE 400 Problems in Civil Engineering

\*\*The Technical Elective should be selected from one of the following three-credit courses: CIVE

- 335 Geometric Design of Highways
- CIVE 435 Civil Engr. Construction Methods
- CIVE 490 Introduction to Bridge Engineering
- ENGR 433 Alternative Energy
- ENGR 480 Construction Management

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE  
IN CIVIL ENGINEERING TECHNOLOGY  
TOTAL CREDITS REQUIRED: 129**

CORE CURRICULUM (STANDARD)*		MAJOR (CIVIL ENGINEERING TECHNOLOGY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		57 credits	30 credits	0 credits
<b>Communication:</b>		CIVT 141 (3)	CHEM 111 (1)	
ENG 131 (3)**	ENGL 1301	CIVT 223 (3)	ITEC 331 (3)	
ENG 132 (3)	ENGL 1302	CIVT 224 (3)	DRFT 336 (3)	
<b>Mathematics:</b>		CIVT 231 (3)	MATH 134 (3)	
MATH 133 (3)	MATH 1314	CIVT 232 (3)	MATH 241 (4)	
<b>Life and physical sciences:</b>		CIVT 233 (3)	MATH 242 (4)	
CHEM 131 (3)	CHEM 1311	CIVT 301 (3)	PHYS 213 (1)	
PHYS 237 (3)	PHYS 130 1	CIVT 332 (3)	PHYS 214 (1)	
<b>Language, philosophy, and culture:</b>		CIVT 333 (3)	PHYS 238 (3)	
ENG 2xx (3) ***		CIVT 334 (3)	ENGR 131 (3)	
<b>Creative arts:</b>		CIVT 335 (3)	FS 102 (1)	
MUSI 239 (3)	HUMA 1315	CIVT 336 (3)	ENGT 331 (3)	
<b>American history:</b>		CIVT 337 (3)		
HIST 231 (3)	HIST 1301	CIVT 338 (3)		
HIST 232 (3)	HIST 1302	CIVT 340 (3)		
<b>Government/political science:</b>		CIVT 400 (3)		
POLS 235 (3)	GOVT 2305	CIVT 434 (3)		
POLS 236 (3)	GOVT 2306	CIVT 435 (3)		
<b>Social and behavioral sciences:</b>		Technical Elective (3) ^		
SOC 157 (3)	SOCI 1301			
<b>Institutional Options:</b>				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

^The Technical Elective should be selected from one of the following three-credit courses: MATH 345, MATH 474, and ENGT 433.

**BACHELOR OF SCIENCE DEGREE IN CIVIL ENGINEERING TECHNOLOGY**  
**DEGREE PLAN – TOTAL CREDITS: 129**

	FIRST SEMESTER		SECOND SEMESTER	
	<b>First Year</b>	CHEM 111 General Chemistry I lab	1	SC 135 Business and Prof. Comm.
CHEM 131 General Chemistry I		3	CIVT 224 Geotechnical Engineering	3
ENG 131 Freshman English I		3	ENG 132 Freshman English II	3
CS 116 Intro to Computer and their Appl.		3	MATH 134 Plane Trig. or MATH 136 Pre Cal.	3
MATH 133 College Algebra		3	PHYS 237 College Physics I	3
CIVT 141 Civil Engineering Materials		3	PHYS 213 College Physics I Lab	1
FS 102 Freshman Seminar		1		
		<b>17 Hrs</b>		<b>16 Hrs</b>
	THIRD SEMESTER		FOURTH SEMESTER	
	<b>Second Year</b>	ENG 2xx Upper Level English	3	CIVT 223 Hydrology and Water Resources
MATH 241 Calculus & Analytic Geometry I		4	CIVT 233 Dynamics	3
PHYS 238 College Physics II		3	SOC 157 Introduction to Sociology	3
PHYS 214 College Physics II Lab		1	MUSI 239/ART 131 Intro to Music or Art	3
CIVT 231 Plane Surveying		3	MATH 242 Calculus & Analytic Geometry II	4
CIVT 232 Statics		3		
		<b>17 Hrs</b>		<b>16 Hrs</b>
	FIFTH SEMESTER		SIXTH SEMESTER	
	<b>Third Year</b>	HIST 231 Social & Political History of U.S. I	3	HIST 232 Social & Political History of US. II
CIVT 301 Environmental Engineering		3	CIVT 335 Geometric Design of Highway	3
CIVT 332 Applied Fluid Mechanics		3	CIVT 333 Hydraulics Engineering	3
CIVT 334 Transportation Engineering		3	CIVT 336 Structural Analysis	3
COSC 1301		3	CIVT 434 Water and Wastewater Engineering	3
ENGR 131 Engineering Graphics		3		
		<b>18 Hrs</b>		<b>15 Hrs</b>
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	<b>Fourth Year</b>	DRFT 336 Computer Aided Drafting	3	ITEC 331 Technical Writing
POLS 235 American Political System I		3	POLS 236 American Political System II	3
CIVT 340 Structural Steel Design		3	CIVT 400 Problem in Civil Engineering Tech	3
CIVT 337 Reinforced Concrete Design		3	CIVT 435 Civil Engr. Construction Methods	3
ENGT 331 Engineering Economy		3	*Technical Elective 3xx or 4xx	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

NOTE:\*Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*The Technical Elective should be selected from one of the following three-credit courses:

MATH 345 Applied Mathematics and Statistics for Technology

MATH 474 Probability and Statistics II ENGT 433

Alternative Energy Technology

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE  
IN ELECTRICAL AND COMPUTER ENGINEERING  
COMPUTER ENGINEERING CONCENTRATION  
TOTAL CREDITS REQUIRED: 125**

CORE CURRICULUM (STANDARD)*		MAJOR (ELECTRICAL AND COMPUTER ENGINEERING)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
43 credits		60 credits	22 credits	0 credits
<b>Communication:</b>		ECE 110 (1)	CHEM 111 (1)	
ENG 131 (3) **	ENGL 1301	ECE 111 (1)	ENGR 131 (3)	
ENG 132 (3)	ENGL 1302	ECE 131 (3)	ENGT 111 (1)	
<b>Mathematics:</b>		ECE 211(1)	MATH 242 (4)	
MATH 241 (4)	MATH 2413	ECE 215 (1)	MATH 243 (4)	
<b>Life and physical sciences:</b>		ECE 231 (3)	MATH 251 (3)	
CHEM 131 (3)	CHEM 1311	ECE 235 (3)	PHYS 217 (1)	
PHYS 251 (3)	PHYS 2325	ECE 236 (3)	PHYS 218 (1)	
<b>Language, philosophy, and culture:</b>		ECE 311 (1)	PHYS 252 (3)	
ENG 2xx (3) ***		ECE 312 (1)	FS 102 (1)	
<b>Creative arts:</b>		ECE 319 (1)		
MUSI 239 (3)	HUMA 1315	ECE 330 (3)		
<b>American history:</b>		ECE 331 (3)		
HIST 231 (3)	HIST 1301	ECE 332 (3)		
HIST 232 (3)	HIST 1302	ECE 336 (3)		
<b>Government/political science:</b>		ECE 337 (3)		
POLS 235 (3)	GOVT 2305	ECE 338 (3)		
POLS 236 (3)	GOVT 2306	ECE 339 (3)		
<b>Social and behavioral sciences:</b>		ECE 414 (1)		
ECON 231 (3)	ECON 2301	ECE 434 (3)		
<b>Institutional Options:</b>		ECE 436 (3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	ECE 437 (3)		
ECE 130 (3)***	ENGR 2304	ECE 439(3)		
		ECE 441 (4)		
		ECE-ECX (0)		
		Technical Elective (3)^		

\*Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\*MATH 241 will taken be in lieu of Math 136 to satisfy the mathematics core requirement. For engineering majors only.

\*\*\*ECE 130 will be taken in lieu of CS116 to satisfy the institutional option of core requirement.

^ Technical Electives may be selected from ECE 333 (3), ECE 435 (3), & ECE 239(3).

**BACHELOR OF SCIENCE DEGREE IN ELECTRICAL AND COMPUTER ENGINEERING  
COMPUTER ENGINEERING CONCENTRATION  
DEGREE PLAN – TOTAL CREDITS: 125**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ECE 110 Introduction to Engineering	1	ECE 131 Circuit Analysis I	3
	ECE 130 Programming for Engr. Applications	3	ECE 111 Circuit Analysis Lab I	1
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	ENGR 131 Engineering Graphics	3	CHEM 131 General Chemistry I	3
	MATH 241 Calculus & Analytic Geometry I	4	CHEM 111 General Chemistry I Lab	1
	ENGT 111 Intro to Project Management	1	MATH 242 Calculus & Analytic Geometry II	4
	FS 102 Freshman Seminar	1	SC 135 Business and Prof. Communication	3
		<b>16 Hrs</b>		<b>18 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2xx Upper level English	3	MATH 251 Differential Equation	3
	MATH 243 Calculus & Analytic Geometry III	4	PHYS 252 University Physics II	3
	PHYS 251 University Physics I	3	PHYS 218 University Physics II Lab	1
	PHYS 217 University Physics I Lab	1	ECE 235 Digital System	3
	ECE 231 Circuit Analysis II	3	ECE 215 Digital System Lab	1
	ECE 211 Circuit Analysis Lab II	1	ECE 236 Java Programming	3
	POLS 235 American Political System I	3	POLS 236 American Political System II	3
		<b>18 Hrs</b>		<b>17 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ECE 330 Engineering Mathematical Analysis	3	ECE 336 Introductory to VLSI Design	3
	ECE 331 Electronic Circuits	3	ECE 337 Operating Systems	3
	ECE 311 Electronic Circuits Lab	1	ECE 338 Computer and Wireless Networks	3
	ECE 332 Microprocessor Architecture	3	ECE 339 Real-time Embedded Systems	3
	ECE 312 Microprocessor Architecture Lab	1	ECE 319 Real-time Embedded Syst. Lab	1
	HIST 231 Social & Political History of U.S. I	3	HIST 232 Social & Political History of US. II	3
	MUSI 239 Fine arts for Daily living	3		
	<b>17 Hrs</b>		<b>16 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	ECE 434 Data Communications	3	ECE 437 Digital Signal Processing	3
	ECE 414 Data Communications Lab	1	ECE 439 Applied Cyber Security	3
	ECE 436 Artificial Intelligence	3	**Technical Elective	3
	ECON 231 Principles of Economics I	3	ECE 441 Senior Project	4
			ECE-ECX ECE Comprehensive Exam	0
	<b>10 Hrs</b>		<b>13 Hrs</b>	

Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\*The Technical Elective should be selected from one of the following three-credit courses: ECE

- 239 Electromechanical Energy Conversions
- ECE 333 Software Engineering
- ECE 435 Network Programming

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE  
IN ELECTRICAL AND COMPUTER ENGINEERING  
ELECTRICAL ENGINEERING CONCENTRATION  
TOTAL CREDITS REQUIRED: 125**

CORE CURRICULUM (STANDARD)*		MAJOR (ELECTRICAL AND COMPUTER ENGINEERING)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
43 credits		61 credits	21 credits	0 credits
<b>Communication:</b>		ECE 110 (1)	CHEM 111 (1)	
ENG 131 (3)	ENGL 1301	ECE 111 (1)	ENGR 131 (3)	
ENG 132 (3)	ENGL 1302	ECE 131 (3)	FS 102 (1)	
<b>Mathematics:</b>		ECE 211(1)	MATH 242 (4)	
MATH 241 (4)**	MATH 2413	ECE 215 (1)	MATH 243 (4)	
<b>Life and physical sciences:</b>		ECE 231 (3)	MATH 251 (3)	
CHEM 131 (3)	CHEM 1311	ECE 235 (3)	PHYS 217 (1)	
PHYS 251 (3)	PHYS 2325	ECE 311 (1)	PHYS 218 (1)	
<b>Language, philosophy, and culture:</b>		ECE 312 (1)	PHYS 252 (3)	
ENG 2xx (3) ***		ECE 315 (1)		
<b>Creative arts:</b>		ECE 319 (1)		
MUSI 239 (3)	HUMA 1315	ECE 330 (3)		
<b>American history:</b>		ECE 331 (3)		
HIST 231 (3)	HIST 1301	ECE 332 (3)		
HIST 232 (3)	HIST 1302	ECE 334 (3)		
<b>Government/political science:</b>		ECE 335 (3)		
POLS 235 (3)	GOVT 2305	ECE 338 (3)		
POLS 236 (3)	GOVT 2306	ECE 339 (3)		
<b>Social and behavioral sciences:</b>		ECE 412 (1)		
ECON 231 (3)	ECON 2301	ECE 432 (3)		
<b>Institutional Options:</b>		ECE 430 (3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	ECE 433 (3)		
ECE 130 (3)***	ENGR 2304	ECE 437 (3)		
		ECE 438 (3)		
		ECE 441 (4)		
		ECE-ECX (0)		
		Technical Elective (3)^		

\*Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\*MATH 241 will be taken in lieu of Math 136 to satisfy the mathematics core requirement. For engineering majors only.

\*\*\*ECE 130 will be taken in lieu of CS116 to satisfy the institutional option of core requirement.

^ Technical Electives may be selected from ECE 336 (3), ECE 435 (3), ECE 430 (3), ECE 333, & ECE 239(3)



**BACHELOR OF SCIENCE DEGREE IN ELECTRICAL AND COMPUTER ENGINEERING  
ELECTRICAL ENGINEERING CONCENTRATION  
DEGREE PLAN – TOTAL CREDITS: 125**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ECE 110 Introduction to Engineering	1	ECE 131 Circuit Analysis I	3
	ECE 130 Programming for Engr. Applications	3	ECE 111 Circuit Analysis Lab I	1
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	ENGR 131 Engineering Graphics	3	CHEM 131 General Chemistry I	3
	MATH 241 Calculus & Analytic Geometry I	4	CHEM 111 General Chemistry I Lab	1
	MUSI 239 Fine in Daily Living	3	MATH 242 Calculus & Analytic Geometry II	4
	FS 102 Freshman Seminar	1		
		<b>18 Hrs</b>		<b>15 Hrs</b>
Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	SC 135 Business and Prof. Communication	3	MATH 251 Differential Equation	3
	MATH 243 Calculus & Analytic Geometry III	4	PHYS 252 University Physics II	3
	PHYS 251 University Physics I	3	PHYS 218 University Physics II Lab	1
	PHYS 217 University Physics I Lab	1	ECE 235 Digital System	3
	ECE 231 Circuit Analysis II	3	ECE 215 Digital System Lab	1
	ECE 211 Circuit Analysis Lab II	1	ENG 2xx Upper level English	3
	POLS 235 American Political System I	3	POLS 236 American Political System II	3
	<b>18 Hrs</b>		<b>17 Hrs</b>	
Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ECE 330 Engineering Mathematical Analysis	3	ECE 334 Signal and System	3
	ECE 331 Electronic Circuits	3	ECE 335 Control Systems	3
	ECE 311 Electronic Circuits Lab	1	ECE 315 Control System Lab	1
	ECE 332 Microprocessor Architecture	3	ECE 338 Computer and Wireless Networks	3
	ECE 312 Microprocessor Architecture Lab	1	ECE 339 Real-time Embedded System	3
	HIST 231 Social & Political History of U.S. I	3	ECE 319 Real-time Embedded System Lab	1
			HIST 232 Social & Political History of US. II	3
	<b>14 Hrs</b>		<b>17 Hrs</b>	
Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	ECE 430 Applied Electromagnetics	3	ECE 433 Microwave Engineering	3
	ECE 432 Communication Systems	3	ECE 437 Digital Signal Processing	3
	ECE 412 Communication System Lab	1	ECE 438 Power System Analysis	3
	*ECON 231 Principles of Economics I	3	ECE 441 Senior Project	4
	**Technical Elective	3	ECE-ECX ECE Comprehensive Exam	0
	<b>13 Hrs</b>		<b>13 Hrs</b>	

NOTE: Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\*The Technical Elective should be selected from one of the following three-credit courses: ECE

- 239 Electromechanical Energy Conversions
- ECE 333 Software Engineering
- ECE 435 Network Programming

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE  
IN COMPUTER ENGINEERING TECHNOLOGY  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*		MAJOR (COMPUTER ENGINEERING TECHNOLOGY )	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		47 credits	31 credits	0 credits
<b>Communication:</b>		ELET 111 (1)	CHEM 111 (1)	
ENG 131 (3)**	ENGL 1301	ELET 113 (1)	ENGT 331 (3)	
ENG 132 (3)	ENGL 1302	ELET 114 (1)	ENGT 333 (1)	
<b>Mathematics:</b>		ELET 131 (3)	DRFT 233 (3)	
MATH 133 (3)	MATH 1314	ELET 133 (3)	ITEC 331 (3)	
<b>Life and physical sciences:</b>		ELET 134 (3)	MATH 134 (3)	
CHEM 131 (3)	CHEM 1311	ELET 215 (1)	MATH 241 (4)	
PHYS 237 (3)	PHYS 130 1	ELET 235 (3)	MATH 242 (4)	
<b>Language, philosophy, and culture:</b>		ELET 313 (1)	MATH 345 (3)	
ENG 2xx (3) ***		ELET 333 (3)	PHYS 213 (1)	
<b>Creative arts:</b>		ELET 422 (3)	PHYS 214 (1)	
MUSI 239 (3)	HUMA 1315	CMET 412 (1)	PHYS 238 (3)	
<b>American history:</b>		CMET 416 (1)	FS 102 (1)	
HIST 231 (3)	HIST 1301	CMET 417 (1)		
HIST 232 (3)	HIST 1302	CMET 331 (3)		
<b>Government/political science:</b>		CMET 432 (3)		
POLS 235 (3)	GOVT 2305	CMET 435 (3)		
POLS 236 (3)	GOVT 2306	CMET 436 (3)		
<b>Social and behavioral sciences:</b>		CMET 437 (3)		
SOC 157 (3)	SOCI 1301	CMET 438 (3)		
<b>Institutional Options:</b>		CMET 441 (0)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	CMET 470 (3)		
CS 116 (3)	COSC 1301			

\*Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF SCIENCE DEGREE IN COMPUTER ENGINEERING TECHNOLOGY**  
**DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ELET 111 DC Circuit Lab	1	ELET 113 AC Circuits Lab	1
	ELET 131 DC Circuits	3	ELET 133 AC Circuits	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra	3	MATH 134 Plane Trig. or MATH 136 Pre Cal.	3
	CS 116* Intro to Computer and their Appl.	3	CHEM 111 General Chemistry Lab	1
	ENGT 333 Ethics in Prof Eng Practice	1	CHEM 131 General Chemistry	3
	FS 102 Freshman Seminar	1	SC 135 Business & Prof. Comm.	3
		<b>15 Hrs</b>		<b>17 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ELET 114 Electronics I Lab	1	ELET 215 Digital Systems Lab	1
	ELET 134 Electronics I	3	ELET 235 Digital Systems	3
	MATH 241 Calculus & Geometry I	4	MATH 242 Calculus & Anal. Geometry	4
	PHYS 237 College Physics I	3	PHYS 238 College Physics II	3
	PHYS 213 Physics for Eng. Lab I	1	PHYS 214 Phys for Eng. Lab II	1
	ENG 2xx Upper level English	3	MUSI 239 Fine Arts in Daily Living	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	ELET 313 Microprocessor Architecture Lab	1	CMET 331 Operating Systems	3
	ELET 333 Microprocessor Architecture	3	ITEC 331 Technical Writing	3
	MATH 345 Applied Math & Stat. for Tech.	3	POLS 236 America Pol System II	3
	ENGT 331 Engineering Economy	3	ELET 422 Advanced Stru. Prog. With C++	3
	DRFT 233 Intro to Computer Aided Design	3	CMET 417 Data Commun. Methods Lab	1
	POLS 235 America Pol System I	3	CMET 437 Data Communication Methods	3
		<b>16 Hrs</b>		<b>16 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	CMET 435 Advance Micro-Computer networks	3	CMET 438 Artificial Intelligence	3
	CMET 412 Senior Project I	1	CMET 470 Java Programming	3
	CMET 416 Applied Microprocessor Soft. Lab	1	CMET 432 Senior Project II	3
	CMET 436 Applied Microprocessor Soft	3	HIST 232 Soc. Pol. His. of U.S.II	3
	SOC 157 Intro to Sociology	3	CMET 441 Computer Eng. Tech. Comp. Exam	0
	HIST 231 Soc. Pol. His. of U.S.I	3		
		<b>14 Hrs</b>		<b>12 Hrs</b>

