

Students majoring in most disciplines must complete a minor. A minor consists of a minimum of 18 credit hours, at least nine of which must be upper division. No courses may be counted simultaneously toward the major and minor. Each discipline specifies the requirements for the minor. Additionally, there are interdisciplinary minors that incorporate courses from many different disciplines. The specific requirements for all of the minors may be found in the following pages.

The following programs do not require completion of a minor and students in these majors may not declare a minor:

Bachelor of Business Administration:

- Accountancy
- Finance
- Management
- Marketing

Bachelor of Arts:

- Humanities
- Multidisciplinary Studies

Bachelor of Fine Arts

Bachelor of Music

Bachelor of Science in Industrial Technology

Bachelor of Science in Information Systems

Bachelor of Science in Engineering (all majors and tracks)

Bachelor of Social Work

## Accountancy Minor

Business Discipline Specific minors are available for Accountancy, Finance, Management, and Marketing, and Entrepreneurship. Each minor gives the non-business student a specialized background in the selected field. At least 50% of upper level business credit hours in the minor must be taken at U.T. Permian Basin.

Students pursuing a Business Discipline Specific minor must meet all prerequisites of courses included in the minor, even if these prerequisites cause the minor coursework to exceed the number of credit hours listed below. See the course descriptions in the major area to ascertain the prerequisites for each course.

### Minor Requirements (18 sch)

- ACCT 2301 Principles of Financial Accounting 3 sch
- ACCT 2302 Principles of Managerial Accounting 3 sch
- ACCT 3301 Intermediate Accounting I 3 sch
- ACCT 3302 Intermediate Accounting II 3 sch
- ACCT 3303 Cost Accounting Principles 3 sch
- ACCT 3305 Federal Income Tax 3 sch

## Art History Minor

The Art History Minor is an appropriate minor for many disciplines as it provides an opportunity for students to enhance their educations with knowledge about world arts. Many students who major in History find that their history courses are reinforced through taking Art History courses. The Art History Minor can be completed by taking face to face, online or a combination of both courses.

### Lower Level

- ARTS 1303 Art History Survey I 3 sch
- ARTS 1304 Art History Survey II 3 sch

### Upper Level

#### Two Art History courses before the Twentieth Century (6 sch)

- ARTS 3301 Women Artists I 3 sch
- ARTS 3303 American Art I 3 sch
- ARTS 4304 History of Nineteenth Century Art 3 sch
- ARTS 4305 History of Renaissance Art 3 sch

#### Two Art History courses related to the Twentieth and Twenty-first Centuries (6 sch)

- ARTS 3302 Women Artists II 3 sch
- ARTS 3305 Modern Hispanic Art and Its Foundation 3 sch
- ARTS 4300 Concepts in Modern Art 3 sch
- ARTS 4301 Art since 1940 3 sch

## Art Minor

The Art minor is geared toward students who are interested in hands-on activities. This minor is appropriate for students who enjoy studio courses but wish to pursue a different major field.

### Freshman/Sophomore Level Courses (9 sch)

One of the following courses:

- ARTS 1303 Art History Survey I 3 sch
- ARTS 1304 Art History Survey II 3 sch

One of the following courses:

- ARTS 1311 Two-Dimensional Design 3 sch
- ARTS 1312 Three-Dimensional Design 3 sch

One of the following courses:

- ARTS 1316 Introduction to Drawing 3 sch
- ARTS 2310 Figure Composition I 3 sch

### Junior/Senior Level Courses (3 sch)

One of the following courses:

- ARTS 3301 Women Artists I 3 sch
- ARTS 3302 Women Artists II 3 sch
- ARTS 3303 American Art I 3 sch
- ARTS 3305 Modern Hispanic Art and Its Foundation 3 sch
- ARTS 4300 Concepts in Modern Art 3 sch
- ARTS 4301 Art since 1940 3 sch
- ARTS 4304 History of Nineteenth Century Art 3 sch
- ARTS 4305 History of Renaissance Art 3 sch

### Two Junior or Senior level Studio Courses (6 sch)

## Bilingual/English as a Second Language Minor

Administered by the Department of Curriculum and Instruction within the College of Education. The minor in Bilingual/E.S.L. provides students the opportunity to develop an understanding of the role of language in society, how an individual functions in a society where his/her primary language is not the primary language of the society, and how a second language is acquired. This understanding is useful for those working in a bilingual or E.S.L. classroom, workplace or social service organization. It also provides the individual with insight into the bilingual society of the Southwestern United States.

