

# COLLEGE OF ARTS, SCIENCES, AND EDUCATION



"Education is not the filling of a pail, but the lighting of a fire." —W.B. Yeats

Since ancient times, a liberal education has been a proven way for people to better their lives. The idea would not have lasted if it hadn't worked. Study of the liberal arts and sciences will provide you with a mastery of letter and number that will make you smarter and prepare you to lead others and to prosper in a constantly changing environment. In other words, a degree in the liberal arts and sciences won't just help you to land a job—it will empower you to discover a calling in life, to develop a greater capacity to think from various perspectives, to make connections, to articulate your point-of-view, to better appreciate the natural world, and to cultivate a sense of ethical responsibility. In what world are those not valuable qualities?

## Mission Statement

We are a community of scholars who challenge each other to lives of inquiry.

## Bachelors Degrees

- Applied Arts and Sciences (BAAS) ([catalog.tamut.edu/arts-sciences-education/baas](http://catalog.tamut.edu/arts-sciences-education/baas))
- Biology (BS) ([catalog.tamut.edu/arts-sciences-education/biology](http://catalog.tamut.edu/arts-sciences-education/biology))
- Biotechnology (BS) ([catalog.tamut.edu/arts-sciences-education/biotechnology](http://catalog.tamut.edu/arts-sciences-education/biotechnology))
- Chemistry (BS) ([catalog.tamut.edu/arts-sciences-education/chemistry](http://catalog.tamut.edu/arts-sciences-education/chemistry))
- Criminal Justice (BS) ([catalog.tamut.edu/arts-sciences-education/criminal-justice](http://catalog.tamut.edu/arts-sciences-education/criminal-justice))
- English (BA) ([catalog.tamut.edu/arts-sciences-education/english/ba](http://catalog.tamut.edu/arts-sciences-education/english/ba))
- English (BS) ([catalog.tamut.edu/arts-sciences-education/english/bs](http://catalog.tamut.edu/arts-sciences-education/english/bs))
- General Studies (BGS) ([catalog.tamut.edu/arts-sciences-education/general-studies](http://catalog.tamut.edu/arts-sciences-education/general-studies))
- History (BA) ([catalog.tamut.edu/arts-sciences-education/history/ba](http://catalog.tamut.edu/arts-sciences-education/history/ba))
- History (BS) ([catalog.tamut.edu/arts-sciences-education/history/bs](http://catalog.tamut.edu/arts-sciences-education/history/bs))
- Kinesiology (BS) ([catalog.tamut.edu/arts-sciences-education/kinesiology](http://catalog.tamut.edu/arts-sciences-education/kinesiology))
- Mass Communication (BS) ([catalog.tamut.edu/arts-sciences-education/mass-communication](http://catalog.tamut.edu/arts-sciences-education/mass-communication))
- Nursing, Traditional Track (BSN) ([catalog.tamut.edu/arts-sciences-education/nursing-traditional](http://catalog.tamut.edu/arts-sciences-education/nursing-traditional))
- Nursing, RN to BSN Track (BSN) ([catalog.tamut.edu/arts-sciences-education/nursing](http://catalog.tamut.edu/arts-sciences-education/nursing))
- Political Science (BS) ([catalog.tamut.edu/arts-sciences-education/political-science](http://catalog.tamut.edu/arts-sciences-education/political-science))
- Psychology (BA) ([catalog.tamut.edu/arts-sciences-education/psychology/ba](http://catalog.tamut.edu/arts-sciences-education/psychology/ba))
- Psychology (BS) ([catalog.tamut.edu/arts-sciences-education/psychology/bs](http://catalog.tamut.edu/arts-sciences-education/psychology/bs))
- Sociology (BS) ([catalog.tamut.edu/arts-sciences-education/sociology](http://catalog.tamut.edu/arts-sciences-education/sociology))
- Teacher Certifications ([catalog.tamut.edu/arts-sciences-education/teacher-certifications](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications))

## Minors

A minor requires a minimum of 18 SCH in a discipline, with the exception of the interdisciplinary-studies minor that requires hours from more than one discipline.