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE  
IN ELECTRONICS ENGINEERING TECHNOLOGY  
TOTAL CREDITS REQUIRED: 125**

CORE CURRICULUM (STANDARD)*		MAJOR (ELECTRONICS ENGINEERING TECHNOLOGY )	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		51 credits	32 credits	0 credits
<b>Communication:</b>		ELET 111 (1)	CHEM 111 (1)	
ENG 131 (3)**	ENGL 1301	ELET 113 (1)	ENGT 331 (3)	
ENG 132 (3)	ENGL 1302	ELET 114 (1)	ENGT 333 (1)	
<b>Mathematics:</b>		ELET 131 (3)	DRFT 233 (3)	
MATH 133 (3)	MATH 1314	ELET 133 (3)	ITEC 331 (3)	
<b>Life and physical sciences:</b>		ELET 134 (3)	MATH 134 (3)	
CHEM 131 (3)	CHEM 1311	ELET 212 (1)	MATH 241 (4)	
PHYS 237 (3)	PHYS 130 1	ELET 215 (1)	MATH 242 (4)	
<b>Language, philosophy, and culture:</b>		ELET 232 (3)	MATH 345 (3)	
ENG 2xx (3) ***		ELET 235 (3)	PHYS 213 (1)	
<b>Creative arts:</b>		ELET 311 (1)	PHYS 214 (1)	
MUSI 239 (3)	HUMA 1315	ELET 312 (1)	PHYS 238 (3)	
<b>American history:</b>		ELET 313 (1)	ENGT 111 (1)	
HIST 231 (3)	HIST 1301	ELET 331 (3)	FS 102 (1)	
HIST 232 (3)	HIST 1302	ELET 332 (3)		
<b>Government/political science:</b>		ELET 333 (3)		
POLS 235 (3)	GOVT 2305	ELET 410 (1)		
POLS 236 (3)	GOVT 2306	ELET 411 (1)		
<b>Social and behavioral sciences:</b>		ELET 413 (1)		
SOC 157 (3)	SOCI 1301	ELET 422 (3)		
<b>Institutional Options:</b>		ELET 430 (3)		
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315	ELET 431 (3)		
CS 116 (3)	COSC 1'301	ELET 434 (3)		
		ELET 440 (4)		
		ELET 441 (0)		

\*Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

**BACHELOR OF SCIENCE DEGREE IN ELECTRONICS ENGINEERING TECHNOLOGY**  
**DEGREE PLAN – TOTAL CREDITS: 125**

	FIRST SEMESTER		SECOND SEMESTER	
First Year	ELET 111 DC Circuit Lab	1	ELET 113 AC Circuits Lab	1
	ELET 131 DC Circuits	3	ELET 133 AC Circuits	3
	MATH 133 College Algebra	3	MATH 134 Plane Trig. or Math 136 Pre Cal.	3
	ENG 131 Freshman English I	3	ENG 132 Freshman English II	3
	CS 116* Intro to Computer and their Appl.	3	CHEM 111 General Chemistry Lab	1
	ENGT 111 Intro to Project Management	1	CHEM 131 General Chemistry	3
	FS 102 Freshman Seminar	1	SC 135 Business & Prof. Comm.	3
		<b>15 Hrs</b>		<b>17 Hrs</b>
	THIRD SEMESTER		FOURTH SEMESTER	
Second Year	ELET 114 Electronics I Lab	1	ELET 212 Electronics II Lab	1
	ELET 134 Electronics I	3	ELET 232 Electronics II	3
	MATH 241 Calculus & Geometry I	4	MATH 242 Calculus & Anal. Geometry	4
	PHYS 237 College Physics	3	PHYS 213 College Physics II Lab	1
	PHYS 214 College Physics I Lab	1	PHYS 238 College Physics II	3
	ENG 2xx Upper level English	3	ELET 215 Digital Systems Lab	1
			ELET 235 Digital Systems	3
		<b>15 Hrs</b>		<b>16 Hrs</b>
	FIFTH SEMESTER		SIXTH SEMESTER	
Third Year	ELET 313 Microprocessor Architecture Lab	1	ELET 311 Communicating Systems Lab	1
	ELET 333 Microprocessor Architecture	3	ELET 331 Communicating Systems	3
	MATH 345 Applied Math & Stat. for Tech.	3	ITEC 331 Technical Writing	3
	ENGT 331 Engineering Economy	3	ELET 422 Advanced Stru. Prog. With C++	3
	DRFT 233 Intro to Computer Aided Design	3	MUSI 239 Fine Arts in Daily Living	3
	POLS 235 America Pol System I	3	POLS 236 America Pol System II	3
			ENGT 333 Ethics in Prof. Engr. Practice	1
		<b>16 Hrs</b>		<b>17 Hrs</b>
	SEVENTH SEMESTER		EIGHTH SEMESTER	
Fourth Year	ELET 312 Control Systems Lab	1	ELET 410 Computer Control Systems Lab	1
	ELET 332 Control Systems	3	ELET 430 Computer Control Systems	3
	ELET 411 Micro Computer Networks Lab.	1	ELET 413 Microprocessor Interfacing Lab	1
	ELET 434 Micro Computer Networks	3	ELET 431 Microprocessor Interfacing	3
	SOC 157 Into to Sociology	3	ELET 440 Senior Electronics Project	4
	HIST 231 Soc. Pol. His. of U.S. to 1877	3	HIST 232 Soc. Pol. His. of U.S. since 1877	3
			ELET 441 Electronics SR. Comp	0
		<b>14 Hrs</b>		<b>15 Hrs</b>

**MASTER COURSE SCHEDULE FOR FALL 2018 TO SUMMER 2020 ENGINEERING**

COURSE NUMBER	COURSE NAME	CR HRS	FALL	SPR	SUM	FALL	SPR	SUM	PREREQUISITES	COREQS
ENGT 111	Introduction to Project Management	1	x	x		x	x		NONE	NONE
CIVE 141	Civil Engineering. Materials	3	x	x		x	x		NONE	CIVE 141L
CIVE 141 Lab	Civil Engineering. Materials Lab	3	x	x		x	x		NONE	CIVE 141
CIVE 223	Water Resource Engineering	3		x			x		NONE	NONE
CIVE 224	Geotechnical Engineering	3		x			x		MATH 241 & CIVE 141	CIVE 224L
CIVT 224 Lab	Geotechnical Engineering Lab	1		x			x		CIVE 141L	CIVE 224
CIVE 231	Plane Surveying I	3	x			x			MATH 241	NONE
CIVE 232	Statics	3	x			x			MATH 241 & PHYS 251	NONE
CIVE 233	Dynamics	3		x			x		CIVE 232	NONE
CIVE 301	Environmental Engineering	3	x			x			CHEM 131 & CHEM 11	CIVE 310L
CIVE 301 Lab	Environmental Engineering Lab	1	x			x			NONE	CIVE 301
CIVE 332	Applied Fluid Mechanics	3	x			x			CIVE 232 & MATH 241	NONE
CIVE 333	Hydraulics Engineering	3		x			x		CIVE 332	NONE
CIVE 334	Transportation Engineering	3	x			x			CIVE 231	NONE
CIVE 335	Geometric Des of Highways	3		x			x		MATH 241 & CIVE 334	NONE
CIVE 336	Strength of Material	3	x			x			MATH 242, CIVE232 & PHYS 251	NONE
CIVE 338	Structural Analysis	3		x			x		CIVE 336	NONE
CIVE 339	Reinforced Concrete Design	3	x			x			CIVE 338 & CIVE 141	NONE
CIVE 340	Structural Steel Design	3	x			x			CIVE 338	NONE
CIVE 400	Civil Engineering Project	3	X	X	x	X	X		NONE	CIVE 340
CIVE 430	Engineering Practicum	6	X	X	X	X	X	X	NONE	NONE
CIVE 434	Water and Wastewater Engineering	3		x			x		CIVE 301 & CIVE 333	NONE
CIVE 435	Building Construction	3		x			x		CIVE 339 & CIVE 340	NONE
CIVE 490	Introduction to Bridge Engineering	3		X			X		CIVE 338	NONE
ECE 110	Introduction to Electrical and Computer Engineering	1	x	x		x	x		NONE	NONE
ECE 111	Circuit Analysis I Lab	1	x			x			NONE	ECE 131
ECE 130	Programming for Engineering Application	3	x	x		x	x		NONE	NONE
ECE 131	Circuit Analysis I	3	x			x			MATH 241	ECE 111
ECE 211	Circuit Analysis II Lab	1		x			x		NONE	ECE 231
ECE 215	Digital Systems Lab	1	x			x			MATH 241 & PHYS 251	ECE 235
ECE 231	Circuit Analysis II	3		x			x		ECE 131 & MATH 241	ECE 211
ECE 235	Digital Systems	3	x			x			ECE 231	ECE 215
ECE 236	Java Programming	3		x			x		ECE 130	NONE
ECE 239	Electromechanical Energy Conversions	3	x			x			ECE 231 & PHYS 251	PHYS 252
ECE 311	Electronic Circuits Lab	1	x			x			NONE	ECE 331
ECE 312	Microprocessor Architecture Lab	1	x	x		x			NONE	ECE 332

ECE 315	Control System Lab	1	x	x		x	x		NONE	ECE 335
ECE 319	Real-Time Embedded Systems Lab	1							NONE	ECE 339
ECE 330	Engineering Mathematical Analysis	3	x			x			MATH 251	NONE
ECE 331	Electronic Circuits	3	x			x			ECE 231 & MATH 242	ECE 311
ECE 332	Microprocessor Architecture	3	x	x		x			ECE 235	ECE 312
ECE 333	Software Engineering	3		x			x		ECE 236	NONE
ECE 334	Signal and System	3	x	x					MATH 242	NONE
ECE 335	Control System	3	x	x		x	x		ECE 330 & ECE 331	ECE 315
ECE 336	Introduction to VLSI Design	3		x			x		ECE 331 & ECE 332	NONE
ECE 337	Operating System	3	x			x			ECE 332 & Junior Standing	NONE
ECE 338	Computer and Wireless Networks	3	x	x		x	x		ECE 332	NONE
ECE 339	Real-Time Embedded Systems	3	x	x		x	x		ECE 332	ECE 319
ECE 412	Communication Systems Lab	1	x	x		x	x		NONE	ECE 432
ECE 414	Data Communications Lab	1		x		x			NONE	ECE 434
ECE 430	Applied Electromagnetics	3	x						ECE 330	NONE
ECE 431	Special Topics	3	x	x		x	x		Consent of Faculty Chair	NONE
ECE 432	Communication Systems	3				x			ECE 330 and ECE 331	ECE 412
ECE 433	Microwave Engineering	3	x	x		x	x		ECE 430	NONE
ECE 434	Data Communications	3	x			x			ECE 338	ECE 414
ECE 435	Network Programming	3		x			x		ECE 338	NONE
ECE 436	Artificial Intelligence	3		x			x		Senior Standing	NONE
ECE 437	Digital Signal Processing	3	x			x			ECE 235 and Math 243	NONE
ECE 438	Power System Analysis	3	x			x			ECE 331 , MATH 243 & PHYS 252	NONE
ECE 439	Applied Cyber Security	3		x			x		ECE 338	NONE
ECE 441	Senior Project	4	x	x		x	x		Senior Standing	NONE
ECE - ECX	ECE comprehensive Exam	0	x	x	x	x	x	x	Senior Standing	NONE
ENGR 131	Engineering Graphics	3	x	x		x	x		NONE	NONE
ENGT 111	Introduction to Project Management	1	x	x		x	x		NONE	NONE
ENGR 331	Engineering Economy	3	x	x		x	x		MATH 242	NONE
ENGR 333	Ethics in Prof Eng Practice	1	x	x		x	x		NONE	NONE
ENGR 433	Alternative Energy	1	x	x		x	x		NONE	NONE
ENGR 480	Construction Management	3	x	x		x	x		NONE	NONE

## DEPARTMENT OF ENVIRONMENTAL AND INTERDISCIPLINARY SCIENCES

The Department of Environmental and Interdisciplinary Sciences offers the following degrees, Master of Science (M.S.—both thesis and non-thesis) and the Doctorate of Philosophy (Ph.D.) in Environmental Toxicology. The teaching facilities, research facilities, and faculty members for the Department are housed on the 1st and 3rd floors of the TSU Science Building with the Department Office located in Room 303. In addition to the graduate level programs, the department offers the general education course in Geology (GEOL 141).

**Students interested in pursuing the Master of Science or a Doctorate of Philosophy in Environmental Toxicology should consult the Graduate School Bulletin of Texas Southern University for further information.**

### LISTING OF FACULTY IN THE DEPARTMENT

<b>Balaji Bhaskar, Maruthi Sridhar</b> <b>Assistant Professor and Director of the Environmental Toxicology Program</b> Ph.D. Mississippi State University M.S. Acharya N.G. Ranga Agricultural University B.S. Acharya N.G. Ranga Agricultural University	<b>Yakubu, Momoh A.</b> <b>Associate Professor</b> Ph.D., University of Glasgow B.S., University of Ibadan
<b>Hwang, Hyun-Min</b> <b>Visiting Assistant Professor</b> Ph.D., Texas A&M University M.S., Hanyang University B.S., Hanyang University	<b>Shishodia, Shishir</b> <b>Associate Professor of Biology,</b> <b>Interim Chair and Interim Associate Dean for Academic Affairs</b> Ph.D. Banaras Hindu University M.S. Banaras Hindu University B.S. Ranchi University



## ENVIRONMENTAL AND INTERDISCIPLINARY SCIENCES COURSES

### GEOL 141

#### INTRODUCTION TO EARTH

(3)

Introduction to the study of the earth is an introductory course in physical and historical geology. It involves the study of the principles of geology, study of the earth's composition, structure, and internal and external processes. It includes the geologic history of the earth and the evolution of life. This course comprises three hours of lecture per week.

**Listed as GEOL 1303 in the TCCNS and satisfies 3 credit hours of the following general education core curriculum component area: Life and Physical Sciences**

## DEPARTMENT OF INDUSTRIAL TECHNOLOGIES

The Bachelor of Science (B.S.) degree in Industrial Technology, with concentrations in Construction Technology (CONS) and Design Technology (DRFT), is offered in the Department of Industrial Technologies. Supporting courses in Cooperative Education (COE), Industrial Technology (ITEC), and Automated Manufacturing Technology (MFG) are also offered through the Department. Two minors are offered for students pursuing majors in other academic disciplines and who are required to declare a minor in a second academic discipline for graduation. One minor is offered in Industrial Technology, and the other minor is offered in Community Development. All programs are accredited by The Association of Technology, Management, and Applied Engineering (ATMAE). Members of the Department are housed in the Leonard H.O. Spearman Technology Building. Detailed information on concentrations and minors is provided below.

In seeking the B.S. in Industrial Technology through this unit, students may select from two (2) different curriculum concentrations that focus on one of the following areas of concentration: Construction Technology or Design Technology. Students are not required to declare a minor in a second academic discipline in selecting one of the available concentrations. Detailed information on both options leading to the B.S. in Industrial Technology is provided below.

The primary mission of the Department is to offer programs of study designed to prepare students as “management-oriented technical professionals” who have practical knowledge, competencies, skills, and training to serve and function in the Industrial/ Manufacturing Enterprise System. In pursuing this mission, the Department seeks to prepare Industrial Technologists and Technical Managers for career opportunities in the Manufacturing, Construction, and Communications Industries.

Students wishing to earn the B.S. in Industrial Technology must first gain admission to the University, must satisfy TSI requirements and eradicate identified deficiencies through the Student Academic Enhancement Services (SAES), must contact the Department Office while satisfying TSI requirements for advisement, and must petition the Department for admission once TSI requirements have been completed and deficiencies removed. Students wishing to minor in Industrial Technology should contact the Department Office once they have been admitted as majors in other academic units of the University and have met all TSI requirements. **Prior to graduation, all courses required for the degree must be completed with grades of “C” or better (grades below “C”, including “C-”, are unacceptable) and majors must pass an exit examination during their senior year. All transfer students and those students requesting a minor in Industrial Technology must have a GPA of 2.5 or better.**

**For the minor in Industrial Technology, twenty-one (21) semester credit hours must be completed with grades of “C” or better (grades below “C”, including “C-”, are unacceptable).** Fifteen (15) of the twenty-one (21) credits must be selected from one of three academic disciplines offered through the unit: CONS, DRFT, or MFG. Three (3) additional semester credit hours must be selected from a second of these three disciplines. The last three (3) semester credit hours required must be taken through enrollment in one of the following: ITEC 331, ITEC 333, or ITEC 439. Minors must also complete the following two (2) Mathematics courses or their equivalents in conjunction with the designated twenty-one (21) semester credit hours above and with the same grade restrictions: MATH 133 (3 credits) and MATH 134 (3 credits). All programs of study for minors must be approved, in advance, by the Faculty Chair prior to enrollment in courses.

The minor in Community Development represents a comprehensive, interdisciplinary approach that includes courses offered through the unit, as well as courses offered through other units at the University. A total of twenty-one (21) semester credit hours must be completed which are broadly apportioned between theoretical knowledge (18 credits) and experiential learning (3 credits). **Courses enrolled for in seeking this minor must be completed with grades of “C” or better where grades below “C”, including “C-”, are unacceptable.** Students seeking the Community Development minor are required to enroll in the following courses offered through this unit: ITEC 131 (3 credits), ITEC 335 (3 credits), CONS 344 (3 credits), CONS 435 (3 credits), and COE 333 (3 credits). Outside of this unit, students are required to complete the following two courses in order to complete the minor: SOC 337 (3 credits) and MGMT 400 (3 credits).

**Students requiring additional information should contact the Department either directly or by calling 713-313-7679.**

## LISTING OF FACULTY IN THE DEPARTMENT

<b>Horner, Jessie E.</b> <b>Associate Professor (Interim Chair)</b> B.S., Northwestern State University M.S., Texas Southern University Ed.D., University of Houston	<b>Lott, Carl B.</b> <b>Assistant Professor</b> B.S., M.S., Ed.D., Texas Southern University
<b>Lewis, J. Jonathan, CSTM</b> <b>Associate Professor</b> A.A., Kingsboro College B.B.A., Jones College M.S., Ed.D., Texas Southern University	<b>Osakue, Edward E.</b> <b>Assistant Professor</b> B.Eng., University of Benin M.Eng., University of Benin Ph.D., University of New Brunswick

## CONSTRUCTION TECHNOLOGY COURSES

<b>CONS 131</b>	<b>Introduction to Construction Development</b>	<b>(3)</b>
	Introduction to the overall construction industry to include history, career opportunities, entrepreneurship, types of construction, differences in office and jobsite working conditions, plan reading and vocabulary. Three hours of lecture per week.	
<b>CONS 141</b>	<b>Materials and Methods</b>	<b>(2)</b>
	Sources, properties, acceptable and recommended applications of industrial materials in the construction industry. Two hours of lecture week and two per week.	
<b>CONS 141L</b>	<b>Materials and Applications Lab</b>	<b>(1)</b>
	Laboratory exercises on applications of industrial materials. Two hours of laboratory per week. Corequisite: CONS 141.	
<b>CONS 242</b>	<b>Framing Principles</b>	<b>(1)</b>
	Foundation and wall framing techniques essential to residential and light commercial construction and construction details involving form building, bracing, steps, and geometry of roofing systems. One hour of lecture lab per week. Corequisite: 242; Prerequisite: CONS 141.	
<b>CONS 242L</b>	<b>Framing Principles Lab</b>	<b>(2)</b>
	Laboratory exercises in foundation and wall framing techniques n construction details for residential and light commercial construction. Four hours of laboratory per week. Corequisite: 242.	
<b>CONS 243</b>	<b>Energy Efficiency and Construction</b>	<b>(1)</b>
	Energy efficiency in residential and light commercial buildings. Fuel based, solar, and other alternative energy sources. Economic analyses and societal impact of alternatives. One hour of lecture per week. Corequisite: CONS 243L; Prerequisite: CONS 242.	
<b>CONS 243L</b>	<b>Energy Efficiency and Construction</b>	<b>(2)</b>
	Energy efficiency in residential and light commercial buildings. Fuel based, solar, and other alternative energy sources. Economic analyses and societal impact of alternatives. Four hours of laboratory per week. Corequisite: CONS 243.	
<b>CONS 244</b>	<b>Construction Safety</b>	<b>(3)</b>
	Examination of specialized procedures in health, safety, and environmental protection and lost prevention for the construction industry. Requirements of OSHA and other federal and state standards and regulations emphasized. Three hours of lecture per week.	
<b>CONS 331</b>	<b>Models and Presentations</b>	<b>(1)</b>
	Three-dimensional requirements for models using computer-aided drafting techniques and cardboard, plastic, and wood media. Plan reading, scaling, and sketching emphasized. One hour of lecture per week. Corequisite: CONS 331; Prerequisites: DRFT 133, DRFT 232 and CONS 242.	