### Minor Requirements

The total semester hours required for the minor in Bilingual/ESL is 18. At least 9 of the credit hours must be at the upper level.

\*A student must be admitted to the Teacher Education Program before enrolling in any course denoted with an asterisk (\*).

^These courses require proficiency in Spanish. See the course descriptions for pre-requisites.

### Required Courses

- EDUC 4329 First and Second Language Acquisition 3 sch Or CHLD 4329
- EDUC 4362 Foundations of Bilingualism and Multiculturalism 3 sch

Choose one course from the following:

- ENGL 3371 The English Language 3 sch
- ENGL 3372 English Grammar 3 sch

Choose three courses from the following:

- \* EDUC 4315 Cognition and Biliteracy 3 sch
- \* EDUC 4317 Second Language Acquisition Principles EC-6 3 sch
- \* EDUC 4336 Issues of Multilingualism 3 sch
- \*^ EDUC 4363 Methods of Teaching in the Bilingual Classroom 3 sch
- ENGL 3306 American Multicultural Fiction 3 sch
- ENGL 3371 The English Language 3 sch (if not taken to fulfill another requirement)
- ENGL 3372 English Grammar 3 sch (if not taken to fulfill another requirement)
- PSYC 3341 Child/Adolescent Psychology 3 sch
- PSYC 3344 Life-Span Psychology 3 sch
- SOCI 4320 Social Stratification 3 sch
- ^ SPAN 3311 Practical Spanish and Translation 3 sch

## Biology Minor

Biology serves as an appropriate minor area for students to complement majors in other sciences, such as Chemistry, Environmental Science, or Geology, in the behavioral sciences, such as Kinesiology, Psychology and Sociology, and in many other majors.

Biology minors who intend to certify in Biology as a second teaching field must complete at least 24 semester credit hours rather than the 20 semester credit hours of an ordinary Biology minor, with a minimum of 12 semester credit hours at the upper level. In addition, they must complete the following requirements: CHEM 1311 General Chemistry I-CHEM 1111 General Chemistry Lab I and CHEM 1312 General Chemistry II-CHEM 1112 General Chemistry Lab II

Students transferring credits to U. T. Permian Basin in clinical courses such as nursing, medical technology and other allied health areas should consult with the Chair of the Health Professions Advisory Committee to determine the number of incoming credits that may apply toward a degree. The biology faculty will help students design programs of study to satisfy specific career objectives. A minimum of 120 hours, 48 of which must be upper-level, are required for the Bachelor's degree.

### Minor Requirements (21 sch)

Students earning a minor in Biology must take a minimum of 21 semester credit hours with a minimum of 12 at the upper level as follows.

- BIOL 1306 General Biology I 3 sch
- BIOL 1106 General Biology I Laboratory 1 sch
- BIOL 1307 General Biology II 3 sch
- BIOL 1107 General Biology II Laboratory 1 sch
- BIOL 4340 Genetics 3 sch (lab not required)
- BIOL 4342 Evolution 3 sch

### Choose Any Two Courses of the Following List as Electives

But no more than one course from each group of "or" choices, bearing in mind that any prerequisites to a choice must be met:

- BIOL 3300 Microbiology 3 sch
- BIOL 3101 Microbiology Laboratory 1 sch or
- BIOL 3324 Cell Biology 3 sch
- BIOL 3125 Cell Biology Laboratory 1 sch
  