### Biology

Code	Title	Hours
BIOL 1306	Biology for Science Majors I	3
BIOL 1106	Biology for Science Majors I Lab	1
BIOL 1307	Biology for Science Majors II	3
BIOL 466	Evolutionary Biology	3
9 SCH UD Biology Electives		9
Total Hours		19

### Biotechnology

Code	Title	Hours
BTEC 1340	Quality Assurance and Quality Control in Biotechnology	3
BTEC 2431	Cell Culture Techniques	4
or BTEC 2441	Basic Molecular Biology Techniques	
BTEC 310	Biotechnology Research Methods and Applications	4
BTEC 490	Advanced Biotechnology	4
Select 1 of the following:		4
BTEC 411	Protein Purification and Analysis	
BTEC 440	Advanced Bioinformatics	
BTEC 473	Fundamentals of DNA Forensics	
Total Hours		19

### Chemistry

Code	Title	Hours
CHEM 1311	General Chemistry I	3
CHEM 1111	General Chemistry I (Lab)	1
CHEM 1312	General Chemistry II	3
CHEM 1112	General Chemistry II (Lab)	1
CHEM 2423	Organic Chemistry I	4
CHEM 2425	Organic Chemistry II	4
CHEM 410	Biochemistry I	4
Total Hours		20

### Communication

Code	Title	Hours
COMM 1311	Introduction to Communication Studies	3
COMM 1318	Interpersonal Communication	3
COMM 2335	Argumentation and Advocacy	3
or ENGL 2335		
COMM 320	Communication in Organizations	3
COMM 325	Persuasive Communication	3
or ENG 325		
MCOM 350	Mass Communication Research Methods	3
or COMM 350		
Total Hours		18

## Criminal Justice

Code	Title	Hours
Select at least three sch from each of the following Areas:		
<b>Area I</b>		9
CJ 320	Deviance and Deviant Behavior	
CJ 325	Crime and Delinquency	
CJ 480	Criminological Theories	
<b>Area II</b>		
CJ 315	Law and Society	
CJ 340	Criminal Law and Procedure	
CJ 430	Constitutional Issues: Rights of Accused and Convicted Offenders	
CJ 485	Seminar in Criminal Justice	
<b>Area III</b>		
CJ 310	The Juvenile Justice System	
CJ 330	Institutional Corrections, Theory, and Practice	
CJ 360	Probation, Parole, and Community Corrections	
CJ 380	Ethnic and Cultural Diversity in America	
3 courses in upper division Criminal Justice		9
Total Hours		18

## Drama

Code	Title	Hours
DRAM 1310	Introduction to Theatre	3
DRAM 1351	Acting I	3
DRAM 310	Myths, Mysteries, and Murders	3
DRAM 311	Manners, Modernity, and Masochism	3
DRAM 335	Playwriting I	3
DRAM 450	Studies in Genre (Drama)	3
Total Hours		18

## English

Code	Title	Hours
ENGL 1301	Composition I <sup>1</sup>	3
ENGL 1302	Composition II <sup>1</sup>	3
ENG 450	Studies in Genre	3
Select one of the following:		3
ENGL 2326	American Literature	
ENGL 2321	British Literature	
ENGL 2331	World Literature	
Select two of the following:		6
ENG 442	Advanced American Literature	
ENG 472	Advanced British Literature	
ENG 445	Advanced World Literature	
Total Hours		18

## Environmental Science

Code	Title	Hours
BIOL 2406	Environmental Biology	3
BIOL 307	General Ecology	3
BIOL 450	Limnology	4
BIOL 420	Global Change (EL) <sup>1</sup>	3
CHEM 405	Environmental Chemistry	3

Select one of the following:	3
BIOL 421	Endangered Ecosystems
BIOL 422	Atmosphere and Biosphere
BIOL 330	Introduction to Geographic Information Systems
Total Hours	19

## Gender Studies

Code	Title	Hours
18sch from the following:		18
CJ 350	Types of Crime	
ENG 430	Studies in Women's Literature	
HIST 416	Sex, Swords, & Sorcery: The Medieval World in Anglo-American Film	
HIST 419	American Social and Intellectual History	
HONR 345	Advanced Academic Argument Seminar/Continental Philosophy	
PSCI 305	Introduction to Political Ideologies	
PSCI 410	American Political Theory	
PSCI 426	Civil Rights and Civil Liberties	
PSCI 450	Politics and Gender	
PSY 320	Psychology of Interpersonal Interaction	
PSY 445	Human Sexual Behavior	
SOCI 2301	Marriage and Family	
Total Hours		18

## History

Code	Title	Hours
HIST 1301	United States History I	3
HIST 1302	United States History II	3
Upper-division History Electives		12
Total Hours		18

## Interdisciplinary Studies

Code	Title	Hours
Lower-division courses outside major		9
Upper-division courses outside major		9
Total Hours		18