<b>CONS 331L</b>	<b>Models and Presentation Lab</b>	<b>(2)</b>
	Exercises in drafting techniques and cardboard, plastic, and wood media. Plan reading, scaling, and sketching emphasized. Four hours of laboratory per week. Corequisite: CONS 331.	
<b>CONS 333</b>	<b>Quantity Surveying</b>	<b>(2)</b>
	Quantity surveying for construction and engineering along with bid preparation and analysis where computer applications are emphasized. Two hours of lecture and per week. Prerequisite: Consent of the instructor. Corequisite: CONS 333L.	
<b>CONS 333L</b>	<b>Quantity Surveying Lab</b>	<b>(1)</b>
	Exercises in the accurate use of estimating methods and correct visualization of work. Two hours of laboratory per week. Corequisite: CONS 333.	
<b>CONS 334</b>	<b>Concrete Technology</b>	<b>(1)</b>
	Methods for forming concrete, concrete elements and handling, and reinforced concrete. One hour of lecture per week. Corequisite: 334L; Prerequisites: CONS 242 and DRFT 133.	
<b>CONS 334L</b>	<b>Concrete Technology Lab</b>	<b>(2)</b>
	Exercises in forming, elements, and handling of concrete. Four hours of laboratory per week. Corequisite: CONS 334.	
<b>CONS 341</b>	<b>MEPFI Systems</b>	<b>(2)</b>
	Introduction to Mechanical, Electrical, Plumbing, Fire and information distribution systems found in the design and building phases of construction. Emphasis on how these systems support occupant's use; climate specific issues and the impact of these distributions systems on their uses. Two hours of lecture per week. Corequisite: 341L; Prerequisites: CONS 242 and DRFT 232 or the equivalents.	
<b>CONS 341L</b>	<b>MEPFI Systems Lab</b>	<b>(1)</b>
	Exercises in Mechanical, Electrical, Plumbing, Fire, and information distribution systems found in the design and building phases of construction. Two hours of laboratory per week. Corequisite: CONS 341.	
<b>CONS 344</b>	<b>Construction Management I</b>	<b>(1)</b>
	Study of the principles of construction systems management with emphasis on stages of construction, management information systems, and operations management. One hour of lecture per week. Corequisite: CONS 344L; Prerequisite: CONS 334.	
<b>CONS 344L</b>	<b>Construction Management I Lab</b>	<b>(2)</b>
	Exercises in the stages of construction, management information systems, and operations management. Four hours of laboratory per week. Corequisite: CONS 344.	
<b>CONS 433</b>	<b>Estimating</b>	<b>(2)</b>
	Instruction in making materials and labor estimates for residential and light commercial buildings primarily from the use of working drawings. One hour of lecture per week. Corequisite: CONS 433; Prerequisites: CONS 242 and DRFT 232 or the equivalents.	

<b>CONS 433L</b>	<b>Estimating Lab</b>	<b>(1)</b>
	Instruction in costing materials and labor for residential and light commercial buildings primarily from the use of working drawings. Two hours of laboratory per week. Corequisite: CONS 433	
<b>CONS 435</b>	<b>Contracts and Specifications</b>	<b>(3)</b>
	Legal aspects of contracts, specifications, and legal documents along with bidding procedures. Students required to develop contract documents and specifications. Two hours of lecture and two hours of laboratory per week. Prerequisites: Senior standing and consent of the Faculty Chair or instructor.	
<b>CONS 436</b>	<b>Construction Management II</b>	<b>(2)</b>
	Management functions, by which construction projects are authorized, financed, supervised, and closed out. Emphasis on the development of effective supervisory and managerial techniques using computer databases. Two hours of lecture per week. Corequisite: CONS 436L; Prerequisite: Senior standing or consent of the instructor.	
<b>CONS 436L</b>	<b>Construction Management II Lab</b>	<b>(1)</b>
	Exercises in the management functions of construction projects. Two hours of laboratory per week Corequisite: CONS 436.	
<b>CONS 437</b>	<b>Construction Problems</b>	<b>(3)</b>
	Independent, in-depth study and analysis of special problems related to construction where students must use critical and creative thinking skills for formulating solutions. Three hours of lecture per week. Prerequisites: Senior standing and consent of the instructor.	
<b>CONS 451</b>	<b>Mechanical Systems</b>	<b>(1)</b>
	Principles of air conditioning and heating systems used in commercial and residential buildings with emphasis on planning and designing systems. One hour of lecture per week. Corequisite: CONS 451L; Prerequisite: Consent of the instructor.	
<b>CONS 451L</b>	<b>Mechanical Systems Lab</b>	<b>(2)</b>
	Laboratory exercises covering principles of air conditioning and heating systems used in commercial and residential buildings. Four hours of laboratory per week. Corequisite: CONS 451.	
<b>CONS 475</b>	<b>Facilities Management</b>	<b>(2)</b>
	Techniques in the overall management and maintenance of facilities such as schools, housing projects, and municipal buildings. Organization, supervision, and life cycle costing using computer applications emphasized. Two hours of lecture per week. Corequisite: CONS 475L; Prerequisite: Senior level or consent of the instructor.	
<b>CONS 475L</b>	<b>Facilities Management Lab</b>	<b>(1)</b>
	Laboratory exercises on sketching, costing, and computer applications of facilities. Two hours of laboratory per week. Corequisite: CONS 475.	

## DRAFTING AND DESIGN TECHNOLOGY COURSES

<b>DRFT 131</b>	<b>Fundamentals of Drafting</b>	<b>(1)</b>
	Emphasis on geometric construction, orthographic and axonometric projections. Introduction to computer aided drafting included. One hour of lecture per week. Corequisite: DRFT 131L.	
<b>DRFT 131L</b>	<b>Fundamentals of Drafting Lab</b>	<b>(2)</b>
	Emphasis on geometric construction, orthographic and axonometric projections. Introduction to computer aided drafting included. Four hours of laboratory per week. Corequisite: DRFT 131.	
<b>DRFT 132</b>	<b>Descriptive Geometry</b>	<b>(1)</b>
	Folding line relationships and notations, auxiliary views, angles between plane revolutions, and intersections. One hour of lecture and four hours of laboratory per week. Corequisite: DRFT 132L; Prerequisite: DRFT 131.	
<b>DRFT 132L</b>	<b>Descriptive Geometry Lab</b>	<b>(2)</b>
	Folding line relationships and notations, auxiliary views, angles between plane revolutions, and intersections. Four hours of laboratory per week. Corequisite: DRFT 132.	
<b>DRFT 133</b>	<b>Architectural Drafting</b>	<b>(1)</b>
	Fundamental architectural drafting practices related to developing working drawings for residential and light commercial buildings. Space planning and design in buildings with code requirements. One hour of lecture per week. Corequisite: DRFT 133L; Prerequisite: DRFT 131.	
<b>DRFT 133L</b>	<b>Architectural Drafting Lab</b>	<b>(2)</b>
	Fundamental architectural drafting practices related to developing working drawings for residential and light commercial buildings. Four hours of laboratory per week. Corequisite: DRFT 133.	
<b>DRFT 134</b>	<b>Mechanical Drawing</b>	<b>(2)</b>
	Machine components (threads, pulleys, gears, etc.) modeling and drafting with orthographic and supplementary projections. General tolerances and GD&T, detail and assembly machine drawings. Two hours of lecture per week. Corequisite: DRFT 134L; Prerequisite: DRFT 131.	
<b>DRFT 134L</b>	<b>Mechanical Drawing Lab</b>	<b>(1)</b>
	Orthographic and Supplementary projections, threads and fasteners, tolerances including GD&T, detail and assembly machine drawings. Two hours of laboratory per week. Corequisite: DRFT 134.	
<b>DRFT 136</b>	<b>Architectural Rendering</b>	<b>(1)</b>
	Artistic requirements in architecture, including emphasis on perspectives, shapes, shadows, and color presentations. One hour of lecture per week. Corequisite: DRFT 136L; Prerequisite: DRFT 133.	
<b>DRFT 136L</b>	<b>Architectural Rendering Lab</b>	<b>(2)</b>
	Artistic requirements in architecture, including emphasis on perspectives, shapes, shadows, and color presentations. Four hours of laboratory per week. Corequisite: DRFT 136.	

<b>DRFT 231</b>	<b>Pipe Drafting</b>	<b>(2)</b>
	Piping terminology, description of piping equipment, fittings and instruments. Pipe materials, sizes, ratings and applications. Creation of process block diagrams, (PBDs); PFDs and P&IDs, Creation of piping isometric diagrams. Two hours of lecture per week. Corequisite: DRFT 231L; Prerequisite: DRFT 131.	
<b>DRFT 231L</b>	<b>Pipe Drafting Lab</b>	<b>(1)</b>
	Piping terminology, equipments, valves, pipe fittings and instruments; PFDs and P&ID, piping isometric drawings. Two hours of laboratory per week. Corequisite: DRFT 231.	
<b>DRFT 232</b>	<b>Architectural Design</b>	<b>(2)</b>
	Introduction to structural materials selection and structural design of buildings. Modeling and drafting of concrete, steel and wooden structures; consideration of applicable standards. Two hours of lecture per week. Corequisite: DRFT 232L; Prerequisite: DRFT 133.	
<b>DRFT 232L</b>	<b>Architectural Design Lab</b>	<b>(1)</b>
	Graphic modeling and drafting of concrete, steel and wooden structures; consideration of applicable standards. Two hours of laboratory per week. Corequisite: DRFT 232.	
<b>DRFT 233</b>	<b>Introduction to Computer-Aided Design</b>	<b>(1)</b>
	Basic concepts, operations, and procedures necessary for producing engineering drawings on the computer. Solid modeling of mechanical and electrical/electronic components and assemblies. One hour of lecture per week. Corequisite: DRFT 233L; Prerequisite: DRFT 131 or Permission from Instructor.	
<b>DRFT 233L</b>	<b>Introduction to Computer-Aided Design Lab</b>	<b>(2)</b>
	Basic concepts, operations, and procedures necessary for producing solid models and engineering drawings on the computer. Four hours of laboratory per week. Corequisite: DRFT 233.	
<b>DRFT 331</b>	<b>Pipe System Design</b>	<b>(2)</b>
	Piping systems layout design and components integration, solid modeling of piping systems using industry standard software. Selection of valves, pumps, etc. Two hours of Lecture per week. Corequisite: DRFT 331L; Prerequisite: DRFT 231.	
<b>DRFT 331L</b>	<b>Pipe System Design Lab</b>	<b>(1)</b>
	Piping system layout considerations, solid modeling of piping units and systems using industry standard software. Two hours of laboratory per week. Corequisite: DRFT 331.	
<b>DRFT 333</b>	<b>Machine Design</b>	<b>(2)</b>
	Machine diagrams. Theory and practice of design of shafts, gears, cams, assembly modeling and drawings of machine. Two hours of Lecture per week. Corequisite: DRFT 333L; Prerequisite: DRFT 134 or DRFT 233.	



<b>DRFT 333L</b>	<b>Machine Design Lab</b>	<b>(1)</b>
	Design practice of shafts, gears, cams, etc.; assembly modeling and drawings of machine. Two hours of laboratory per week. Corequisite: DRFT 333.	
<b>DRFT 336</b>	<b>Computer Aided Design</b>	<b>(2)</b>
	Use of CAD software in design sizing, analysis and parametric modeling. Introduction to Rapid prototyping and CAD with applications in mechanical, electronics, and piping systems. Two hours of lecture per week. Corequisite: DRFT 336L; Prerequisite: DRFT 134 or DRFT 233.	
<b>DRFT 336L</b>	<b>Computer Aided Design Lab</b>	<b>(1)</b>
	Advanced and parametric modeling of components and assemblies. Design sizing and analysis. CAD and rapid prototyping. Two hours of laboratory per week. Corequisite: DRFT 336; Prerequisite: DRFT 134 or DRFT 233.	
<b>DRFT 430</b>	<b>Advanced Computer-Aided Design</b>	<b>(2)</b>
	Continuation of DRFT 233 with emphasis on advanced solid modeling such as parametric modeling and detailed assembly drawings. Two hours of lecture per week. Corequisite: DRFT 430L; Prerequisite: DRFT 233.	
<b>DRFT 430L</b>	<b>Advanced Computer-Aided Design Lab</b>	<b>(1)</b>
	Continuation of DRFT 233 with emphasis on advanced solid modeling and detailed assembly. Two hours of laboratory per week. Corequisite: DRFT 430.	
<b>DRFT 431</b>	<b>Structural Design</b>	<b>(2)</b>
	Design evaluation of building and structural integrity with respect to bending and compressive loads, etc.; solid modeling of buildings; consideration of applicable standards. Two hours of lecture per week. Corequisite: DRFT 431L Prerequisites: DRFT 232 or the consent of the instructor.	
<b>DRFT 431L</b>	<b>Structural Design Lab</b>	<b>(1)</b>
	Graphic modeling and drawings of fabrication, connectors and seats for beam, girders, columns, and trusses adhering to ASIC standards. Two hours of laboratory per week. Corequisite: DRFT 431.	
<b>DRFT 432</b>	<b>Senior Design Project</b>	<b>(1)</b>
	Integration of previous knowledge in the development of a design project. One hour of lecture per week. Prerequisites: Senior standing and consent of the Faculty Chair.	
<b>DRFT 432L</b>	<b>Senior Design Project Lab</b>	<b>(2)</b>
	Integration of previous knowledge in the development of a design project. Four hours of laboratory per week. Corequisite: DRFT 432.	

## INDUSTRIAL TECHNOLOGY COURSES

<b>ITEC 111</b>	<b>Orientation</b>	<b>(1)</b>
	Orientation to the College of Science and Technology and the University with discussion of career opportunities available in industrial and engineering technology and related area. One hour of lecture per week.	
<b>ITEC 131</b>	<b>Introduction to Community Development</b>	<b>(3)</b>
	Introduction to community development with emphasis on community development issues: new construction and rehabilitation, residential and commercial development, and business development. Three hours of lecture per week.	
<b>ITEC 331</b>	<b>Technical Writing</b>	<b>(3)</b>
	Techniques of collecting and presenting technical and scientific data, including definitions, evaluations, basic letters, abstracts, memoranda, and written reports. Three hours of lecture per week. Prerequisites: ENG 131 and 132.	
<b>ITEC 333</b>	<b>Industrial Supervision and Management</b>	<b>(3)</b>
	Study of management and supervision skills and concepts to enhance interpersonal relationships and motivational factors necessary for productivity in an organized industrial environment. Three hours of lecture per week. Prerequisites: Junior standing and consent of the Faculty Chair.	
<b>ITEC 335</b>	<b>Community Development Finance</b>	<b>(3)</b>
	Explores the financial skills required for the successful operation of a community development corporation within the context of overall economic development finance. Three hours of lecture per week. Prerequisite: ITEC 131.	
<b>ITEC 412</b>	<b>Senior Seminar</b>	<b>(1)</b>
	Organized to help senior students prepare to exit the University and to become employed. Emphasis on interviewing skills and resume preparation. One hour of lecture per week. Prerequisites: Senior standing and consent of the Faculty Chair.	
<b>ITEC 439</b>	<b>Industrial Safety</b>	<b>(3)</b>
	Study of safety management and enforcement techniques in an industrial environment with emphasis on personal safety. Three hours of lecture per week. Prerequisites: Senior standing and consent of the Faculty Chair.	

## AUTOMATED MANUFACTURING TECHNOLOGY COURSES

<b>MFG 131</b>	<b>Manufacturing Technology I</b>	<b>(1)</b>
	Manufacturing processes for industrial plastics, wood, and composite materials. Production methods, process equipment, tooling, jogs, and fixtures for plastics, wood, and wood composites used in manufacturing. One hour of lecture per week. Corequisite: MFG 131L.	
<b>MFG 131L</b>	<b>Manufacturing Technology I Lab</b>	<b>(2)</b>
	Manufacturing processes for industrial plastics, wood, and composite materials. Production methods, process equipment, tooling, jogs, and fixtures for plastics, wood, and wood composites used in manufacturing. Four hours of laboratory per week. Corequisite: MFG 131.	
<b>MFG 231</b>	<b>Manufacturing Processes</b>	<b>(2)</b>
	Study of engineering materials and processes as they pertain to the manufacture of industrial products. Two hours of lecture per week. Corequisite: MFG 231L.	
<b>MFG 231L</b>	<b>Manufacturing Processes Lab</b>	<b>(1)</b>
	Study of engineering materials and processes as they pertain to the manufacture of industrial products. Two hours of laboratory per week. Corequisite: MFG 231.	
<b>MFG 232</b>	<b>Manufacturing Technology II</b>	<b>(1)</b>
	Manufacturing processes for ferrous and non-ferrous metals. Precision machine tool operations, including grinding, drilling, shaping, milling, and turning. One hour of lecture per week. Corequisite: MFG 232L; Prerequisite: MFG 131.	
<b>MFG 232L</b>	<b>Manufacturing Technology II Lab</b>	<b>(2)</b>
	Manufacturing processes for ferrous and non-ferrous metals. Precision machine tool operations, including grinding, drilling, shaping, milling, and turning. Four hours of laboratory per week. Corequisite: MFG 232.	
<b>MFG 331</b>	<b>CNC Computer Programming</b>	<b>(1)</b>
	Theory of computer-aided parts programming. Methods of programming CNC machines; up and operation with emphasis on two, three, and multiple axis machines, mills, lathes, robots. One hour of lecture per week. Corequisite: MFG 331L; Prerequisite: Consent of the instructor.	
<b>MFG 331L</b>	<b>CNC Computer Programming Lab</b>	<b>(2)</b>
	Theory of computer-aided parts programming. Methods of programming CNC machines; up and operation with emphasis on two, three, and multiple axis machines, mills, lathes, robots. Four hours of laboratory per week. Corequisite: MFG 331.	

<b>MFG 332</b>	<b>Robotics Technology</b>	<b>(1)</b>
	Automated technology through the use of industrial robots; theory of electromechanical and pneumatic robots in manufacturing; robots for processing, assembly, and material handling. One hour of lecture per week. Corequisite: MFG 332L; Prerequisite: MFG 331.	
<b>MFG 332L</b>	<b>Robotics Technology Lab</b>	<b>(2)</b>
	Automated technology through the use of industrial robots; theory of electromechanical and pneumatic robots in manufacturing; robots for processing, assembly, and material handling. Four hours of laboratory per week. Corequisite: MFG 332.	
<b>MFG 333</b>	<b>Strength of Materials</b>	<b>(2)</b>
	Study of stresses and strains, mechanical properties of industrial materials, shear force and bending moment diagrams. Applications to design. Two hours of lecture per week. Corequisite: MFG 333L; Prerequisites: Math 134 and Physics 237 or permission from instructor.	
<b>MFG 333L</b>	<b>Strength of Materials Lab</b>	<b>(1)</b>
	Study of stresses and strains, mechanical properties of industrial materials, shear force and bending moment diagrams. Applications to design. Two hours of laboratory per week. Corequisite: MFG 333.	
<b>MFG 432</b>	<b>Flexible Manufacturing Systems</b>	<b>(1)</b>
	Introduction to computer integrated manufacturing and flexible manufacturing systems. Planning, organization, and management of automated computer controlled systems. One hour of lecture per week. Corequisite: MFG 432L; Prerequisite: MFG 331.	
<b>MFG 432L</b>	<b>Flexible Manufacturing Systems Lab</b>	<b>(2)</b>
	Introduction to computer integrated manufacturing and flexible manufacturing systems. Planning, organization, and management of automated computer controlled systems. Four hours of laboratory per week. Corequisite: MFG 432.	
<b>MFG 433</b>	<b>Manufacturing Technology Problems</b>	<b>(1)</b>
	Individual study of problems in an industrial setting with regard to personnel, material, equipment, and facilities as they relate to manufacturing. One hour of lecture per week. Corequisite: MFG 433L; Prerequisites: Senior standing and consent of the instructor.	
<b>MFG 433L</b>	<b>Manufacturing Technology Problems Lab</b>	<b>(2)</b>
	Individual study of problems in an industrial setting with regard to personnel, material, equipment, and facilities as they relate to manufacturing. Four hours of laboratory per week. Corequisite: MFG 433.	