- BIOL 3230 Botany 2 sch
- BIOL 3231 Botany Laboratory 2 sch or
- BIOL 3310 Invertebrate Zoology 3 sch
- BIOL 3111 Invertebrate Zoology Laboratory 1 sch or
- BIOL 3312 Vertebrate Zoology 3 sch
- BIOL 3113 Vertebrate Zoology Laboratory 1 sch
  
- BIOL 3350 Human Anatomy 3 sch
- BIOL 3151 Human Anatomy Laboratory 1 sch

- BIOL 3352 Human Physiology 3 sch
- BIOL 3153 Human Physiology Laboratory 1 sch
  
- BIOL 3372 Principles of Ecology 3 sch

## Business Minor

The Business minor gives the non-business student a broad-based background in the field. Non-business students wishing to gain an understanding of commercial ventures or pursue a Master of Business Administration (MBA) degree would be well served with this minor.

Students pursuing a Business minor must meet all prerequisites of courses included in the minor. See the course descriptions in the major area to ascertain the prerequisites for each course. At least 50% of upper level business credit hours in the minor must be taken at U.T. Permian Basin.

Economics majors pursuing a Business minor must take at least 6 additional credit hours of approved upper division business electives due to overlapping courses between their major and a Business minor (ECON 2301 & ECON 2302).

Business minors seeking preparation for a MBA degree should choose a management elective (course prefix MNGT) to meet the criteria to waive ACCT 6301, ECON 6301 and MNGT 6360 in the UTPB MBA program, reducing the MBA program requirements from 48 to 39 credit hours. The Graduate Catalog or Chair of Graduate Studies should be consulted for additional information about preparation for the MBA degree.

Students who are seeking a teaching field in Business Administration must choose and three hours from FINA 3320 or ECON 3322 and must complete COSC 1335. The Certification Officer should be consulted for additional information about preparation for teaching business administration.

### Minor Requirements (21 sch)

- ACCT 2301 Principles of Financial Accounting 3 sch
- ACCT 2302 Principles of Managerial Accounting 3 sch
- ECON 2301 Principles of Macroeconomics 3 sch
- ECON 2302 Principles of Microeconomics 3 sch
- MNGT 3310 Principles of Management 3 sch
- MRKT 3300 Principles of Marketing 3 sch

At least 3 credit hours of upper level Business courses approved by the Coordinator of Business Studies



## Chemistry Minor

The Chemistry minor provides an appropriate supporting background particularly suited for students typically pursuing a major in another area of science, technology, engineering, or math. This plan furnishes some knowledge about various fields of chemistry (inorganic, organic, etc.) and provides the essential analytical tools for other areas of study.

### Minor Requirements (Total: 21 total sch and $\geq 9$ UL sch)

The total semester credit hour requirement for a minor in Chemistry is 21 with at least 9 sch at the upper level. The Chemistry minor is specifically described by the following courses as taken at UTPB. Transfer students may be required to take the 1 sch upper level credit for CHEM 3114 Organic Chemistry Lab II, particularly if they have not had access to modern analytical instrumentation during their previous experience. Research in chemistry may not be substituted for any lecture or lab without written consent of the Chemistry chair.

#### Lower Level

- CHEM 1311 General Chemistry I 3 sch
- CHEM 1111 General Chemistry Lab I 1 sch
- CHEM 1312 General Chemistry II 3 sch
- CHEM 1112 General Chemistry Lab II 1 sch

#### Upper Level

- CHEM 3311 Organic Chemistry I 3 sch
- CHEM 3113 Organic Chemistry Lab I 1 sch
- CHEM 3312 Organic Chemistry II 3 sch
- CHEM 3114 Organic Chemistry Lab II 1 sch
- CHEM 3324 Analytical Chemistry I 3 sch

## **Child and Family Studies Minor**

### **Minor Requirements**

A minor in Child and Family Studies requires that the students take 18 semester credit hours. Twelve (12) of these credits must be upper level (junior or senior level) courses from within the Child and Family Studies major. The lower level hours can be satisfied by TECA courses, by EDUC courses that are part of the Associate of Arts in Teaching degree, or SOCI 1301 and/or PSYC 1301 .