## International Studies

Code	Title	Hours
College-level Foreign Language		6
Select twelve sch from the following:		12
ENG 450	Studies in Genre	
ENG 472	Advanced British Literature	
HIST 451	Modern Latin America	
HIST 454	The Culture and History of Mexico	
HIST 352	Europe, 1920 to the Present	
HIST 470	Twentieth Century Asia	
PSCI 340	Introduction to Comparative Politics	
PSCI 350	Introduction to International Relations	
PSCI 442	Disputes in International Relations	
SOC 385	Globalization and Social Change	
SOC 485	Religion and Society	
Total Hours		18

Any foreign-language of 3 SCH with an international travel component, in addition to the 6 SCH foreign-language requirement.

## Kinesiology

Code	Title	Hours
BIOL 2401	Human Anatomy and Physiology I	4
BIOL 2402	Human Anatomy and Physiology II	4
<b>Choose 4 courses from the list below:</b>		<b>12</b>
KINE 331	Motor Development	
KINE 334	Test and Measurement in Kinesiology	
KINE 343	Exercise Physiology	
KINE 1354	Concepts of Physical Activity	
KINE 432	Kinesiology and Biomechanics	
KINE 436	Motor Skills for Special Populations	
KINE 443	Exercise Testing and Prescription	
<b>Total Hours</b>		<b>20</b>

## Leadership

Code	Title	Hours
LEAD 305	Introduction to Leadership: Concepts and Practices	3
LEAD 310	Leadership Theory and Practice	3
LEAD 400	Leadership and Gender Issues	3
LEAD 415	Organization Development and Change	3
LEAD 420	Community Leadership	3
Leadership Elective		3
<b>Total Hours</b>		<b>18</b>

## Mass Communication

Code	Title	Hours
MCOM 1307	Introduction to Mass Communication	3
Sophomore Level Mass-Communication course (2000 course number)		3
Select one of the following:		3
MCOM 305	Media Law and Ethics	
MCOM 300	Mass Communication Theory	
MCOM 350	Mass Communication Research Methods	
Upper Division Mass-Communication elective courses		6
Mass Communication Elective (upper division or lower division)		3
<b>Total Hours</b>		<b>18</b>

## Political Science

Code	Title	Hours
GOVT 2301	American Government I: Federal & Texas Constitutions	3
GOVT 2302	American Government II: Federal & Texas Political Behavior	3
Upper-division Political Science Electives		12
<b>Total Hours</b>		<b>18</b>

## Pre-Health (available for Biology Majors only)

Code	Title	Hours
MATH 1342	Elementary Statistical Methods	3
BIOL 2401	Human Anatomy and Physiology I	4
BIOL 2402	Human Anatomy and Physiology II	4
BIOL 311	General Microbiology	4
Select 1 of the following courses:		3-4
BIOL 332	Molecular Pharmacology and Toxicology	

BIOL 335	Medical Terminology	
BIOL 445	Virology	
BIOL 446		
CHEM 410	Biochemistry I	
<b>Total Hours</b>		<b>18-19</b>

## Psychology

Code	Title	Hours
PSYC 2301	General Psychology	3
PSYC 2314	Lifespan Growth and Development	3
PSY 316	Abnormal Psychology	3
PSY 317	Psychology of Personality	3
or PSY 350	Learning and Behavior	
PSY 426	Introduction to Clinical and Counseling Psychology	3
Psychology Elective		3
<b>Total Hours</b>		<b>18</b>

## Social Studies

Code	Title	Hours
ECON 2301	Principles of Macroeconomics	3
GEOG 1303	World Regional Geography	3
GEOG 413	Cultural Geography	3
GOVT 2301	American Government I: Federal & Texas Constitutions	3
PSCI 340	Introduction to Comparative Politics	3
or PSCI 350	Introduction to International Relations	
PSCI 427	Public Law (EL)	3
or PSCI 428	Intergovernmental Politics	
<b>Total Hours</b>		<b>18</b>

## Social Work

Code	Title	Hours
SOCI 2350	Introduction to Social Work	3
SOCW 360	Working with Diverse Populations	3
SOCW 365	Social Work Practice with Individuals and Families	3
SOCW 370	Social Welfare Policy	3
SOC 495	Sociology Internship	3
3sch Upper Division Elective		3
<b>Total Hours</b>		<b>18</b>