## COOPERATIVE EDUCATION COURSES

- COE 233**                      **Cooperative Education I**    **(3)**
- Designed to give students experience in industry. They are introduced to training in concentration areas, are supervised closely, and begin developing interpersonal skills. Twenty to Forty hours of work experience per week. Prerequisites: Completion of at least 30 semester credit hours with minimum GPA of 2.50.
- COE 235**                      **Cooperative Education II**    **(3)**
- Designed to make students assertive in the workplace, aware of gaining upward mobility, and continue to develop skills in their chosen career areas. Twenty to forty hours of work experience per week. Prerequisite: COE 233.
- COE 333**                      **Cooperative Education III**    **(3)**
- Students continue career related work in their chosen areas, and evaluating their career choices through training requirements, working conditions, and employment outlook. Twenty to forty hours of work experience per week. Prerequisite: COE 235.
- COE 433**                      **Cooperative Education IV**    **(3)**
- Student/employer exposure is well established and students are prepared for full-time employment. Twenty to forty hours of work experience per week. Prerequisite: COE 333 or senior level standing.

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE  
IN INDUSTRIAL TECHNOLOGY  
CONSTRUCTION TECHNOLOGY CONCENTRATION  
TOTAL CREDITS REQUIRED: 125**

CORE CURRICULUM (STANDARD)*		MAJOR (INDUSTRIAL TECHNOLOGY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		39 credits	44 credits	0 credits
<b>Communication:</b>		CONS 131 (3)	ACCT 231 (3)^	
ENG 131 (3) **	ENGL 1301	CONS 141 (3)	CIVT 231 (3)	
ENG 132 (3)	ENGL 1302	CONS 242/242L (3)	DRFT 131 (3)	
<b>Mathematics:</b>		CONS 333 (3)	DRFT 133 (3)	
MATH 133 (3)	MATH 1314	CONS 334 (3)	DRFT 232 (3)	
<b>Life and physical sciences:</b>		CONS 331 (3)	DRFT 431 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	CONS 341 (3)	ELET 131 (3)	
PHYS 237 (3)	PHYS 1301	CONS 344 (3)		
<b>Language, philosophy, and culture:</b>		CONS 433 (3)	FS 102 (1)	
ENG 2xx (3) ***		CONS 435 (3)	ITEC 331 (3)	
<b>Creative arts:</b>		CONS 436 (3)	ITEC 333 (3)	
ART 135 (3)	ARTS 1301	CONS 437 (3)	ITEC 412 (1)	
<b>American history:</b>		CONS 475 (3)	ITEC 439 (3)	
HIST 231 (3)	HIST 1301		MATH 138 (3)	
HIST 232 (3)	HIST 1302		MFG 333 (3)	
<b>Government/political science:</b>			ELECTIVE (6)****	
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
ECON 231 (3)	ECON 2301			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, OR ENG 244 (TCCN: ENGL 2332, ENGL 2333, OR ENGL 2326

^Math 138 - prerequisite for ACCT 231

\*\*\*\* ELECTIVES should be selected from the following courses: CIVT 232, CONS 244, CONS 243, COE 433

**BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY  
CONSTRUCTION TECHNOLOGY CONCENTRATION  
DEGREE PLAN – TOTAL CREDITS: 125**

	FIRST SEMESTER		SECOND SEMESTER	
	<b>First Year</b>	ART 135 Topics in Contemp. Art and Culture	3	CONS 141 Materials and Methods
CONS 131 Intro to Const Develop		3	CONS 141L Materials and Methods Lab	0
ENG 131* Freshman English I		3	CHEM 131 or BIOL 143	3
DRFT 131 Fundamentals of Drafting		3	ELET 131 DC Circuits Lec	3
MATH 133* College Algebra		3	ENG 132 Freshman English II	3
FS 102 Freshman Seminar		1	MATH 138 Math for Business & Econ Analysis II	3
			CS 116 Intro to Computer Science I Lec	3
		<b>16 Hrs</b>		<b>18 Hrs</b>
	THIRD SEMESTER		FOURTH SEMESTER	
	<b>Second Year</b>	CIVT 231 Surveying I	3	CONS 334 Concrete Technology
CONS 242 Framing Principles		1	DRFT 232 Architectural Design	3
CONS 242L Framing Principles Lab		2	PHYS 237 College Physics I Lec	3
DRFT 133 Architectural Drafting		3	HIST 232 Social & Political History of the United States to 1877	3
ENG 2XX (upper Level)		3	POLS 236 American Political Systems II	3
HIST 231 Social & Political History of the United States to 877		3	SC 135 or 136 Business & Professional Communication or Public Address	3
POLS 235 American Political Systems I		3		
		<b>18 Hrs</b>		<b>18 Hrs</b>
	FIFTH SEMESTER		SIXTH SEMESTER	
	<b>Third Year</b>	ECON 231 Principles of Economics	3	ACCT 231 Principles of Accounting
CONS 333 Quantity Surveying		3	CONS 331 Models and Presentations	3
CONS 344 Construction Management I		3	CONS 341 (MEPFI) Intro to Mechanical, Electrical, Plumbing, Fire and Information distribution Systems	3
ITEC 331 Technical Writing		3	CONS 433 Estimating	3
ITEC 333 Supervision and Management		3	MFG 333 Strength of Materials	3
ITEC 439 Industrial Safety		3		
		<b>18 Hrs</b>		<b>15 Hrs</b>
	SEVENTH SEMESTER		EIGHTH SEMESTER	
	<b>Fourth Year</b>	CONS 436 Construction Management II	3	CONS 437 Construction Problems
CONS 435 Contracts and Specifications		3	ITEC 412 Senior Seminar	1
DRFT 431 Structural Design		3	CONS 475 Facilities Management	3
ELECTIVE		3	ELECTIVE	3
			Comprehensive Examination	0
		<b>12 Hrs</b>		<b>10 Hrs</b>

**CURRICULUM SUMMARY FOR THE BACHELOR OF  
SCIENCE IN INDUSTRIAL TECHNOLOGY  
DESIGN TECHNOLOGY  
CONCENTRATION  
TOTAL CREDITS REQUIRED:125**

CORE CURRICULUM (STANDARD)*		MAJOR (INDUSTRIAL TECHNOLOGY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		39 credits	44 credits	0 credits
<b>Communication:</b>		DRFT 131 (3)	ACCT 231 (3)^	
ENG 131 (3) **	ENGL 1301	DRFT 133 (3)	CONS 141 (3)	
ENG 132 (3)	ENGL 1302	DRFT 134 (3)	CONS 333 (3)	
<b>Mathematics:</b>		DRFT 136 (3)	MFG 232 (3)	
MATH 133 (3)	MATH 1314	DRFT 231 (3)	ELET 131 (3)	
<b>Life and physical sciences:</b>		DRFT 232 (3)		
CHEM 131 or BIOL 143 (3)	CHEM 1311or BIOL 1308	DRFT 233 (3)	FS 102 (1)	
PHYS 237 (3)	PHYS 1301	DRFT 331 (3)	ITEC 331 (3)	
<b>Language, philosophy, and culture:</b>		DRFT 333 (3)	ITEC 333 (3)	
ENG 2xx (3) ***		DRFT 336 (3)	ITEC 412 (1)	
<b>Creative arts:</b>		DRFT 430 (3)	ITEC 439 (3)	
ART 135 (3)	ARTS 1301	DRFT 431 (3)	MATH 134 (3)	
<b>American history:</b>		DRFT 432 (3)	MATH 138 (3)	
HIST 231 (3)	HIST 1301		MFG 231 (3)	
HIST 232 (3)	HIST 1302		MFG 333 (3)	
<b>Government/political science:</b>			ELECTIVES (6)****	
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
PSY 131 (3)	PSYC 2301			
<b>Institutional Options:</b>				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, OR ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, OR ENGL 2326)

^Math 138 - prerequisite for ACCT 231

\*\*\*\* ELECTIVES should be selected from the following courses: DRFT 132, CONS 341



**BACHELOR OF SCIENCE  
IN INDUSTRIAL TECHNOLOGY  
DESIGN TECHNOLOGY CONCENTRATION  
TOTAL CREDITS: 125**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ART 135 Topics in Contemp. Art and Culture	3	CONS 141 Materials and Applications	3
	CS 116 Introduction to Computer Science I	3	CONS 141L Materials and Applications Lab	0
	DRFT 131 Fundamentals of Drafting	3	DRFT 134 Mechanical Drafting	3
	ENG 131* Freshman English I	3	ELET 131 DC Circuits Lec	3
	FS 102 Freshman Seminar	1	ENG 132 Freshman English II	3
	MATH 133* College Algebra	3	MATH 134 Trigonometry	3
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	CHEM 131 General Chemistry I Lec	3	DRFT 136 Architectural Rendering	3
	ENG 2XX (upper Level)	3	DRFT 232 Architectural Design	3
	DRFT 133 Architectural Drafting	3	ACCT 231 Principles of Accounting	3
	DRFT 231 Pipe Drafting	3	PHYS 237 College Physics I Lec	3
	MFG 231 Manufacturing Processes	3	SC 135 Business & Professional Communication	3
	MATH 138 Math for Business & Econ Analysis II	3		
	<b>18 Hrs</b>		<b>15 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MFG 232 Applied Statics	3	PSY 131 Introduction to Psychology	3
	DRFT 233 Basic Computer Drafting	3	DRFT 331 Piping System Design	3
	DRFT 333 Machine Design	3	ITEC 331 Technical Writing	3
	ITEC 333 Supervision and Management	3	MFG 333 Strength of Material	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	POLS 235 American Political Systems I	3	POLS 236 American Political Systems II	3
	<b>18 Hrs</b>		<b>18 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	DRFT 336 Computer Aided Design	3	DRFT 430 Advance Computer-Aided Design	3
	DRFT 431 Structural Design	3	DRFT 432 Senior Design Project	3
	CONS 333L Quantity Surveying	3	ITEC 412 Senior Seminar	1
	ITEC 439 Industrial Safety	3	ELECTIVE	3
	ELECTIVE	3	Comprehensive Exam	0
	<b>15 Hrs</b>		<b>10 Hrs</b>	

\* Pending acceptable score on English and Mathematics Placement Examination

## Master Course Schedule for Fall 2018 to Summer 2020

COURSE NUMBER	COURSE NAME	CREDIT HOURS	EVEN YEAR			ODD YEAR			PREREQUISITES	CO-REQUISITES
			FALL	SPRING	SUM	FALL	SPRING	SUM		
CONS 131	Introduction to Construction Development	3	X				X			
CONS 141	Construction Materials and Methods	2		X				X	CONS 131	CONS 141L
Cons 141L	Construction Materials and Methods Lab	1		X				X		CONS 141
CONS 242	Framing Principles	1	X				X		CONS 141	CONS 242L
CONS 242L	Framing Principles Lab	2	X				X			CONS 242
CONS 243	Energy Efficiency and Construction	1						X	CONS 242	CONS 243L
CONS 243L	Energy Efficiency and Construction Lab	2						X		CONS 243
CONS 244	Construction Safety	3		X					CONS 141	
CONS 331	Models and Presentations	1					X		CONS 242	CONS 331L
CONS 331L	Models and Presentations Lab	2					X			CONS 331
CONS 333	Quantity Surveying	2	X						CONS 242 & DFTG 232	CONS 333L
CONS 333L	Quantity Surveying Lab	1	X							CONS 333
CONS 334	Concrete Technology	1		X					CONS 141	CONS 334L
CONS 334L	Concrete Technology Lab	2		X						CONS 334
CONS 341	MEPFI	2						x	CONS 242	CONS 341L
CONS 341L	MEPFI Lab	1						x		CONS 341
CONS 344	Construction Management I	1					x		CONS 242	CONS 344L
CONS 344L	Construction Management I Lab	2					x			CONS 344
CONS 433	Estimating	2		x					CONS 333	CONS 433L
CONS 433L	Estimating Lab	1		x						CONS 433
CONS 435	Constructs and Specifications	3	x						CONS 333	CONS 435L
CONS 436	Construction Management II	2						x	CONS 344	CONS 436L
CONS 436L	Construction Management II Lab	1						x	CONS 344	CONS 436
CONS 437	Construction Problems	3	x	x			x	x	Senior Level	
CONS 451	Mechanical Systems	1	x						CONS 242	CONS 451L
CONS 451L	Mechanical Systems Lab	2	x							CONS 451
CONS 475	Facilities Management	2					x		Senior Level	CONS 475L
CONS 475L	Facilities Management Lab	1					x		Senior Level	CONS 475
DRFT 131	Fundamentals of Drafting	1	x	x			x	x		DRFT 131L
DRFT 131L	Fundamentals of Drafting Lab	2	x	x			x	x		DRFT 131
DRFT 132	Descriptive Geometry	1		x				x	DRFT 131	DRFT 132L
DRFT 132L	Descriptive Geometry Lab	2		x				x		DRFT 132
DRFT 133	Architectural Drafting	1	x				x		DRFT 131	DRFT 133L
DRFT 133L	Architectural Drafting Lab	2	x				x			DRFT 133
DRFT 134	Mechanical Drawing	2		x				x	DRFT 131	DRFT 134L

DRFT 134L	Mechanical Drawing Lab	1		x			x			DRFT 134
DRFT 136	Architectural Rendering	1	x				x			DRFT 133 DRFT 136L
DRFT 136L	Architectural Rendering Lab	2	x				x			DRFT 133 DRFT 136
DRFT 231	Pipe Drafting	2	x				x			DRFT 131 DRFT 231L
DRFT 231L	Pipe Drafting Lab	1	x				x			DRFT 231
DRFT 232	Architectural Design	2		x				x		DRFT 133 DRFT 232L
DRFT 232L	Architectural Design Lab	1		x				x		DRFT 232
DRFT 233	Introduction to Computer-Aided Design	1	x	x	x	x	x	x		DRFT 131 DRFT 233L
DRFT 233L	Introduction Computer-Aided Design Lab	2	x	x	x	x	x	x		DRFT 233
DRFT 331	Pipe System Design	2	x				x			DRFT 231 DRFT 331L
DRFT 331L	Pipe System Design Lab	1	x				x			DRFT 331
DRFT 333	Machine Design	2		x				x		DRFT 134 & DRFT 233 DRFT 333L
DRFT 333L	Machine Design Lab	1		x				x		DRFT 333
DRFT 336	Computer-Aided Design	2	x	x			x	x		DRFT 232 DRFT 336L
DRFT 336L	Computer-Aided Design Lab	1	x	x			x	x		DRFT 336
DRFT 430	Advanced Computer-Aided Design	1		x				x		DRFT 233 DRFT 430L
DRFT 430L	Advanced Computer-Aided Design Lab	2		x				x		DRFT 430
DRFT 431	Structural Drafting and Design	2	x				x			DRFT 133 DRFT 431L
DRFT 431L	Structural Drafting and Design Lab	1	x				x			DRFT 431
DRFT 432	Senior Design Project	1				x			x	SR. LEV & consent of Chair DRFT 432L
DRFT 432L	Senior Design Project Lab	2				x			x	DRFT 432
ITEC 111	Orientation	1	x	x			x	x		
ITEC 131	Introduction to Community Development	3								
ITEC 331	Technical Writing	3	x	x			x	x		ENG 131 & Eng 132
ITEC 333	Industrial Supervision and Management	3	x				x			JR LEV & consent of Chair
ITEC 335	Community Development Finance	3		x						ITEC 131
ITEC 412	Senior Design Seminar	3	x	x			x	x		SR LEV & consent of Chair
ITEC 439	Industrial Safety	3		x			x			SR LEV & consent of Chair
ITEC 495	Special Topics	3	x	x			x	x		SENIOR LEVEL
MFG 131	Manufacturing Technology I	1								MFG 131L
MFG 131L	Manufacturing Technology I Lab	2								MFG 131
MFG 231	Manufacturing Processes	2	x				x			MFG 131 MFG 231L
MFG 231L	Manufacturing Processes Lab	1	x				x			MFG 231
MFG 232	Applied Statics	2								MATH 134 or MATH 138 MFG 232L
MFG 232L	Applied Statics Lab	1								MATH 134 or MATH 138 MFG 232
MFG 331	CNC Computer Programming	1								Consent of Instr MFG 331L
MFG 331L	CNC Computer Programming Lab	2								MFG 331
MFG 332	Robotics Technology	1								Consent of Inst MFG 332L
MFG 332L	Robotics Technology Lab	2								MFG 332

MFG 333	Strength of Materials	2	x			x			MATH 134 & PHYS 235	MFG 333L
MFG 333L	Strength of Materials Lab	1	x			x				MFG 333
MFG 432	Flexible Manufacturing Systems	1							MFG 331	MFG 432L
MFG 432L	Flexible Manufacturing Systems	2								MFG 432
MFG 433	Manufacturing Technology Problems	1	x			x			SR LEV & consent of Instr	MFG 433L
MFG 433L	Manufacturing Technology Problems Lab	2			x			x		MFG 433

## DEPARTMENT OF MATHEMATICS

As one of the largest instructional units in the University, the Department of Mathematics offers courses in Mathematics (MATH), the Bachelor of Science (B.S.) Degree in Mathematics and a minor in Mathematics for students majoring in other academic disciplines at the University. The Department provides major support to the overall undergraduate curriculum at Texas Southern University since every undergraduate degree or program of study requires the completion of at least three semester credit hours in Mathematics for graduation. Instructional facilities and the Department Office (Room 111K) are located on the first floor of the Science Building. Faculty members are housed on the first floor of the Science Building.

The mission of the Department of Mathematics is to make all students who matriculate through Texas Southern University aware of the role that Mathematics plays in the modern world and to allow them to develop sufficient skills in utilizing the processes and techniques of Mathematics to pursue their chosen fields of study, as well as to deal with mathematical processes on a daily basis. In the realization of this mission, students are prepared for a variety of careers, for negotiating the rigors of various curricula of study that are heavily dependent upon the understanding of mathematical processes, and for graduate study and research.

The goals of the Mathematics program are the following:

- The graduate will have developed learning skills and acquired a firm foundation of knowledge of fundamental mathematical concepts, methods, reasoning and language sufficient to support further academic work or a career in area that requires mathematical understanding.
- The graduate will exhibit understanding of advanced mathematical concepts and analytical skills, and also utilize appropriate technology to develop models for solving problems and analyzing new situations, both in mathematics and in areas that use mathematics.

The Mathematics program Student Learning Outcomes are to:

- Exhibit understanding of advanced mathematical concepts and analytical skills.
- Master the essentials of calculus sufficiently to apply those skills in more advanced mathematics classes.
- Use mathematical modeling to solve problems from fields such as natural sciences, social sciences, business and engineering.
- Apply knowledge relating to set theory, functions, and equivalence relation to advanced mathematics courses.
- Write mathematical proofs when required in upper level and advanced mathematics courses.
- Understand the concepts of random variable, distribution functions, and theoretical versus, simulated probability and apply them to real world situations.

Students wishing to pursue the B.S. Degree in Mathematics are required to declare a minor or a major in a second academic discipline. **All courses completed that are designated for the minor selected must be completed with grades of “C” or better, where grades of “C-” are unacceptable.** In selecting a minor, majors should seek detailed advisement from their designated advisors because the selection of a minor having representative courses in the core curriculum of study could impact the total number of credits required. **In no case will students qualify for graduation at the undergraduate level with fewer than 121 semester credit hours satisfactorily completed.**

Requirements for both the B.S. in Mathematics and the minor in Mathematics are summarized below. **As is the case for courses designated in the minor in other disciplines selected by students pursuing the B.S. in Mathematics, grades of “C” or better, where grades of “C-” are unacceptable, are required in all Mathematics courses designated for the B.S. in Mathematics or major.** This is also the case for students in other disciplines seeking the minor in Mathematics. Students wishing to pursue either a major (B.S.) or minor in Mathematics must first be admitted to the University, must satisfy TSI Assessment requirements, must eradicate deficiencies assessed at the time of admission through the University Testing Center, and must petition the Department for admission as TSI Assessment requirements or equivalent are completed. Once admitted to the Department, students are assigned an official advisor who must be consulted on a semester or term basis for schedule approval and status verification for progress toward graduation. **An exit examination is required of all graduating seniors pursuing the B.S. in Mathematics. In summary, students must first gain admission to the University; must meet their TSI Assessment or equivalent responsibility; and must petition the Department for admission as TSI Assessment requirements are met.**

Individuals interested in seeking certification for teaching Mathematics in the public schools of Texas should contact the Teacher Certification Officer in the College of Education at Texas Southern University for application instructions. Mathematics courses used in the certification process must be approved through the Department.