## **Communication Minor**

Communication skills are an essential component of success in any field of endeavor, and the minor in Communication is an excellent companion to nearly any major offered at the University. The requirement for a minor in Communication is 18 semester credit hours in the discipline, of which 12 hours or more are upper level. No specific courses are required. COMM 1301 is recommended and COMM 1315 may be counted toward the minor. Students are encouraged to consult with any member of the Communication faculty to determine a program of study that would be most useful in meeting their professional goals.

# Computer Science Minor

## Minor Requirements (20/22 sch)

Students seeking a minor in computer science must complete the courses listed below, or equivalent courses as approved by a computer science advisor.

Faculty in Computer Science may allow transferred credits to count towards a major or a minor in Computer Science. The number of credit hours required, at the upper-level or in total, can not be reduced except by academic petition.

- COSC 1430 Introduction to Computer Science I 4 sch
- COSC 2430 Introduction to Computer Science II 4 sch
- COSC 2420 C Programming 4 sch or another course in a high level Language approved by the advisor
- COSC 3310 Digital Computer Organization 3 sch
- COSC 3315 Information Systems and Security 3 sch
- COSC 3xxx or COSC 4xxx (3/4) sch

## **Criminal Justice Minor**

A minor in CCJO consists of 18 hours of CCJO coursework (to include CCJO 2310) of which 12 must be at the upper-level. Criminology majors may not minor in CCJO.

## **Criminology Minor**

### **Minor Requirements**

A minor in Criminology consists of 18 hours of Criminology course work (to include CRIM 2336), of which 12 must be at the upper-level. Criminology majors may not minor in criminal justice online.

## **Economics Minor**

### **Minor Requirements (18 sch)**

- ECON 2301 Principles of Macroeconomics 3 sch
- ECON 2302 Principles of Microeconomics 3 sch
- ECON 4323 Intermediate Macroeconomics 3 sch
- Any additional approved Economics courses at the 3000 or 4000 level totaling 6 hours.

## Energy Studies Minor

### Minor Requirements

The total semester credit hours required for a minor in Energy Studies is 18 hours, of which at least 9 hours must be at upper level. Students are encouraged to consider taking more than the minimum hours and to diversify their choices among disciplines. Courses may be selected from those listed below. Note that a number of the courses have prerequisites that must be completed before enrolling in them. Additional courses under development may also be approved for the Energy Studies minor.

### Business Courses

- ACCT 4310 Oil and Gas Accounting 3 sch
- ECON 2301 Principles of Macroeconomics 3 sch
- ECON 2311 International Trade
- ECON 4333 Business and Economic History 3 sch
- FINA 3320 Principles of Finance 3 sch
- MNGT 3309 Energy Management 3 sch
- MNGT 3370 Business and Ethics 3 sch
- MNGT 4310 Management of Hydrocarbon-based Energy Enterprises
- MNGT 4324 Energy Law 3 sch

### Science Courses

- CHEM 1311 General Chemistry I 3 sch
- CHEM 1111 General Chemistry Lab I 1 sch
- CHEM 1312 General Chemistry II 3 sch
- CHEM 1112 General Chemistry Lab II 1 sch
- ENSC 1401 Environmental Science I
- ENSC 1402 Environmental Science II
- GEOL 1301 Physical Geology 3 sch
- GEOL 1101 Physical Geology Laboratory 1 sch
- GEOL 1302 Historical Geology 3 sch
- GEOL 1102 Historical Geology Laboratory 1 sch
- GEOL 3308 Sedimentology 3 sch
- GEOL 4317 Geology of the Permian Basin 3 sch

### Technology Courses

- PTEC 3301 Petroleum Fundamentals 3 sch
- PTEC 4303 Petroleum Production Technology

### Communication, History, and Social Science Courses

- HIST 3348 Post-War America 1945-present 3 sch
- HIST 4370 American Petroleum Industry 3 sch



- PLSC 4341 Environmental Policy 3 sch
- PLSC 4345 Public Policy 3 sch
- SOCI 4316 Energy and Society 3 sch

## **English Minor**

### **Minor Requirements (18 sch)**

The minor in English is composed of eighteen hours of study, at least twelve of which must be junior level or above. Freshman English courses are not included in the number of courses toward the minor. ENGL 3300 Theoretical Approaches to Literature is required of all students in the minor.