## Sociology

Code	Title	Hours
SOCI 1301	Introduction to Sociology	3
SOC 320	Deviance and Deviant Behavior	3
SOC 323	Social Stratification	3
SOC 380	Ethnic and Cultural Diversity in America	3
SOC 485	Religion and Society	3
Upper-division approved Sociology elective		3
<b>Total Hours</b>		<b>18</b>

## Spanish

Code	Title	Hours
<b>Required Lower Division Language Courses</b>		
SPAN 1311	Beginning Spanish I	3

SPAN 1312	Beginning Spanish II	3
SPAN 2311	Intermediate Spanish I	3
SPAN 2312	Intermediate Spanish II	3

**Required Upper Division Language Courses**

SPAN 303	Spanish Composition and Conversation <sup>1</sup>	3
or SPAN 497	Special Topics	

**Interdisciplinary Course Requirements**

Select one of the following: 3

HIST 450	Latin America-The Colonial Era	
HIST 451	Modern Latin America	
HIST 454	The Culture and History of Mexico	

The minor advisor may approve the substitution of other courses, which have Latin America as their primary focus.

Total Hours 18

<sup>1</sup> Prior to enrolling in Spanish courses, students must complete the following:

- Pass a Spanish Proficiency Exam at a level of 300
- Complete an oral interview with the Spanish instructor
- Receive permission from the Spanish instructor to enroll in course

**Writing Studies**

Code	Title	Hours
ENGL 2340	Writing Across the Curriculum	3
ENGL 2351	Introduction to Creative Writing	3
MCOM 2310	Media Writing	3

**Select 3 of the following courses:**

ENG 340	Advanced Expository Writing (EL)	
ENG 345	Advanced Composition for Educators	
ENG 350	Technical Writing (EL)	
ENG 424	History and Grammar of the English Language	
ENG 497	Special Topics	
MCOM 410	Feature Writing	
MCOM 415	News Analysis and Opinion Writing	

Total Hours 18

**Masters Degrees**

- Adult and Higher Education (MS) ([catalog.tamut.edu/graduate-studies/arts-sciences-education/adult-higher-education](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/adult-higher-education))
- Communication (MA) ([catalog.tamut.edu/graduate-studies/arts-sciences-education/communication](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/communication))
- Counseling (MS) ([catalog.tamut.edu/graduate-studies/arts-sciences-education/counseling](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/counseling))
  - School Counselor Certification ([catalog.tamut.edu/graduate-studies/arts-sciences-education/counseling/school-counselor-certification](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/counseling/school-counselor-certification))
  - Clinical Mental Health Counseling ([catalog.tamut.edu/graduate-studies/arts-sciences-education/counseling/clinical-mental-health-certification](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/counseling/clinical-mental-health-certification))
- Curriculum and Instruction (MS) ([catalog.tamut.edu/graduate-studies/arts-sciences-education/curriculum-instruction](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/curriculum-instruction))
  - ESL Education ([catalog.tamut.edu/graduate-studies/arts-sciences-education/curriculum-instruction/esl-education](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/curriculum-instruction/esl-education))
  - Master Mathematics-Teacher (MMT) Certification ([catalog.tamut.edu/graduate-studies/arts-sciences-education/curriculum-instruction/master-mathematics-teacher-certification](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/curriculum-instruction/master-mathematics-teacher-certification))
  - Professional Educational Diagnostician ([catalog.tamut.edu/graduate-studies/arts-sciences-education/curriculum-instruction/prof-educational-diagnostician](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/curriculum-instruction/prof-educational-diagnostician))
  - Reading-Specialist Certification ([catalog.tamut.edu/graduate-studies/arts-sciences-education/curriculum-instruction/reading-specialist-certification](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/curriculum-instruction/reading-specialist-certification))
  - Special Education ([catalog.tamut.edu/graduate-studies/arts-sciences-education/curriculum-instruction/special-education](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/curriculum-instruction/special-education))
  - Teacher Certification ([catalog.tamut.edu/graduate-studies/arts-sciences-education/curriculum-instruction/teaching-certification](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/curriculum-instruction/teaching-certification))
- Education Administration; Principal Certification (MEd) ([catalog.tamut.edu/graduate-studies/arts-sciences-education/education-administration-principal-certification](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/education-administration-principal-certification))
- English (MA) ([catalog.tamut.edu/graduate-studies/arts-sciences-education/english](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/english))