For the minor in Mathematics, 24 semester credit hours are required through enrollment in the following courses: MATH 241 (4 credits); MATH 242 (4 credits); MATH 243 (4 credits); MATH 250 (3 credits); MATH 331 (3 credits); either MATH 251 (3 credits) or MATH 439 (3 credits); and one additional 300-Level or 400-Level Math course. The minimum grade requirement for each of these courses is referenced above.

**LISTING OF FACULTY IN THE DEPARTMENT**

<p><b>Crockett, Cher</b>  <b>Visiting Instructor</b>                      B.S., Southern University M.S., Southern University Ph.D., Southern university</p>	<p><b>Kazakos, Demetrios</b>  <b>Professor</b>                      Diploma, Technical Univ. of Greece                      M.A. Princeton University Ph.D., University of South California</p>	<p><b>Williams, Jahmario</b>  <b>Assistant Professor</b>                      B.S., University of Mississippi                      M.S. Mississippi State University                      Ph.D., Mississippi State University</p>
<p><b>Ekwo, Maurice</b>  <b>Visiting Professor</b>                      B.S., Texas Southern University                      M.S. Stephen F. Austin State University                      Ph.D., Oklahoma State University</p>	<p><b>Nehs, Robert M.</b>  <b>Associate Professor</b>                      B.S., Marquette University                      M.S., Rice University                      Ph.D., University of Houston</p>	<p><b>Wu, Tong</b>  <b>Instructor</b>                      B.S., Harbin Science &amp; Tech. University                      M.S., Harbin Institute of Tech.                      M.S., Texas Southern University</p>
<p><b>Evans, Joan</b>  <b>Instructor</b>                      B.S., Texas Southern University M.S., Texas Southern University                      Ed.D., Texas Southern University</p>	<p><b>Obot, Victor</b>  <b>Professor</b>                      B.S., Eastern Mennonite College                      M.S., Wright State University                      Ph.D., University of Tulsa</p>	
<p><b>Griesinger, Nancy</b>  <b>Associate Professor</b>                      B.S. in Math, University of South Carolina                      B.S. in Stat, University of South Carolina                      Ph.D., Rice University</p>	<p><b>Saydam, Azime Serpil</b>  <b>Associate Professor</b>                      B.S., Ege University                      M.S., University of Nebraska-Lincoln                      Ph.D., University of Nebraska-Lincoln</p>	
<p><b>Guo, Jing-Shan</b>  <b>Visiting Instructor</b>                      B.S., Shanghai Teacher's University                      M.S., Texas Southern University</p>	<p><b>Taylor, Willie E.</b>  <b>Professor</b>                      B.S., Prairie View A&amp;M                      M.S., Prairie View A&amp;M University                      Ph.D., University of Houston</p>	
<p><b>Holmes, Roderick</b>  <b>Assistant Professor</b>                      B.S., Texas Southern University                      M.S., Texas Southern University                      Ph.D., University of Houston</p>	<p><b>Travare, Papa</b>  <b>Visiting Instructor</b>                      B.A., Texas Southern University M.S., Texas Southern University</p>	
<p><b>Jegdic, Ilija</b>  <b>Assistant Professor</b>                      B.S., University of Novi Sad                      M.S., University of Houston                      Ph.D., University of Houston</p>	<p><b>Wang, Yunjiao</b>  <b>Assistant Professor</b>                      B.S., Zhejiang Normal University                      M.S., Zhejiang Normal University                      Ph.D., University of Houston</p>	





<b>MATH 138</b>	<b>Mathematics and Business Economic Analysis II</b> Limits and continuity, derivatives, graphing and optimization, exponential and logarithmic functions, antiderivatives, integration, applications to management, economics, and business. Formerly known as MATH 135. Prerequisite: MATH 133, MATH 135, MATH 137 or by department consent. (The content level of MATH 138 is expected to be below the content level of Calculus I, MATH 241.) <b>Listed as MATH 1325 in the Texas Common Course Numbering System.</b>	<b>(3)</b>
<b>MATH 231</b>	<b>Elementary Statistics</b> Basic statistics topics presented for students planning to work in health-related fields. Three hours of lecture per week. Prerequisite: MATH 133, MATH 135 or by department consent. <b>Listed as MATH 1342 in the Texas Common Course Numbering System.</b>	<b>(3)</b>
<b>MATH 235</b>	<b>Structure and Application of the Number System</b> Sets, functions, logic, numeration theory, advanced definition perspectives, arithmetic operations (properties and algorithms), rational numbers, system of real numbers, and mathematical applications. Problem solving emphasized. Three hours of lecture per week. Prerequisite: MATH 133.	<b>(3)</b>
<b>MATH 236</b>	<b>Foundations of Geometry, Statistics, and Probability</b> Basic concepts and methods of probability, statistics, and geometry, including discrete probability, random events, and conditional probability. Analysis of data, informational display, measurement, and geometry (as approached through similarity and congruence, coordinates, and transformations). Problem solving is emphasized. Three hours of lecture per week. Prerequisite: MATH 235.	<b>(3)</b>
<b>MATH 241</b>	<b>Calculus and Analytic Geometry I</b> Inequalities, functions, graphs, straight lines, linear equations, limits, continuity, differentiation, maximum-minimum problems, mean value theorem, related rates, and indefinite integrals. Four hours of lecture per week. Prerequisites: MATH 133 and MATH 134 or MATH 136 or departmental consent. <b>Listed as MATH 2413 in the Texas Common Course Numbering System.</b>	<b>(4)</b>
<b>MATH 242</b>	<b>Calculus and Analytic Geometry II</b> Definite and indefinite integrals, techniques of integration, transcendental functions, and applications of the definite integral. Four hours of lecture per week. Prerequisite: MATH 241. <b>Listed as MATH 2414 in the Texas Common Course Numbering System.</b>	<b>(4)</b>
<b>MATH 243</b>	<b>Calculus and Analytic Geometry III</b> Sequences, infinite series, conic sections, polar coordinates, two-dimensional and three-dimensional vectors, parametric equations, partial differentiation, and multiple integrals. Four hours of lecture per week. Prerequisite: MATH 242.	<b>(4)</b>
<b>MATH 250</b>	<b>Linear Algebra</b> A first course in linear algebra designed to provide a minimal foundation in matrix theory, vector spaces, determinants, and linear transformations. Three hours of lecture per week. Prerequisite: MATH 241.	<b>(3)</b>
<b>MATH 251</b>	<b>Differential Equations</b> Important methods of solution of ordinary differential equations of the first order and of higher orders with applications to engineering and sciences geometry and physics. Three hours of lecture per week. Prerequisites: MATH 242 and MATH 243. (MATH 243 may be taken concurrently.)	<b>(3)</b>
<b>MATH 331</b>	<b>Foundations of Mathematics Logic, Sets, and Functions</b> Transitional mathematics course toward the study of advanced mathematics. Various topics in the foundations of mathematics discussed. Three hours of lecture per week. Prerequisite: MATH 241.	<b>(3)</b>
<b>MATH 335</b>	<b>Foundations of Geometry</b> Logic and postulates relating to geometries. Modern plane geometry as developed from Euclidean	<b>(3)</b>





**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE  
IN MATHEMATICS  
TOTAL CREDITS REQUIRED: 120**

CORE CURRICULUM (STANDARD)*	TCCNS	MAJOR (MATHEMATICS)	OTHER REQUIREMENTS	MINOR/SECOND MAJOR REQUIREMENTS
42 credits	EQUIVALENT	39 credits	19 credits	21 credits
<b><u>Communication:</u></b>		MATH 242 (4)	CS 117 (3)	
ENG 131 (3) **	ENGL 1301	MATH 243 (4)	PHYS 217 (1)	
ENG 132 (3)	ENGL 1302	MATH 250 (3)	PHYS 251 (3)	
<b><u>Mathematics:</u></b>		MATH 251 (3)	PHYS 218(1)	
MATH 241 (4)	MATH 2413	MATH 331 (3)	PHYS 252 (3)	
<b><u>Life and physical sciences:</u></b>		MATH 336 (3)	FS 102 (1)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	MATH 439 (3)	Foreign Language or CS Electives (6)	
CHEM 132 or GEOL 141 (3)	CHEM 1312 or GEOL 1303	MATH 473 (3)		
<b><u>Language, philosophy, and culture:</u></b>		MATH 498 (3)		
ENG 2xx (3) ***		Math Electives		
<b><u>Creative arts:</u></b>		MATH 3xx or 4xx (3)		
MUSI xxx, ART xxx or THEA xxx (3)****		MATH 3xx or 4xx (3)		
<b><u>American history:</u></b>		MATH 3xx or 4xx (3)		
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<b><u>Government/political science:</u></b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b><u>Social and behavioral sciences:</u></b>				
PSY xxx, SOC xxx or ECON xxx (3)*****				
<b><u>Institutional Options:</u></b>				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* MATH 241 will be used to satisfy the mathematics core requirement for mathematics majors only.

\*\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, or ENGL 2326)

\*\*\*\*\* MUSI 136, MUSI 239, THEA 130, ART 135, ART 137 (TCCN: MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323).

\*\*\*\*\* PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231 or ECON 232 (TCCN: PSYC 2301, SOC 1301, SOC 1306, SOC 2306, ANTH 2346, ECON 2301 or ECON 2302)

^ Math Electives may be selected from MATH 332, MATH 335, MATH 345, MATH 376, MATH 430, MATH 431, MATH 460, MATH 461, MATH 462, MATH 463, MATH 464, MATH

465, MATH 471, MATH 474, MATH 475, MATH 476, MATH 490, or MATH 499.

Note: Students interested in receiving a Bachelor of Science Degree in Math and in teaching mathematics grades 8-12 may substitute courses required by the College of Education for educator preparation and certification in place of "MINOR REQUIREMENTS." These courses include: EDCI 310, EDCI 328, EDCI 339, EDCI 350, EDCI 464, Reading 400 and Reading 402. Students interested in teaching may also take PHYS 213, 237, and PHYS 214, 238 in lieu of PHYS 217, 251 and PHYS 218, 252.

**BACHELOR OF SCIENCE DEGREE IN MATHEMATICS**  
**DEGREE PLAN – TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131* Freshman English I	3	ENG 132 Freshman English II	3
	MATH 241 ** Calculus & Analytic Geometry I	4	MATH 242 Calculus & Analytic Geometry II	4
	CHEM 131 General Chemistry & Lab I or BIOL 143 Survey of Life Science	3	CHEM 132 General Chemistry & Lab II or GEOL 141 Introduction to the Earth	3
	SC 135 or 136 Business & Professional Communication or Public Address	3	Social and Behavioral Science ***	3
	FS 102	1	Creative Arts****	3
		<b>14 Hrs</b>		<b>16 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2XX Any 200 Level ENG may be selected	3	MATH 250 Linear Algebra	3
	MATH 243 Calculus & Analytic Geometry III	4	Course in Minor/ Second Major Field	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	POLS 235 American Political Systems I	3	POLS 236 American Political Systems II	3
	CS 116 Computer Science I	3	CS 117 Computer Science II	3
		<b>16 Hrs</b>		<b>15 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MATH 251 Differential Equations	3	MATH 336 Introduction to Abstract Algebra	3
	MATH 331 Foundations of Mathematics	3	MATH 439 Introduction to Analysis	3
	Foreign Language or CS Elective	3	Foreign Language or CS Elective	3
	PHYS 217 University Physics I Lab	1	PHYS 218 University Physics II Lab	1
	PHYS 251 University Physics I	3	PHYS 252 University Physics II	3
	Course in Minor/ Second Major Field	3	Course in Minor/ Second Major Field	3
	<b>16 Hrs</b>		<b>16 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MATH 473 Probability and Statistics I	3	MATH 498 Capstone Course	3
	MATH Elective ^ ( MATH 3XX or MATH 4XX )	3	MATH Elective ^ ( MATH 3XX or MATH 4XX )	3
	MATH Elective ^ ( MATH 3XX or MATH 4XX )	3	Course in Minor/ Second Major Field	3
	Course in Minor/ Second Major Field	3	Course in Minor/ Second Major Field	3
	Course in Minor/ Second Major Field	3		
	<b>15 Hrs</b>		<b>12 Hrs</b>	

\* Pending acceptable scores on English and Math Placement Exams.

\*\* MATH 241 will be used to satisfy the mathematics core requirement for mathematics majors only.

\*\*\* PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231 or ECON 232

\*\*\*\* MUSI 136, MUSI 239, THEA 130, ART 135, ART 137

^ Math Electives may be selected from MATH 332, MATH 335, MATH 345, MATH 376, MATH 430, MATH 431, MATH 460, MATH 461, MATH 462, MATH 463,

MATH 464, MATH 465, MATH 471, MATH 474, MATH 475, MATH 476, MATH 490, or MATH 499.

Note: Students interested in receiving a Bachelor of Science Degree in Math and in teaching mathematics grades 8-12 may substitute courses required by the College of Education for educator preparation and certification in place of "MINOR REQUIREMENTS." These courses include: EDCI 310, EDCI 328, EDCI 339, EDCI 350, EDCI 464, Reading 400 and Reading 402. Students interested in teaching may also take PHYS 213, 237, and PHYS 214, 238 in lieu of PHYS 217, 251 and PHYS 218, 252.

## TWO YEAR COURSE ROTATION SCHEDULE

X indicates when a course shall be offered

COURSE NUMBER	COURSE NAME	SCH	Fall Even Year	Spring Odd Year	Sum Odd Year	Fall Odd Year	Spring Even Year	Sum Even Year	PREREQUISITES	CO-REQUISITE
MATH 132	Contemporary Mathematics I	3	x			x			MATH 131 or a passing score on the mathematics portion of the TSI Assessment	
MATH 133	College Algebra	3	x	x	x	x	x	x	MATH 131 or a passing score on the mathematics portion of the TSI Assessment	
MATH 134	Plane Trigonometry	3	x	x	x	x	x	x	MATH 133	
MATH 135	Mathematics and Business Economic Analysis I	3	x	x	x	x	x	x	MATH 131 or a passing score on the mathematics portion of the TSI Assessment	
MATH 136	Pre-Calculus Math	3	x	x	x	x	x	x	MATH 133 or consent of the Department	
MATH 137	Contemporary Mathematics II	3		x			x		MATH 132, MATH 133 or by department consent	
MATH 138	Mathematics and Business Economic Analysis II	3	x	x	x	x	x	x	MATH 133, MATH 135, MATH 137 or by department consent	
MATH 231	Elementary Statistics	3	x	x	x	x	x	x	MATH 133, MATH 135 or by department consent	
MATH 235	Structure & Appl. Of the Number Systems	3	x	x		x	x	x	MATH 133	
MATH 236	Foundations of Geometry, Stats. And Probability	3	x	x		x	x	x	MATH 235	
MATH 241	Calculus I	4	x	x	x	x	x	x	MATH 133 and MATH 134 or MATH 136 or departmental consent	
MATH 242	Calculus II	4	x	x	x	x	x	x	MATH 241	
MATH 243	Calculus III	4	x	x		x	x		MATH 242	

MATH 250	Linear Algebra	3	x	x		x	x		MATH 241	
MATH 251	Differential Equations	3	x	x		x	x		MATH 242 and MATH 243	MATH 243
MATH 331	Foundations of Mathematics	3	x			x			MATH 241	
MATH 335	Foundations of Geometry	3							MATH 241	
MATH 336	Introduction to Abstract Algebra	3		x			x		MATH 243 and MATH 331	
MATH 345	Applied Mathematics and Statistics for Technology	3	x	x		x	x		MATH 242	
MATH 376	Applied Mathematical Analysis	3							MATH 243	
MATH 439	Introduction to Analysis	3		x			x		MATH 243 and MATH 331	
MATH 460	Introduction to the Complex Analysis	3							MATH 243 and MATH 331	
MATH 462	Introduction to Topology	3							MATH 243 and MATH 331	
MATH 471	Topics In Math. I	3							Consent of the instructor	
MATH 473	Prob. & Stat. I	3	x			x			MATH 242	
MATH 474	Prob. & Stat. II	3							MATH 473	
MATH 475	Abstract Algebra	3							MATH 336 or consent of the instructor	
MATH 490	Independent Study: Undergraduate	3							Senior standing and consent of the instructor.	
MATH 499	Seminar	3							Consent of the instructor.	



## DEPARTMENT OF PHYSICS

As the Texas top ranked program in undergraduate Physics degrees awarded to African-Americans, the Department of Physics in the College of Science, Engineering and Technology, offers the Bachelor of Science (B.S.) Degree in Physics in two concentrations: (1) Engineering Physics and (2) Premedical Physics. Both of these concentrations require 42 credit hours in core classes, 40 credit hours in foundational mathematics and physics classes including two Advanced Physics Elective courses. In addition, the Engineering Physics concentration collectively requires up to 17 credit hours in Engineering and Computer Science Elective classes, respectively while the Premedical Physics concentration requires 31 credit hours in Chemistry, Biology and Psychology.

Of note, the B.S. Degree in Physics is offered through the Texas Physics Consortium (TPC), administered by the Texas A&M University System, under a mutual agreement among several other Physics programs within Texas. This unique program offers a Diploma that bears the seal of the Texas A&M University System, in addition to the seal of Texas Southern University, and the other participating campuses that comprise TPC: Prairie View A&M University, Tarleton State University, Texas A & M Kingsville, Texas A & M Corpus Christi, Midwestern State University, and West Texas A& M University. TSU Physics students benefit from the diverse collective expertise of faculty at these institutions through synchronous on-line Physics classes for junior and senior students.

The goal of the undergraduate Physics program is to help students develop learning skills, problem solving techniques and professional ethics and attitudes that will support their further academic work or future employment in their technical or biomedical career of choice, through the study of physics. Of note, students interested in pharmacy would also benefit greatly in the physics premed concentration. It's not just rocket science: physics is the route to so many careers, from predicting climate change to designing computer games. Find out where physics can take you. It is no coincidence that physics graduates earn the highest scores in professional admission tests such as the MCAT, LSAT or PE. Hence, the graduate with a Physics degree will exhibit understanding of advanced physical concepts, mathematical and analytical skills, and also utilize technology to develop models for solving problems and analyzing new situations.

The Department of Physics is located on the second floor of the Leonard H. O. Spearman Technology Building and has significant resources on site to assist students and ensure their success. Besides teaching Physics laboratories, the faculty in the Department of Physics conducts research and manages well-equipped Radiation Health Physics, Radio Astronomy, High Performance Computing, and Mathematical Physics laboratories. Physics tutoring and MCAT preparation workshops are routinely offered in a dedicated room.

Students wishing to pursue the B.S. degree in Physics are required to contact the Department of Physics about their intentions and declare a minor or a major in a second academic discipline. All courses completed that are designated for the minor selected must be completed with grades of "C" or better, where grades of "C-" are unacceptable. This grade requirement is more stringent for students interested in teaching physics. The same rule applies to students in other disciplines seeking the minor in Physics. Students wishing to pursue either a major (B.S.) or minor in Physics must first be admitted to the University, must satisfy TSI Assessment requirements, must eradicate deficiencies assessed at the time of admission through the University Testing Center, and must petition the Department for admission as TSI Assessment requirements or equivalent are completed. Once admitted to the program, students are assigned an official faculty advisor who must be consulted on a semester basis for schedule approval and status verification for progress toward graduation. An exit examination is required of all graduating seniors pursuing the B.S. in Physics.

The Department of Physics at TSU has also offered a dedicated health physics program funded by the U.S. Nuclear Regulatory Commission. This program originally began in the fall of 2008 and was the only undergraduate health physics/radiation physics program in Houston. In addition to radiation physics theory and safety fundamentals, students learned basic, technical experiments in the health physics laboratory that are usually designed for first or second year graduate students. The health physics course sequence coupled with the degree plan is being updated and will include: Introduction to Atomic and Radiation Physics (PHYS 361); Environmental Radioactivity Seminar (PHYS 365); Radiation Detection I (PHYS 374); Radiation Detection II

(PHYS 475); Radiation Protection and Dosimetry I (PHYS 477). Of note, these primary health physics courses have a companion online course at the 400-level. See the course catalog for details.

The Department of Physics strongly encourages students to seek certification for Teaching Physics or Sciences in the public schools of Texas. The Teacher Certification Officer in the College of Education along with a TSU physics faculty member can further guide and advise students wishing to pursue this opportunity.