- History (MS) ([catalog.tamut.edu/graduate-studies/arts-sciences-education/history](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/history))
- Instructional Technology (MS) ([catalog.tamut.edu/graduate-studies/arts-sciences-education/instructional-technology](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/instructional-technology))
  - Instructional Technology (MS with Master Technology-Teacher Certification) ([catalog.tamut.edu/graduate-studies/arts-sciences-education/instructional-technology/master-technology-teacher-certification](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/instructional-technology/master-technology-teacher-certification))
- Interdisciplinary Studies (MS) ([catalog.tamut.edu/graduate-studies/arts-sciences-education/interdisciplinary-studies](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/interdisciplinary-studies))
  - Teacher Education Concentration ([catalog.tamut.edu/graduate-studies/arts-sciences-education/interdisciplinary-studies/teacher-certification](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/interdisciplinary-studies/teacher-certification))
- Nursing Administration (MSN) ([catalog.tamut.edu/graduate-studies/arts-sciences-education/nursing](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/nursing))
- Psychology (MS) ([catalog.tamut.edu/graduate-studies/arts-sciences-education/psychology](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/psychology))

## **Certifications**

- Alternative Certification Program (ACP) ([catalog.tamut.edu/graduate-studies/graduate-alternate-certification-program](http://catalog.tamut.edu/graduate-studies/graduate-alternate-certification-program))
- Teacher Certifications ([catalog.tamut.edu/arts-sciences-education/teacher-certifications](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications))
  - Biology 4-8 Science Certification ([catalog.tamut.edu/arts-sciences-education/teacher-certifications/biology-4-8-science-certification](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/biology-4-8-science-certification))
  - Biology 7-12 Composite Science Certification ([catalog.tamut.edu/arts-sciences-education/teacher-certifications/biology-7-12-composite-science-certification](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/biology-7-12-composite-science-certification))
  - Biology 7-12 Life Sciences Certification ([catalog.tamut.edu/arts-sciences-education/teacher-certifications/biology-7-12-life-sciences-certification](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/biology-7-12-life-sciences-certification))
  - Chemistry 7-12 Chemistry Certification ([catalog.tamut.edu/arts-sciences-education/teacher-certifications/chemistry-7-12-chemistry-certification](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/chemistry-7-12-chemistry-certification))
  - English 4-8 English, Lang. Arts, Reading Certification ([catalog.tamut.edu/arts-sciences-education/teacher-certifications/english-4-8-english-lang-arts-reading-certification](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/english-4-8-english-lang-arts-reading-certification))
  - English 7-12 English, Lang. Arts, Reading Certification ([catalog.tamut.edu/arts-sciences-education/teacher-certifications/english-7-12-english-lang-arts-reading-certification](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/english-7-12-english-lang-arts-reading-certification))
  - History 7-12 History Certification ([catalog.tamut.edu/arts-sciences-education/teacher-certifications/history-7-12-history-certification](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/history-7-12-history-certification))
  - History 4-8 Social Studies Certification ([catalog.tamut.edu/arts-sciences-education/teacher-certifications/history-4-8-social-studies-certification](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/history-4-8-social-studies-certification))
  - History 7-12 Social Studies Certification ([catalog.tamut.edu/arts-sciences-education/teacher-certifications/history-7-12-social-studies-certification](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/history-7-12-social-studies-certification))
  - Interdisciplinary Studies EC-6 Core Subjects ([catalog.tamut.edu/arts-sciences-education/teacher-certifications/ec-6-core-subjects](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/ec-6-core-subjects))
  - Kinesiology Physical Education EC-12 ([catalog.tamut.edu/arts-sciences-education/teacher-certifications/kinesiology-physical-education-ec-12](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/kinesiology-physical-education-ec-12))
  - Mathematics 4-8 Mathematics Certification ([catalog.tamut.edu/arts-sciences-education/teacher-certifications/mathematics-4-8-mathcertification](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/mathematics-4-8-mathcertification))
  - Mathematics 7-12 Mathematics Certification ([catalog.tamut.edu/arts-sciences-education/teacher-certifications/mathematics-7-12-math-certification](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications/mathematics-7-12-math-certification))
- Teacher Preparation Program ([catalog.tamut.edu/arts-sciences-education/teacher-certifications](http://catalog.tamut.edu/arts-sciences-education/teacher-certifications))
- Superintendent Certification ([catalog.tamut.edu/graduate-studies/arts-sciences-education/superintendent-certification](http://catalog.tamut.edu/graduate-studies/arts-sciences-education/superintendent-certification))

## **Doctoral Degrees**

- Education Leadership ([catalog.tamut.edu/doctoral-studies/education-leadership](http://catalog.tamut.edu/doctoral-studies/education-leadership))