The minor in Physics requires 19 semester credit hours for the following courses:

- University Physics I (PHYS 251) and University Physics I Laboratory (PHYS 217)
- University Physics II (PHYS 252) and University Physics II Laboratory (PHYS 218)
- Modern Physics (PHYS 332)
- Electricity and Magnetism (PHYS 333) OR Thermodynamics and Statistical Physics (PHYS 336)
- Mechanics (PHYS 341)
- Physics Senior Thesis I and II sequence (PHYS 415 and PHYS 416) OR any 400-Level Physics course

<b>Listing of Faculty in the Department</b>	
<p><b>Handy, Carlos R.</b>  <b>Professor</b>                      B.A., Columbia College                      M.A., Columbia University                      M.Ph., Columbia University                      Ph.D., Columbia University</p>	<p><b>Perotti, Luca</b>  <b>Visiting Professor</b>                      Laurea, Universita' degli Studi di Milano                      M.S., University of Pittsburgh                      Ph.D., University of Pittsburgh</p>
<p><b>Vrinceanu, Daniel</b>  <b>Associate Professor</b>                      B.S., University of Bucharest, Romania                      Ph.D., Georgia Institute of Technology</p>	<p><b>Harvey, Mark C.</b>  <b>Associate Professor</b>                      B.S., Virginia State University                      M.S., Hampton University                      Ph.D., Hampton University</p>
<p><b>Migenes, Victor</b>  <b>Professor &amp; Interim Chair</b>                      B.S., University of Puerto Rico, Rio Piedras Campus                      M.S. University of Pennsylvania                      Ph.D. University of Pennsylvania</p>	

## PHYSICS COURSE INVENTORY

<b>PHYS 101</b>	<b>Principles of Physical Science</b> (3) Survey of the physical sciences for non-science majors including introductory physics, astronomy, chemistry, geology, atmospheric and environmental sciences. Demonstrated math proficiency in basic algebra and geometry required. Three hours of lecture and demonstrations per week.
<b>PHYS 116</b>	<b>Pre-University Physics Laboratory</b> (1) Laboratory, Demonstration, and Recitation course in support of PHYS 152. One two hour session per week.
<b>PHYS 152</b>	<b>Pre-University Physics</b> (3) Introduction to the advanced mathematics required for University Physics I (PHYS 251), emphasizing the geometrical, analytical, and computational understanding of differential and integral calculus, vectors, algebraic and computational software. The advanced mathematics is taught from the perspective of physics, emphasizing an intuitive understanding of the integration of physics and mathematics. Three hours of lecture and demonstrations.
<b>PHYS 205</b>	<b>Physics of Music</b> (4) Overview of physics principles impacting the acoustics of musical instruments and the human voice. For non-science majors. Three hours of lecture and one hour demonstration, per week.
<b>PHYS 213</b>	<b>College Physics Laboratory I</b> (1) Laboratory, Demonstration, and Recitation course in support of PHYS 237. One two hour session per week.
<b>PHYS 214</b>	<b>College Physics Laboratory II</b> (1) Laboratory, Demonstration, and Recitation course in support of PHYS 238. One two hour session per week.
<b>PHYS 217</b>	<b>University Physics Laboratory I</b> (1) Laboratory, Demonstration, and Recitation course in support of PHYS 251. One two hour session per week.
<b>PHYS 218</b>	<b>University Physics Laboratory II</b> (1) Laboratory, Demonstration, and Recitation course in support of PHYS 252. One two hour session per week.
<b>PHYS 237</b>	<b>College Physics I</b> (3) Non-calculus based introductory physics course designed for pharmacy students (lab suggested, although not necessarily concurrently), life sciences and chemistry students, and (non-calculus oriented) engineering students: Newton's laws of mechanics, fluids, waves, and thermodynamics. Demonstrated mastery of basic algebra, geometry, trigonometry, and pre-calculus will be assessed during the first week to determine if the student will be required to pursue mandatory concurrent remediation sessions. A sample of test related problems can be found at <a href="http://physics.tsu.edu">http://physics.tsu.edu</a> . Three lecture and demonstration hours per week. It is recommended, but not required, that students take the accompanying lab (although not necessarily concurrently): PHYS 213.

<b>PHYS 238</b>	<b>College Physics II</b> Non-calculus based introductory physics course studying the laws of electricity and magnetism, electrical circuits, optics, and modern physics. Three lecture and demonstration hours per week. It is strongly advised that student take PHYS 237 before this course and take the corresponding lab: PHYS 214 (although not necessarily concurrently).	<b>(3)</b>
<b>PHYS 247</b>	<b>Fundamentals of Scientific Programming</b> Introduction to scientific programming languages such as Fortran 90, C, C++, Mathematica, etc. Three hours of lecture and demonstrations per week including computational laboratory. Prerequisites: PHYS 116 and PHYS 152, PHYS 251, or MATH 241.	<b>(3)</b>
<b>PHYS 251</b>	<b>University Physics I</b> Calculus based, introduction to Newtonian physics impacting mechanics, fluids, waves, thermodynamics. Strong competency in calculus required as measured by department's online guide. Math assessment during first week will determine if student must participate in mandatory remediation sessions. Chair's approval required. Three lecture and demonstration hours per week. The corresponding laboratory, PHYS 217 is strongly recommended.	<b>(3)</b>
<b>PHYS 252</b>	<b>University Physics II</b> Calculus based introductory physics course: electricity and magnetism, electrical circuits, optics, and modern physics. Three lecture and demonstration hours per week. Prerequisites: PHYS 251. The corresponding laboratory, PHYS 218 is strongly recommended.	<b>(3)</b>
<b>PHYS 332</b>	<b>Introduction to Modern Physics</b> Topics in modern physics, including special theory of relativity, introduction to quantum physics, and applications to atomic and nuclear structure. Three hours of lecture per week. Prerequisite: PHYS 252.	<b>(3)</b>
<b>PHYS 333</b>	<b>Electricity and Magnetism I</b> Maxwell's equations and their impact on electrostatics and magnetostatics, including dielectric and magnetic phenomena. Three lecture hours per week. Prerequisites: PHYS 252 and PHYS 338.	<b>(3)</b>
<b>PHYS 334</b>	<b>Electricity and Magnetism II</b> Continuation of PHYS 333 focusing on the full set of Maxwell's equations and their consequences for electromagnetic radiation processes and their interaction with matter. Prerequisite: PHYS 333.	<b>(3)</b>
<b>PHYS 336</b>	<b>Thermodynamics and Statistical Physics</b> Study of the laws of thermodynamics, Carnot engines, etc., and their statistical physics formulations. Three lecture hours per week. Prerequisite: PHYS 252.	<b>(3)</b>
<b>PHYS 338</b>	<b>Mathematical Methods I</b> Basic concepts in multidimensional calculus, vector calculus, linear algebra, Fourier series, differential equations, transform methods, and numerical methods. Three lecture and demonstration hours per week. Prerequisites: PHYS 251 and MATH 241.	<b>(3)</b>
<b>PHYS 339</b>	<b>Mathematical Methods II</b> Basic methods in partial differential equations, complex analysis, variational calculus, numerical analysis, etc. Three hours of lecture and demonstrations per week. Prerequisites: PHYS 252, PHYS 338, and MATH 242.	<b>(3)</b>
<b>PHYS 340</b>	<b>Computational Physics I (Online)</b> Introduction to basic computational methods in physics, including algebraic software. Three lecture and demonstration hours per week. Prerequisites: PHYS 247, PHYS 252, PHYS 338, and MATH 242.	<b>(3)</b>



<b>PHYS 433</b>	<b>Quantum Mechanics II</b>	<b>(3)</b>
	Continuation of PHYS 353 emphasizing the time dependent features of the Schrodinger representation: time dependent perturbation theory, Heisenberg representations, etc. Three hour lecture per week.	
<b>PHYS 437</b>	<b>Nuclear Physics I</b>	<b>(4)</b>
	Study of radioactivity decay law, radioactive dating, nuclear radiation detection, alpha-beta-gamma decay, etc. Three lecture hours and One demonstration hour per week. Prerequisites: PHYS 332 and PHYS 432.	
<b>PHYS 451</b>	<b>Computational Physics II</b>	<b>(3)</b>
	Introduction to advanced (parallel) computer methods for many body physics, quantum chemistry, nanophysics, and materials science problems. Three lecture hours per week.	
<b>PHYS 467</b>	<b>Nuclear Physics II</b>	<b>(2)</b>
	Continuation of PHYS 437, with emphasis on the nuclear reactions, neutron physics, and applications of nuclear physics. Two lecture hours per week. Prerequisites: PHYS 432 and PHYS 437.	
<b>PHYS 471</b>	<b>Intermediate Nuclear Physics Laboratory</b>	<b>(1)</b>
	Health physics applications and spectroscopy. Three hour session per week. Co-requisite: PHYS 475.	
<b>PHYS 472</b>	<b>Nuclear Electronics Laboratory</b>	<b>(1)</b>
	Study of pulse processing and shaping, linear and logic pulse functions, multichannel pulse analysis and the NIM and CAMAC Instrumentation Standards. Three hour session per week alternating between lecture and lab format. Prerequisites: PHYS 471 and PHYS 475.	
<b>PHYS 475</b>	<b>Radiation Detection II</b>	<b>(4)</b>
	Theory, instrumentation, and experiments for gamma-radiation measurement & detection using scintillators, photomultiplier tubes, photodiodes and detector shielding. Also, theoretical and experimental study of nuclear electronics consistent with the NIM standard and associated digital principles and logic along with pulse processing, oscilloscope, etc. Four hours lecture-lab per week. Prerequisites: PHYS 374 and PHYS 437.	
<b>PHYS 477</b>	<b>Radiation Protection and Dosimetry I</b>	<b>(4)</b>
	Radiation biology, dosimetry, radiation sources and exposure protection, environmental monitoring & instrumentation, standards and regulations. Three lecture hours per week. Prerequisite: PHYS 361, PHYS 365.	
<b>PHYS 478</b>	<b>Radiation Protection and Dosimetry II</b>	<b>(4)</b>
	Continuation of PHYS 477 focusing on radiation protection, practice, environmental monitoring and specialty health physics areas. Four lecture hours per week. Prerequisite: PHYS 477.	
<b>PHYS 483</b>	<b>Independent Study (Online)</b>	<b>(1-4)</b>
	Detailed study of an advanced topic in physics under the guidance of an instructor. Departmental permission required. May be enrolled for up to 4 semester credit hours. Prerequisites: Senior standing and consent of the chair	
<b>PHYS 484</b>	<b>Topics in Physics (Online)</b>	<b>(3)</b>
	Different advanced topics offered, depending on faculty/student interests in all branches of physics: particle physics, astrophysics, space physics, quantum computing, etc. May be repeated for credit as topics vary. Three hours per week. Prerequisites: Senior standing and consent of the chair.	
<b>PHYS 485</b>	<b>Professional Development (Online) Course: Basic Concepts of Atomic and Radiation Physics I</b>	<b>(1)</b>
	Introduction to atomic and nuclear structure, radiation, radioactive decay, charged particle and photon interactions in matter and radiation protection. For professionals with advanced math competency. Three lecture hours per week. Prerequisites: PHYS 252 and PHYS 332.	



**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE IN PHYSICS**  
**ENGINEERING-PHYSICS CONCENTRATION**  
**TOTAL CREDITS REQUIRED:120**

CORE CURRICULUM (STANDARD)		MAJOR (PHYSICS)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		40 credits	38 credits	0 credits
<b>Communication:</b>		PHYS 152 (3)	MATH 241 (4)	
ENG 131 (3)	ENGL 1301	PHYS 217 (1)	MATH 242 (4)	
ENG 132 (3)	ENGL 1302	PHYS 252 (3)	MATH 243 (4)	
<b>Mathematics:</b>		PHYS 218 (1)	MATH 250 (3)	
MATH 136 (3)	MATH 2312	PHYS 332 (3)	MATH 251 (3)	
<b>Life and physical sciences:</b>		PHYS 333 (3)	FS 102 (1)	
CHEM 131 (3)	CHEM 1311	PHYS 336 (3)	CHEM 111 (1)	
PHYS 251 (3)	PHYS 2325	PHYS 338 (3)	CHEM 112 (1)	
<b>Language, philosophy, and culture:</b>		PHYS 341 (3)	CS 120 (3)	
ENG 2xx (3)		PHYS 360 (3)	CS 124 (3)	
<b>Creative arts:</b>		PHYS 415 (1)	CS 241 (3)	
MUSI 136 (3) or ART 135 (3)	MUSI 1306 or ARTS 1301	PHYS 416 (1)		
<b>American history:</b>		PHYS 432 (3)	<b>Engineering Electives:</b> Select one group from the following Engineering courses	
HIST 231 (3)	HIST 1301	PHYS 437 (3)	<b>Group1:</b>	
HIST 232 (3)	HIST 1302	PHYS 483 (3)	ECE 131 (3)	
<b>Government/political science:</b>		PHYS 484 (3)	ECE 131L (1)	
POLS 235 (3)	GOVT 2305		ECE 231 (3)	
POLS 236 (3)	GOVT 2306		ECE 211 (1)	
<b>Social and behavioral sciences:</b>			<b>Group2:</b>	
ECON 231 (3) or SOC 157 or PSY 131	ECON 2301		CIVE 141 (3)	
<b>Institutional Options:</b>			CIVE 141L (1)	
SC 135 (3)	SPCH 1321		CIVE 224 (3)	
CHEM 132 (3)	CHEM 1312		CIVE 224L (1)	



**BACHELOR OF SCIENCE IN  
PHYSICS  
ENGINEERING-PHYSICS CONCENTRATION  
TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 - Freshman English I	3	ENG 132 - Freshman English II	3
	PHYS 152 - Pre-University Physics	3	PHYS 251 - University Physics I	3
	FS 102 - Freshmen Seminar	1	PHYS 217 - University Physics Lab I	1
	CHEM 131 - General Chemistry I	3	CHEM 132 - General Chemistry II	3
	CHEM 111 - General Chemistry Lab I	1	CHEM 112 - General Chemistry Lab II	1
	MATH 136 - Pre-Calculus	3	MATH 241 - Calculus I	4
		<b>14 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	HIST 231 - History of the United States to 1877	3	HIST 232 - History of the United States since 1877	3
	PHYS 252 - University Physics II	3	PHYS 332 - Modern Physics	3
	PHYS 218 - University Physics Lab II	1	CS 124 - Fund. of Mach. Comp.	3
	MATH 242 - Calculus II	4	MATH 243 - Calculus III	4
	POLS 235 - Political Science I	3	POLS 236 - Political Science II	3
	CS 120 - Intro to Comp. & Prob. Solving	3		
		<b>17 Hrs</b>		<b>16 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MATH 250 - Linear Algebra	3	MATH 251 - Differential Equations	3
	PHYS 336 - Thermodynamics & Stat.	3	PHYS 360 - Advanced Undergrad Lab	3
	PHYS 341 - Mechanics 1	3	SC 135 - Bus. and Prof. Communications	3
	*#1 - Engineering Elective 1	3	*#1 - Engineering Elective 2	3
	*#1 - LAB: Engineering Elective 1	1	*#1 - LAB: Engineering Elective 2	1
	CS 241 - Obj. Oriented Prog. Using C++	3	*ENG 2XX - Upper Level English	3
		<b>16 Hrs</b>		<b>16 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	PHYS 333 - Electricity and Magnetism	3	PHYS 338 - Math Methods I	3
	PHYS 415 - Senior Thesis I	1	PHYS 416 - Senior Thesis II	1
	PHYS 432 - Quantum Mechanics	3	PHYS 437 - Nuclear Physics	3
	PHYS 483 - Advanced Physics Elective	3	PHYS 484 - Topics in Physics	3
	*2 - Social Behavior Science Elective	3	MUSI 136/ ART 135 - Music Appreciation or Topics in Contemp. Art & Culture	3
		<b>13 Hrs</b>		<b>13 Hrs</b>

\*1 Engineering Elective 1 (ECE 131 (Lecture); ECE 131L (Lab), ECE 231 (Lecture); ECE 211 (Lecture))

Engineering Elective 2 (CIVE 141 (Lecture); CIVE 141L (Lab), CIVE 224 (Lecture); CIVE 224 (Lab))

\*2 Social and Behavioral Science elective; consult with advisor: PSY 131 or SOC 157 or ECON 231

\*ENG 2XX – African American Literature (ENG 244) or World Literature I or II (ENG 230 or ENG 231)

# Courses at the 400 and 500 level in advanced topics in astrophysics, atomic and molecular physics, computational physics and medical health/radiation physics may replace engineering electives with the approval of student's faculty advisor.

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE IN PHYSICS  
PREMEDICAL-PHYSICS CONCENTRATION\*  
TOTAL CREDITS REQUIRED:120**

CORE CURRICULUM (STANDARD)		MAJOR (PHYSICS)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		40 credits	38 credits	0 credits
<b>Communication:</b>		PHYS 152 (3)	MATH 241 (4)	
ENG 131 (3)	ENGL 1301	PHYS 217 (1)	MATH 242 (4)	
ENG 132 (3)	ENGL 1302	PHYS 252 (3)	MATH 243 (4)	
<b>Mathematics:</b>		PHYS 218 (1)	MATH 251 (3)	
MATH 136 (3)	MATH 2312	PHYS 332 (3)	FS 102 (1)	
<b>Life and physical sciences:</b>		PHYS 333 (3)	BIOL 131 (3)	
CHEM 131 (3)	CHEM 1311	PHYS 336 (3)	BIOL 111 (1)	
PHYS 251 (3)	PHYS 2325	PHYS 338 (3)	BIOL 132 (3)	
<b>Language, philosophy, and culture:</b>		PHYS 341 (3)	BIOL 112 (1)	
ENG 2xx (3) **		PHYS 360 (3)	CHEM 111 (1)	
<b>Creative arts:</b>		PHYS 415 (1)	CHEM 112 (1)	
MUSI 136 (3) or ART 135 (3)	MUSI 1306 or ARTS 1301	PHYS 416 (1)	CHEM 231 (3)	
<b>American history:</b>		PHYS 432 (3)	CHEM 211 (1)	
HIST 231 (3)	HIST 1301	PHYS 437 (3)	CHEM 232 (3)	
HIST 232 (3)	HIST 1302	PHYS 483 (3)	CHEM 212 (1)	
<b>Government/political science:</b>		PHYS 484 (3)	CHEM 343 (4)	
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
PSY 131 (3) or ECON 231 (3) or SOC 157 (3)	PSYC 2301 or ECON 2301 or SOCI 1301			
<b>Institutional Options:</b>				
SC 135 (3)	SPCH 1321			
CHEM 132 (3)	CHEM 1312			

\* It is recommended that the student consider the following courses to be better prepared for the MCAT exam: SOC 157, BIOL 135, BIOL 241, BIOL 338, MATH 231. Consult with advisor.

\*\*ENG 2XX – African American Literature (ENG 244) or World Literature I or II (ENG 230 or ENG 231)

**BACHELOR OF SCIENCE IN  
PHYSICS  
PREMEDICAL-PHYSICS CONCENTRATION\*  
TOTAL CREDITS: 120**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 - Freshman English I	3	ENG 132 - Freshman English II	3
	PHYS 152 - Pre-University Physics	3	PHYS 251 - University Physics I	3
	FS 102 - Freshmen Seminar	1	PHYS 217 - University Physics Lab I	1
	CHEM 131 - General Chemistry I	3	CHEM 132 - General Chemistry II	3
	CHEM 111 - General Chemistry Lab I	1	CHEM 112 - General Chemistry Lab II	1
	MATH 136 - Pre-Calculus	3	MATH 241 - Calculus I	4
		<b>14 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	HIST 231 - History of the United States to 1877	3	HIST 232 - History of the United States since 1877	3
	PHYS 252 - University Physics II	3	PHYS 332 - Modern Physics	3
	PHYS 218 - University Physics Lab II	1	MATH 243 - Calculus III	4
	MATH 242 - Calculus II	4	PSY 131 - General Psychology	3
	BIOL 131 - Biological Science I	3	BIOL 132 - Biological Science II	3
	BIOL 111 - Biological Science Laboratory I	1	BIOL 112 - Biological Science Laboratory II	1
		<b>15 Hrs</b>		<b>17 Hrs</b>

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	POLS 235 - Political Science I	3	POLS 236 - Political Science II	3
	PHYS 336 - Thermodynamics & Stat.	3	PHYS 360 - Advanced Undergrad Lab	3
	PHYS 341 - Mechanics 1	3	MATH 251 - Differential Equations	3
	**ENG 2XX - Upper Level English	3	SC 135 - Bus. and Prof. Communications	3
	CHEM 231 - Organic Chemistry I	3	CHEM 232 - Organic Chemistry II	3
	CHEM 211 - Organic Chemistry I Lab	1	CHEM 212 - Organic Chemistry II Lab	1
		<b>16 Hrs</b>		<b>16 Hrs</b>

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	PHYS 333 - Electricity and Magnetism	3	PHYS 338 - Math Methods I	3
	PHYS 415 - Senior Thesis I	1	PHYS 416 - Senior Thesis II	1
	PHYS 432 - Quantum Mechanics	3	PHYS 437 - Nuclear Physics	3
	PHYS 483 - Advanced Physics Elective	3	PHYS 484 - Topics in Physics	3
	CHEM 343 - Biochemistry	4	MUSI 136/ ART 135 - Music Appreciation or Topics in Contemp. Art & Culture	3
	<b>14 Hrs</b>		<b>13 Hrs</b>	

\* It is recommended that the student consider the following courses to be better prepared for the MCAT exam: SOC 157, BIOL 135, BIOL 241, BIOL 338, MATH 231. Consult with advisor.

\*\*ENG 2XX – African American Literature (ENG 244) or World Literature I or II (ENG 230 or ENG 231)

## DEPARTMENT OF TRANSPORTATION STUDIES

The Department of Transportation Studies offers courses in the academic discipline of **Maritime Transportation Management and Security (MTMS)**. Through curricular offerings provided, students are able to earn **the Bachelor of Science (B.S.) in Maritime Transportation Management and Security, and the Master of Science (M.S.) in Transportation Planning and Management**. **An undergraduate minor is offered in Maritime Transportation Management and Security for students majoring in other academic disciplines.** Members of the Department are housed in the College of Science and Technology.

**For detailed information on the Master of Science in Transportation Planning and Management, students should refer to the Graduate School Bulletin of Texas Southern University.**

The curriculum of study for the Bachelor of Science (B.S.) in **Maritime Transportation Management and Security** provides students with three concentrations: Logistics/Freight, Security, and Environment. A detailed listing of these requirements is given below. **Students selecting to pursue the B.S. in Maritime Transportation Management and Security are not required to declare a minor in another academic discipline. However, there is a degree plan for students who desire to choose a minor. Additionally, grades of "C" or better must be earned in all Maritime Transportation Management and Security courses required leading to completion of the degree. Grades of "C-" are unacceptable. Prior to graduation, majors must pass an exit examination during their senior year.**

The mission of the B.S. Program in **Maritime Transportation Management and Security** is fourfold:

- (1) to produce graduates for a variety of administrative and managerial positions in maritime transportation and port operations,
- (2) to produce graduates to function effectively in a number of diverse careers in three critical areas of maritime transportation: logistics, security, and environment,
- (3) to provide students with the academic background and preparation for pursuing advanced studies in the field of maritime transportation or affiliated areas,
- (4) to provide training programs and individual courses to individuals already in the maritime profession.

In the fulfillment of this mission, students selecting the Maritime Transportation Management and Security program as a major will be prepared for a number of career specialization options including but not limited to: Freight Logistics Specialist, Shipping Manager, Port Manager and Operator, Port Security Officer, Maritime Policy Maker, Maritime Transportation Planner, Environmental Compliance Coordinator/Specialist, and Emergency Response Specialist. To that end, graduates of the Maritime Transportation program will also be academically prepared for graduate studies in the discipline of maritime.

Students wishing to pursue the B.S. in **Maritime Transportation Management and Security** must first gain admission to the University, must satisfy ASSET requirements and eradicate identified deficiencies through the General University Academic Center (GUAC), must contact the Department Office while satisfying ASSET requirements for advisement, and must petition the Department for admission once ASSET requirements have been completed and deficiencies removed. **Students wishing to change their major to Maritime Transportation Management and Security must be in good academic standing (not on academic probation, academic monitoring or suspension).**

In addition to academic course work, a student pursuing the B.S. in **Maritime Transportation Management and Security** must undertake a three semester credit hour Practicum (Internship) (MTMS 495) to meet degree requirements and gain practical experience. For further information on internships, students should contact either the Internship Coordinator in the College of Science and Technology, the Office of the Dean of the College of Science and Technology, or the University Director of Cooperative Education in the Placement Center at the University.

**For the minor in Maritime Transportation Management and Security offered through the Department, students are required to complete 21 semester credit hours in the following courses:** MTMS 101 (3 credits), MTMS 202 (3 credits), MTMS 303 (3 credits), MTMS 321 (3 credits), MTMS 322 (3 credits), MTMS 341 (3 credits), MTMS 342 (3 credits), MTMS 361 (3 credits), MTMS 423 (3 credits), MTMS 424 (3 credits), MTMS 425 (3 credits), MTMS 443 (3 credits), MTMS 444 (3 credits), MTMS 445 (3 credits), MTMS 462 (3 credits), MTMS 463 (3 credits), MTMS 481 (3 credits), MTMS 482 (3 credits), MTMS 483 (3 credits), and MTMS 495 (3 credits).

**For additional information on the Bachelor of Science in Maritime Transportation Management and Security, students are asked to contact the Department Office at (713)-313-1841.**

## MARITIME TRANSPORTATION MANAGEMENT AND SECURITY

- MTMS 101**                      **Introduction to Maritime Transportation**                      **(3)**  
This course presents an introduction to the interdisciplinary study of maritime-related topics with an examination of the physical maritime environment and maritime cultures, history, and industries. Students enrolled in this course will learn what maritime transportation consists of, how it operates, how it is characterized economically, and how it is regulated. Three hours of lecture per week.
- MTMS 202**                      **Maritime Law**                      **(3)**  
This course covers the process involved in the exercise of jurisdiction by nations over the maritime area. It presents the roles of major global shipping on nations' maritime policy, with special emphasis on past and present maritime legislation, business regulations, corporate governance issues, and related case studies. Three hours of lecture per week.
- MTMS 303**                      **American Maritime History**                      **(3)**  
This course presents the development of American maritime enterprise from colonial times to the era of the containership, and its relationship to American political, economic, and cultural history. Three hours of lecture per week.
- MTMS 321**                      **International Business and Ocean Shipping**                      **(3)**  
This course presents the global business environment and its implications for operations, management, pricing, promotion, and financial strategies. It also presents the maritime capabilities in facilitation of contemporary supply chains, the liner and tramp segments of the international marine transportation industry, and their role in international trade. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 322**                      **Port and Terminal Operation Management**                      **(3)**  
This course provides an overview of the history, growth, organization, and operation of major ports and transportation terminals, including logistics processes such as on-dock rail, strategic and tactical planning, harbor drayage, terminal gate protocols, equipment and cargo movement, and integration of marine port and terminal operations with other modes of transportation. It introduces the functions of the port divided along business lines, different types of marine terminals, and the day-to-day operational, financial, and labor issues of ports and terminals. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 341**                      **Maritime Security Management**                      **(3)**  
This course provides the basic framework and knowledge to perform the duties and responsibilities of a Company Security Officer (CSO), Port Facility Security Officer (PFSO), or Ship Security Officer (SSO) as defined by the ISPS Code. It presents how to implement and maintain a security plan and how to work with other security officer. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 342**                      **Maritime Security Technology**                      **(3)**  
This course explores the implications and consequences of the scientific and technological issues in terms of maritime security in the social and political context. It presents instruction and discussion on current security issues and technologies. For example, containers now coming out of a port terminal are scanned for radiation; what can the scanners detect and if radiation is detected, what does that mean? How would a city be evacuated in the event a nuclear device was detected? Another example of technology with far reaching implications is that of biometrics; suppose everybody had their retina patterns in a national database? When is personal information too intrusive for government access? Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*

- MTMS 361**                      **Maritime Environmental Management**                      **(3)**  
 This course presents an overview of the basic environmental regulations as they pertain to the maritime industry. The environmental management strategies (EMS) to be covered include knowing the fundamental structure of environmental strategies, EMS alternatives, alternative dispute resolution, how an effective EMS can reduce costs and increase profits, and what environmental laws may be triggered by relevant activities. Sections of the following laws pertaining specifically to Vessel Operations are used: MARPOL, Resource Conservation and Recovery Act, Clean Water Act, Montreal Protocol, and State Statutes. Three lecture hours per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 423**                      **Marine Cargo Operations**                      **(3)**  
 This course is an introduction to the objectives and problems with break-bulk cargo handling during loading, discharging, and in-transit carriage. It presents the role of the ship in integrated transportation systems, the methods of cargo loss prevention, and the maximum cargo efficiency with relation to space, cargo gear, crew, and labor costs. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 424**                      **Containerization and Modern Cargo Storage**                      **(3)**  
 This course presents the principles and regulations for transporting special refrigerated and hazardous cargo. It addresses the security of shipments from a regulatory, operational, and global business perspective. Students enrolled in this course will be trained to identify dangerous goods and know that they are to be stowed and separated according to the requirements. Students will also learn the hazards related to bulk cargoes and the precaution to take during their loading and carriage. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 425**                      **International Intermodal Transportation**                      **(3)**  
 This course is designed to examine the modern inter-modal transportation and distribution systems used in the movement of international and domestic cargo. It presents the evolution, development, and use of rail, air, truck, and maritime transportation systems, and their dynamic impacts on international trade. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 443**                      **Maritime Transportation Security**                      **(3)**  
 This course focuses on the International Ship and Port Security Code (ISPS) and domestic maritime security policies. It presents an introduction of port and ship vulnerability assessments, security plan implementation procedures, various levels of shipboard security responsibilities, and security administration. It also explores elements of chemical, biological and radiological defense (CBRD), and crisis management. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 444**                      **Lectures in Contemporary Maritime Security Issues**                      **(3)**  
 This course invites prominent experts in maritime and intermodal security to give special lectures on various topical issues of the day in their field of security. Students enrolled in this course are required to submit a term paper that integrates the information from different speakers and their research project experience. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 445**                      **Maritime Risk Assessment and Management**                      **(3)**  
 This course is designed to develop the concepts required for maritime risk-based planning and analysis, and the methods used to conduct vulnerability assessment for natural disaster, technological hazards, and terrorist threats. The topics to be covered included: 1) Introduction and Analysis, such as Process Descriptions, Hazard Identification, Source Models, Consequence Analysis; 2) Assessment, such as Exposure Assessment, Does Response and Risk Characterization, Radiation Risk Assessment, Environmental Assessment; and 3) Management, such as Structural Activity Relationships, Risk Management, ISO 14000. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*

- MTMS 462**                      **Marine Environmental Protection**                      **(3)**  
This course offers an interdisciplinary approach to ways in which human beings control adverse effects to the marine environment. It presents various environmental situations and the methods of applying scientific knowledge about the coastal areas to the human, economic, and political dimension. Three lecture hours per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 463**                      **Maritime Environmental Law**                      **(3)**  
This course is designed to familiarize students with the concepts and mechanisms of international and U.S. federal environmental law and policy. It presents the role of the American legal system as it functions to control and remediate maritime environmental problems and evaluates the opportunities to use judicial, administrative, and legislative processes to address those problems. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 481**                      **Seminar in International Maritime Business**                      **(3)**  
This course provides an opportunity for students and the instructor to discuss the effects of multi-national operations on business strategy and decision making by exploring the economic, political, financial, legal, and social nature of the international environment. It examines maritime and transport related formulation, selection, and implementation of multi-national strategies in the context of business environment. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 482**                      **Advanced Transportation Management**                      **(3)**  
This course presents perspectives on carrier organization and management. It examines national transportation policy, regulation, and the changing environment of transportation. Topics to be covered include transportation operations, marketing, financing, purchasing, information systems and maintenance, as well as human resources management and labor relations. Students enrolled in this course are required to involve in original research on problems in transportation management with emphasis on maritime transportation. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 483**                      **Maritime Studies Senior Seminar**                      **(3)**  
This course facilitates discussions between students, the instructor, and invited speakers to discuss topical themes related to diverse aspects of society and commerce in coastal and oceanic zones, the maritime experience, and the political, economical, cultural, and environmental perspectives of maritime management. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*
- MTMS 490**                      **Independent Study**                      **(3)**  
This course allows students to study independently on selected topics. Prerequisites: students need to have at least average 3.0 GPA with their MTMS classes and be within 30 hours of graduation. Approval of department head and corresponding instructors are needed.
- MTMS 495**                      **Field Work Practicum in Maritime Transportation**                      **(3)**  
This course provides students with field work opportunities to gain hands-on experience in various maritime transportation related work. Students enrolled in this course are required to submit a written report of the practicum or project experience, detailing the specific tasks performed. Three hours of lecture per week. *Pre-requisite MTMS 101 with a grade of "C" or better.*



**LISTING OF FACULTY IN THE DEPARTMENT**

<p><b>Azimi, Mehdi</b>  <b>Visiting Assistant Professor</b>          B.S. University of Sistan &amp; Baluchestan          M.S., Tarbiat Modarres University          M.S., Texas Southern University          Ph.D., Texas A&amp;M University</p>	<p><b>Qiao, Fengxiang</b>  <b>Associate Professor</b>          B.S., South East University          M.S., South East University          Ph.D., Hong Kong University of Science and Technology</p>
<p><b>Beverly, Parris</b>  <b>Visiting Instructor</b>          B.S., Merchant Marine Academy          M.B.A., University of Rochester</p>	<p><b>Williams, Ursula A.</b>  <b>Visiting Instructor</b>  <b>Maritime Program Coordinator</b>          B.A., Huston-Tillotson College          M.C.R.P., University of Texas at Arlington          M.S, Texas Southern University</p>
<p><b>Hill, Brian</b>  <b>Adjunct Instructor</b>          B.A., Florida International University          M.S., U.S. Naval Postgraduate School          J.D., St. Thomas University School of Law</p>	<p><b>Yu, Lei</b>  <b>Dean, Professor</b>          B.S., Beijing (formerly Northern) Jiaotong University          M.S., Nagoya Institute of Technology          Ph.D., Queen's University</p>
<p><b>Lewis, Carol A.</b>  <b>Professor</b>          B.S., M.S., University of Iowa          Ph.D., University of Houston</p>	
<p><b>Morgan, Robert</b>  <b>Visiting Instructor</b>          B.S., Southern University          B.S., Panama Canal College          M.S., National University          M.S., Texas Southern University</p>	
<p><b>Qi, Yi</b>  <b>Chair, Associate Professor</b>          B.S., M.S., East China Normal University, Shanghai          M.S., Polytechnic University of New York          Ph.D., Polytechnic University of New York</p>	

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE  
IN MARITIME TRANSPORTATION MARITIME MANAGEMENT AND SECURITY (WITH MINOR)  
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*		MAJOR (MARITIME TRANSPORTATION MANAGEMENT AND SECURITY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		36 credits	22 credits	21 credits
<b>Communication:</b>		MTMS 101 (3)	ITEC 331 (3)	
ENG 131 (3) **	ENGL 1301	MTMS 202 (3)	MGMT 300 (3)	
ENG 132 (3)	ENGL 1302	MTMS 303 (3)	MGMT 402 (3)	
<b>Mathematics:</b>		MTMS 321 (3)	MATH 231 (3)	
MATH 133 (3) *	MATH 1314	MTMS 322 (3)	CS 116 (3)	
<b>Life and physical sciences:</b>		MTMS 341 (3)	MKTG 306 (3)	
Life and Physical Sciences (6)****		MTMS 361 (3)	GEOG 132 (3)	
		MTMS 424 (3)	FS 102 (1)*****	
<b>Language, philosophy, and culture:</b>		MTMS 463 (3)		
ENG 2xx (3) ***		MTMS 481 (3)		
<b>Creative arts:</b>		MTMS 495 (3)		
MUSI 239 (3)	HUMA 1315	MTMS Electives (3)***		
<b>American history:</b>				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<b>Government/political science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
PSY 131 (3)	PSY 2301			
<b>Institutional Options:</b>				
SC 135 (3)	SPCH 1321			
CS 116 (3)	COSC 1301			

Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. (N) represent the number of course credits.

\* Pending English and Math examinations

\*\* ENG 230 (3), ENG 231 (3), ENG 235 (3), or ENG 244 (3) (ENGL 2332, ENGL 2333, ENGL 2328, or ENGL 2326)

\*\*\* Elective course selected from MTMS 423, 425, 443, 445, 462, 482, 483.

\*\*\*\* Life and Physical Sciences credits should be selected from the following: One from the following courses: BIOL 143 (3) or CHEM 131 (3) and one from the following courses: CHEM 132 (3), BIOL 135 (3), GEOL 141 (3), PHYS 101 (3), PHYS 238 (3) or PHYS 251 (3) (TCCN: BIOL 1308 (3) or CHEM 1311 (3) and one from the following courses: CHEM 1312 (3), BIOL 2301 (3), GEOL 1303 (3), PHYS 1315 (3), PHYS 1301 (3), PHYS

\*\*\*\*\*freshman students must finish the freshman seminar class FS 102(1) in the first semester; Transfer students may substitute FS 102(1)

**BACHELOR OF SCIENCE DEGREE IN  
MARITIME TRANSPORTATION MARITIME MANAGEMENT AND SECURITY (WITH MINOR)  
DEGREE PLAN – TOTAL CREDITS: 121**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I*	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra*	3	POLS 236 Texas Government	3
	BIOL 143 Survey of Life Science***	3	GEOL 141 Introduction to the Earth***	3
	CS 116 Introduction to Computers	3	PSY 131 General Psychology	3
	POLS 235 American Government	3	MTMS 101 Intro to Maritime Transportation	3
	FS 102 Freshman Seminar****	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	MATH 231 Elementary Statistics I	3	ENG 230 World Literature I	3
	HIST 231 Social and Political History of the U.S. to 1877	3	HIST 232 Social and Political History of the U.S. since 1877	3
	MINOR	3	MINOR	3
	MTMS 202 Maritime Law	3	GEOG 132 World Regional Geography	3
	CS 116 Intro to Computers and Their Applications I	3	MINOR	3
			MUSI 239 Fine Arts and Daily Living	3
	<b>15 Hrs</b>		<b>18 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MTMS 303 American Maritime History	3	MTMS 361 Maritime Environ. Mgmt.	3
	MTMS 341 Maritime Security Management	3	MKTG 306 Principles of Management	3
	MGMT 300 Principles of Management	3	MTMS 322 Port and Term. Oper. Mgmt.	3
	ITEC 331 Technical Writing	3	MTMS Elective**	3
	MTMS 321 Inter. Business and Ocean Shipping	3	MINOR	3
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MTMS 424 Contan. And Mo. Cargo Stw.	3	MTMS 463 Maritime Environmental Law	3
	SC 135 Business and Professional Speaking	3	MTMS 481 Seminar in International Maritime Business	3
	MGMT 402 International Management	3	MINOR	3
	MINOR	3	MTMS 495 Practicum	3
	MINOR	3		
	<b>15 Hrs</b>		<b>12 Hrs</b>	

\* Pending acceptable scores on English and Math Placement Exams.

\*\*Elective course selected from MTMS 423, 425, 443, 445, 462, 482, and 483.

\*\*\*Life and Physical Sciences courses should be selected from the following: BIOL 143 or CHEM 131 (3) and one from the following courses: CHEM 132 (3); BIOL 135 (3); GEOL 141 (3); PHYS 101 (3); or PHYS 251 (3)

\*\*\*\*First time Freshman students only.

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE DEGREE  
IN MARITIME TRANSPORTATION MANAGEMENT AND SECURITY (WITHOUT MINOR)  
TOTAL CREDITS REQUIRED: 121**

CORE CURRICULUM (STANDARD)*		MAJOR (MARITIME TRANSPORTATION MANAGEMENT AND SECURITY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		45 credits	34 credits	0 credits
<b>Communication:</b>		MTMS 101 (3)	ITEC 331 (3)	
ENG 131 (3) **	ENGL 1301	MTMS 202 (3)	MGMT 300 (3)	
ENG 132 (3)	ENGL 1302	MTMS 303 (3)	MGMT 301 (3)	
<b>Mathematics:</b>		MTMS 321 (3)	MGMT 402 (3)	
MATH 133 (3) *	MATH 1314	MTMS 322 (3)	SPAN (6)*****	
<b>Life and physical sciences:</b>		MTMS 341 (3)	MATH 231 (3)	
Life and Physical Sciences (6)****		MTMS 361 (3)	CS 116 (3)	
		MTMS 424 (3)	CS 117 (3)	
<b>Language, philosophy, and culture:</b>		MTMS 463 (3)	MKTG 306 (3)	
ENG 2xx (3) ***		MTMS 481 (3)	GEOG 132 (3)	
<b>Creative arts:</b>		MTMS 495 (3)	FS 102 (1)*****	
MUSI 239 (3)	HUMA 1315	MTMS Electives (12)***		
<b>American history:</b>				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<b>Government/political science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
PSY 131 (3)	PSY 2301			
<b>Institutional Options:</b>				
SC 135 (3)	SPCH 1321			
CS 116 (3)	COSC 1301			

Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. (N)

\* Pending English and Math examinations

\*\* ENG 230 (3), ENG 231 (3), ENG 235 (3), or ENG 244 (3) (ENGL 2332, ENGL 2333, ENGL 2328, or ENGL 2326)

\*\*\* Elective course selected from MTMS 423, 425, 443, 445, 462, 482, 483.

\*\*\*\* Life and Physical Sciences credits should be selected from the following: One from the following courses: BIOL 143 (3) or CHEM 131 (3) and one from the following courses: CHEM 132 (3), BIOL 135 (3), GEOL 141 (3), PHYS 101 (3), PHYS 238 (3) or PHYS 251 (3) (TCCN: BIOL 1308 (3) or CHEM 1311 (3) and one from the following courses: CHEM 1312 (3), BIOL 2301 (3), GEOL 1303 (3), PHYS 1315 (3), PHYS 1301 (3), PHYS 1302 (3), PHYS 2325 (3).

\*\*\*\*\*freshman students must finish the freshman seminar class FS 102(1) in the first semester; Transfer students may substitute FS 102(1) with any college level course to complete the total credit hours required for graduation by their degree plan.

\*\*\*\*\* Can be substituted by any foreign language course including Chinese, Russian, Japanese, French, etc.

**BACHELOR OF SCIENCE DEGREE IN  
MARITIME TRANSPORTATION MARITIME MANAGEMENT AND SECURITY (WITHOUT MINOR)  
DEGREE PLAN – TOTAL CREDITS: 121**

First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131 Freshman English I*	3	ENG 132 Freshman English II	3
	MATH 133 College Algebra*	3	POLS 236 Texas Government	3
	BIOL143 Survey of Life Science***	3	GEOL 141 Introduction to the Earth***	3
	Major Lab Requirement	0	Major Lab Requirement	0
	CS 116 Introduction to Computers	3	PSY 131 General Psychology	3
	POLS 235 American Government	3	MTMS 101 Intro to Maritime Transportation	3
	FS 102 Freshman Seminar****	1		
		<b>16 Hrs</b>		<b>15 Hrs</b>

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	MATH 231 Elementary Statistics I	3	ENG 230 World Literature I	3
	HIST 231 Social and Political History of the U.S. to 1877	3	HIST 232 Social and Political History of the U.S. since 1877	3
	SPAN 131 Elementary Spanish****	3	SPAN 132 Elementary Spanish II****	3
	MTMS 202 Maritime Law	3	GEOG 132 World Regional Geography	3
	CS 116 Intro to Computers and Their Applications I	3	CS 117 Intro to Computers and Their Applications II	3
			MUSI 239 Fine Arts and Daily Living	3
	<b>15 Hrs</b>		<b>18 Hrs</b>	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MTMS 303 American Maritime History	3	MTMS 361 Maritime Environ. Mgmt.	3
	MTMS 341 Maritime Security Management	3	MKTG 306 Principles of Management	3
	MGMT 300 Principles of Management	3	MTMS 322 Port and Term. Oper. Mgmt.	3
	ITEC 331 Technical Writing	3	MTMS Elective**	3
	MTMS 321 Inter. Business and Ocean Shipping	3	MGMT 301 Personnel and Manpower Dev	3
	<b>15 Hrs</b>		<b>15 Hrs</b>	

Fourth Year	SEVENTH SEMESTER		EIGHTH SEMESTER	
	MTMS 424 Contan. And Mo. Cargo Stw.	3	MTMS 463 Maritime Environmental Law	3
	SC 135 Business and Professional Speaking	3	MTMS 481 Seminar in International Maritime Business	3
	MGMT 402 International Management	3	MTMS Elective**	3
	MTMS Elective**	3	MTMS 495 Practicum	3
	MTMS Elective**	3		
	<b>15 Hrs</b>		<b>12 Hrs</b>	

\*Pending acceptable scores on English and Math Placement Exams.

\*\*Elective course selected from MTMS 423, 425, 443, 445, 462, 482, and 483.

\*\*\*Life and Physical Sciences courses should be selected from the following: BIOL 143 or CHEM 131 (3) and one from the following courses: CHEM 132 (3); BIOL 135 (3); GEOL 141 (3); PHYS 101 (3); or PHYS 251 (3)

\*\*\*\*FS 102 for First Time Freshmen students only.

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE IN  
MARITIME TRANSPORTATION MANAGEMENT AND SECURITY FOR  
TRANSFER STUDENTS WITH AAS LOGISTICS & GLOBAL SUPPLY  
CHAIN MANAGEMENT MARITIME SPECIALIZATION**

**TOTAL CREDITS REQUIRED:121**

CORE CURRICULUM (STANDARD)*		MAJOR (MARITIME TRANSPORTATION MANAGEMENT AND SECURITY)	OTHER REQUIREMENTS	MINOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
42 credits		45 credits	34 credits	0 credits
<b>Communication:</b>		MTMS 101 (3) / [MART 1370]**	ITEC 331 or ENGL 2311** (3)	
ENG 131 (3) */**	ENGL 1301	MTMS 102 (3)/ [LMGT 1319]**	MGMT 300 (3)	
ENG 132 (3) **	ENGL 1302	MTMS 202 (3)/ [LMGT 2335 or IBUS 2335]**	MGMT 301 (3)	
<b>Mathematics:</b>		MTMS 121 (3) / [LMGT 1323]**	MGMT 402 (3)	
MATH 133 (3) or 135 (3)*/**	MATH 1314	MTMS 295 (3)/ [LMGT 2388]**	GEOG 132 (3)	
<b>Life and physical sciences:</b>		MTMS 303 (3)	FS 102 (1)*****	
Life and Physical Sciences (6)****		MTMS 321 (3)		
		MTMS 322 (3)	HCC Logistics and Global Supply Chain/Maritime Transfer Courses **	
<b>Language, philosophy, and culture:</b>		MTMS 341 (3)	Must be the following courses:	
ENG 2xx (3) *****		MTMS 361 (3)	LMGT 1370(3)**	
<b>Creative arts:</b>		MTMS 424 (3)	IBUS 1341 (3)**	
MUSI 239 (3)	HUMA 1315	MTMS 463 (3)	IBUS 1301 (3)**	
<b>American history:</b>		MTMS 481 (3)	LMGT 1345 (3)**	
HIST 231 (3)	HIST 1301	MTMS Elective (6) ***	IBUS 1302 (3)**	
HIST 232 (3)	HIST 1302		LMGT 1325 (3)**	
<b>Government/political science:</b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b>Social and behavioral sciences:</b>				
ECON 232 (3)**	ECON 2302			
<b>Institutional Options:</b>				
SC 135 (3) **	SPCH 1321			
CS 116 (3)	COSC 1301			

Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed. (N) represents the number of course credits.

\* Pending English and Math examinations

\*\*Courses to be transferred from HCC

\*\*\* Elective course selected from MTMS 423,425,443,445,462,482,483.

\*\*\*\* Life and Physical Sciences credits should be selected from the following: One from the following courses: BIOL 143 (3) or CHEM 131 (3) and one from the following courses: CHEM 132 (3), BIOL 135 (3), GEOL 141 (3), PHYS 101 (3), PHYS 237 (3), PHYS 238 (3) or PHYS 251 (3) (TCCN: BIOL1308 (3) or CHEM 1311(3) and one from the following courses: CHEM 1312(3), BIOL 2301(3), GEOL 1303 (3), PHYS 1315(3), PHYS 1301(3), PHYS 1302(3), PHYS 2325(3)).

\*\*\*\*\*freshman students must finish the freshman seminar class FS 102(1) in the first semester; Transfer students may substitute FS 102(1)

**BACHELOR OF SCIENCE IN  
MARITIME TRANSPORTATION MANAGEMENT AND SECURITY  
FOR TRANSFER STUDENTS WITH AAS LOGISTICS & GLOBAL SUPPLY CHAIN MANAGEMENT  
TOTAL CREDITS: 121**

<b>First Year</b>	<b>FIRST SEMESTER</b>	<b>SECOND SEMESTER</b>
	Courses will be completed at Houston Community College (AAS Logistics & Global Supply Chain Management) See course list in the Curriculum Summary Table	Courses will be completed at Houston Community College (AAS Logistics & Global Supply Chain Management) See course list in the Curriculum Summary Table

<b>Second Year</b>	<b>THIRD SEMESTER</b>	<b>FOURTH SEMESTER</b>
	Courses will be completed at Houston Community College (AAS Logistics & Global Supply Chain Management) See course list in the Curriculum Summary Table	Courses will be completed at Houston Community College (AAS Logistics & Global Supply Chain Management) See course list in the Curriculum Summary Table

<b>Third Year</b>	<b>FIFTH SEMESTER</b>	<b>SIXTH SEMESTER</b>		
	MTMS 101 Intro to Maritime Transportation	3	GEOL 141 Introduction to the Earth**	3
	BIOL 143 Survey of Life Science**	3	HIST 232 Social and Political History of the U.S. since 1877	3
	ENG 230 World Literature I	3	POLS 235 American Government	3
	GEOG 132 World Regional Geography	3	MTMS 321 Inter. Business and Ocean Shipping	3
	HIST 231 Social and Political History of the U.S. to 1877	3	MUSI 239 Fine Arts and Daily Living	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

<b>Fourth Year</b>	<b>SEVENTH SEMESTER</b>	<b>EIGHTH SEMESTER</b>		
	MTMS Elective*	3	MGMT 301 Personnel and Manpower Dev	3
	MGMT 300 Principles of Management	3	MTMS 424 Contan. And Mo. Cargo Stw.	3
	MTMS 322 Port and Term. Oper. Mgmt.	3	MTMS 463 Maritime Environmental Law	3
	MTMS 303 American Maritime History	3	CS 116 Introduction to Computers	3
	POLS 236 Texas Government	3	MTMS 341 Maritime Security Management	3
		<b>15 Hrs</b>		<b>15 Hrs</b>

<b>Fifth Year</b>	<b>NINTH SEMESTER</b>		
	MTMS Elective*	3	
	MGMT 402 International Management	3	
	MTMS 361 Maritime Environ. Mgmt.	3	
	MTMS 481 Seminar in International Maritime Business	3	
		<b>12 Hrs</b>	

\*\*Elective course selected from MTMS 423, 425, 443, 445, 462, 482, and 483.

\*\*\*Life and Physical Sciences courses should be selected from the following: BIOL 143 or CHEM 131 (3) and one from the following courses: CHEM 132 (3); BIOL 135 (3); GEOL 141 (3); PHYS 101 (3); or PHYS 251 (3)

## TWO YEAR COURSE ROTATION SCHEDULE

X indicates when a course shall be offered

COURSE NUMBER	COURSE NAME	SCH	FALL EVEN YEAR	SPRING ODD YEAR	SUM ODD YEAR	FALL ODD YEAR	SPRING EVEN YEAR	SUM EVEN YEAR	PREREQUISITES	COREQUISITE
MTMS 101	Introduction to Maritime Transportation	3	X	X		X	X		none	
MTMS 202	Maritime Law	3	X			X			none	
MTMS 303	American Maritime History	3	X			X			none	
MTMS 321	International Business and Ocean Shipping	3		X			X		MTM S101	
MTMS 322	Port and Terminal Operation Management	3	X			X			MTMS 101	
MTMS 341	Maritime Security Management	3	X			X			MTMS 101	
MTMS 361	Maritime Environmental Management	3		X			X		MTMS 101	
MTMS 424	Containerization and Modern Cargo Stowage	3	X			X			MTMS 101	
MTMS 463	Maritime Environmental Law	3		X			X		MTMS 101 and MTMS 202	
MTMS 481	Seminar in International Maritime Business	3		X			X		MTMS 101	
MTMS 495	Practicum	3		X			X		MTMS 101	SENIOR STANDING
MTMS 423	Marine Cargo Operations	3		X					MTMS 101	
MTMS 425	International Intermodal Transportation	3				X			MTMS 101	
MTMS 443	Maritime Transportation Security			X			X		MTMS 101 and MTMS 341	
MTMS 445	Maritime Risk Assessment and Management	3	X			X			MTMS 101	
MTMS 482	Advanced Transportation Management	3	X						MTMS 101	
MTMS 483	Maritime Studies Senior Seminar	3					X		MTMS 101	SENIOR STANDING
MTMS 490	Independent Study In Maritime Transportation Management And Security	3	X	X		X	X		MTMS 101	SENIOR STANDING



## THOMAS F. FREEMAN HONORS COLLEGE

In our global community in which the future of each society is linked to the future of the other, the Thomas F. Freeman Honors College at Texas Southern University has an essential commitment: preparing the next generation of citizens and leaders of the world.

The Thomas F. Freeman Honors College

- serves the needs of its scholars by providing a learning environment that fosters a commitment to excellence in education;
- prepares community and global leaders;
- is a flagship of the university; and,
- instills ethical standards and establishes meaningful exchanges with other learning communities locally, nationally and internationally.

### MISSION STATEMENT

The mission of the Thomas F. Freeman Honors College is to provide challenging courses and academic enhancement experiences for the scholars to achieve, and to promote critical thinking skills, intellectual engagement and strong research opportunities as it prepares scholars to excel in graduate or professional schools and a career path.

The Honors College is dedicated to the following core values: Honesty, Integrity, Community, Creativity and Excellence.

The Honors College:

- prepares students for success in the local, national and international arenas.
- provides scholarships to freshman.
- is associated with a dynamic Houston urban university with an historical mission of educating a diverse student body.
- is centrally located in the 4th largest city in the U.S. – near the Texas Medical Center, Museum District, and NASA.
- utilizes world-renowned faculty and administrative leadership, and stresses student academic support and guidance. The Honors College is named in honor of Dr. Thomas Franklin Freeman, the distinguished professor of psychology and philosophy and legendary coach of the acclaimed debate team at Texas Southern University. Among his accomplishments, Dr. Freeman instructed such iconic figures as Dr. Martin Luther King, Jr. and Rep. Barbara Jordan, and advised Academy Award winner Denzel Washington in preparation for his performance in the film *The Great Debaters*.

### COLLEGE ACADEMIC PROGRAM

The Thomas F. Freeman Honors College:

1. provides challenging courses and academic enhancement experiences for the scholars to achieve; and
2. promotes critical thinking skills, intellectual engagement and strong research opportunities as it prepares scholars to excel in graduate or professional schools and a career path.

The Honors curriculum is designed to:

- serve the needs of its scholars by providing a learning environment that fosters a commitment to excellence in education;
- prepare community and global leaders;
- represent itself as a flagship of the university; and,
- instill ethical standards and establish meaningful exchanges with other learning communities locally, nationally and internationally.

The Honors experience strives to:

- create an environment where academically talented scholars can develop;
- provide mentoring, nurturing and academic support so scholars can reach their full potential;
- promote scholars' interest in international education; and
- provide opportunities for internship and a service learning environment.

### Honors College Requirements

In order to earn the distinction of graduating from the Thomas F. Freeman Honors College, students must be admitted into the Honors College and meet its academic and other requirements, including maintaining both a semester and cumulative GPA of 3.25 and complete and pass a minimum of 15 semester credit hours in fall and spring of each year.

General Education “Honors Core” Courses—at the Lower Division Level

The institutional foundations come from the general education curriculum of the university. The Honors College provides “Honors” sections for general education core classes that are a required part of higher education by the State of Texas. The Honors core courses are specially designed for Honors scholars and emphasize Analysis, Synthesis, Oral Presentation, and Research. Scholars may select from the following courses to complete a minimum of 15 hours of Honors coursework.

**Honors Core Courses\*****Required Honors Credit Hours**

First two (2) years of undergraduate education: English 131 and 132 (6) English 230, 231, or 244 (3) Math 133, 134, 135, or 136 (3) Biology 143 or 132 (3) Chemistry 131 (3) Psychology 131 (3) Political Science 235 and 236 (6) History 231 and 232 (6) Speech 135 or 136 (3) Music 239 (3)	15
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**Upper Division Courses****Petitioning for Honors Credit with Course Augmentation Proposals**

Junior scholars must take six (6) credit hours in the junior year from major courses. These courses will be a contract (Course Augmentation Proposal) between the scholar and the professor. They are required to complete a total of two (2) course augmentation proposals (CAPs) in their junior year (one in fall and one in spring). The scholars are required to present their reports, research papers and projects at the semi-annual Honors Undergraduate Research and Internships Symposium. The symposium is designed to help them in their pursuits of career opportunities and in their applications for admission into graduate or professional programs.

**Course Augmentation Proposals (CAPs)\*****Required Credit Hours**

Juniors: Two Upper-Level (300 or 400 level) Courses within the Major	6
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**Senior Thesis\***

Honors College Scholars in the senior year are required to write a thesis during their last two semesters. Seniors will complete the thesis and submit it to the Honors College one month before their graduation. The senior scholars are required to present their thesis before a panel of Honors College faculty two (2) weeks before graduation.

Completion of thesis is based upon approval by the Honors Faculty Fellow assigned to the senior scholar.

\*Completion of Honors curriculum is required for the Thomas F. Freeman Honors College seal on the final transcript and diploma.

**Frederick Douglass Lecture Series**

All Honors scholars are required to attend two (2) lectures each semester, sponsored by the Honors College, featuring experts at the university as well as renowned local, regional, national and/or international scholars or creative artists. The lectures have a community or global focus.

**Enrichment: Research & Recruitment Trips and International Travel**

The Research and Recruitment trips involve students visiting cities outside of Houston, Texas with the goal of conducting and sharing research with another college's Honors program. While on the trip, scholars will recruit at area high schools.

Scholars have the opportunity to study abroad through the University's Office of International Programs in partnership with the Honors College.

These details are on the Web site of the College, at <http://www.tsu.edu/honorscollege>.

**ADMISSION REQUIREMENTS**

Admission to the Honors College is open to students who have exceptional academic backgrounds and an interest in continued rigorous collegiate-level coursework. Prospective students should complete the application for admission to the university as well as Honors College documents. Acceptance into the Honors College is based on certain criteria.

**Eligibility Requirements for High School Seniors:**

- Grade Point Average of 3.5 or higher on 4.0 scale, or, top 10% of class
- ACT composite score of at least 23 or higher, or
- SAT score of at least 1100 or higher on the Evidence-Based Reading and Writing + Mathematics sections
- Strong essay
- Successful interview

**Eligibility Requirements for Transfer and Continuing Students:**

- No more than 60 semester credit hours
- Grade Point Average of 3.5 or higher on 4.0 scale
- Strong essay
- Successful interview
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All applicants must submit (a) a complete application electronically, (b) copies of their transcripts, and (c) a 700-word essay (approximately 2 to 3 pages, with a central theme and supporting details) in which they respond to the question, "Why do I wish to enroll in the Honors College and what can I contribute to the program?"

High school seniors also must submit (d) copies of their SAT and/or ACT score reports, and (e) three letters of support – on the school's letterhead – preferably from their teachers in English, mathematics and any science.

**Special Note on Financial Assistance**

If a student receives a scholarship through the Thomas F. Freeman Honors College, it is with the condition that the student will first enroll in Texas Southern University in the fall semester of the academic year the scholarship covers. The University considers the Honors College scholarship to be part of the total financial aid package. Federal and state financial aid programs require that students not receive financial aid in excess of their financial need, as determined by their Free Application for Federal Student Aid (FAFSA). If a student should receive financial aid through Texas Southern University, the Office of Student Financial Assistance will determine whether the award from the Honors College necessitates a revision of the financial aid package. This may result in the adjustment of the Honors College award.

Applicants submit all materials to *HonorsDean@tsu.edu*.

The application deadlines are: for high school seniors, early admission December 1; regular admission March 15; late admission and for continuing and transfer students, June 1.

LISTING OF FACULTY AND STAFF IN THE DEPARTMENT

<p><b>Jemison-Pollard, Dianne</b>          Dean, Professor          B.A., Fisk University          M.A., University of Wisconsin          M.F.A., Catholic University of America          Ed.D, Texas Southern University</p>	<p><b>Miranda, Hector</b>          Assistant Dean, Associate Professor          B.S., M.S., University of the Philippines at Los Baos          Ph.D., University of Cincinnati</p>
<p><b>Nair, Renuka</b>          Director of Student Services          B.S., University of Toronto          M.A., Texas Southern University</p>	<p><b>Neal, Shandon P.</b>          Program Coordinator          B.A., Prairie View A&amp;M University          M.Ed., Prairie View A&amp;M University</p>



## TEXAS SOUTHERN UNIVERSITY

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