The student may select the remaining five courses according to her or his interests and goals, with the provisions that:

- one course must be in British Literature
- one course must be in American Literature
- and at least one course must be at the senior (4000) level.

## Entrepreneurship Minor

Business Discipline Specific minors are available for Accountancy, Finance, Management, and Marketing, and Entrepreneurship. Each minor gives the non-business student a specialized background in the selected field. At least 50% of upper level business credit hours in the minor must be taken at U.T. Permian Basin.

Students pursuing a Business Discipline Specific minor must meet all prerequisites of courses included in the minor, even if these prerequisites cause the minor coursework to exceed the number of credit hours listed below. See the course descriptions in the major area to ascertain the prerequisites for each course.

### Required Courses (15 sch)

- ACCT 1301 Accounting for Non-Business 3 sch  
Or
- ACCT 2301 Principles of Financial Accounting 3 sch
  
- BUSI 3335 Foundations of Entrepreneurship 3 sch
- ECON 2302 Principles of Microeconomics 3 sch
- MNGT 3310 Principles of Management 3 sch
- MRKT 3300 Principles of Marketing 3 sch

### Elective Course (3 sch)

- BUSI 4310 Raising Entrepreneurial Capital 3 sch
- MNGT 3318 Small Business Management 3 sch
- MNGT 3380 Managing Technology 3 sch
- MRKT 3306 Retailing and Distribution 3 sch
- MRKT 3307 Sales Management 3 sch
- MRKT 4302 E-Commerce 3 sch
- MRKT 4322 Social Media Marketing 3 sch

## Finance Minor

Business Discipline Specific minors are available for Accountancy, Finance, Management, and Marketing, and Entrepreneurship. Each minor gives the non-business student a specialized background in the selected field. At least 50% of upper level business credit hours in the minor must be taken at U.T. Permian Basin.

Students pursuing a Business Discipline Specific minor must meet all prerequisites of courses included in the minor, even if these prerequisites cause the minor coursework to exceed the number of credit hours listed below. See the course descriptions in the major area to ascertain the prerequisites for each course.

### Minor Requirements (18 sch)

- ACCT 2301 Principles of Financial Accounting 3 sch
- ECON 2302 Principles of Microeconomics 3 sch
- FINA 3320 Principles of Finance 3 sch
- 6 credit hours of approved upper level Finance courses

### Minor Requirements for Economics Majors (18 sch)

Economics majors selecting a Finance Minor must take

- ACCT 2301 Principles of Financial Accounting 3 sch
- FINA 3320 Principles of Finance 3 sch
- FINA 4323 Financial Markets, Institutions & Instruments 3 sch
- FINA 4325 Options and Futures 3 sch
- FINA 4327 Principles of Investments 3 sch
- 3 credit hours of approved upper level Finance courses.

## **Fine Arts Minor**

The Fine Arts minor allows for the exploration of the visual and performing arts to give students a broad based and diverse education in the fine arts.

### **Minor Requirements (18 sch)**

The requirements for the Fine Arts minor include a minimum of 18 semester credit hours as follows:

- ARTS 1301 Art Appreciation 3 sch
- MUSI 1306 Music Appreciation 3 sch

## **Geology Minor**

### **Minor Requirements (18 sch)**

- GEOL 1301 Physical Geology 3 sch
- GEOL 1101 Physical Geology Laboratory 1 sch
- GEOL 1302 Historical Geology 3 sch
- GEOL 1102 Historical Geology Laboratory 1 sch
- Ten additional upper level credit hours

## Graphic Design Minor

The Graphic Design minor is available to students who are enrolled in a Bachelor's degree at UTPB. The minor will serve non-art majors. This minor will provide an opportunity for students to learn the concepts, vocabulary and design elements necessary for graphic design.

### Lower Level Courses (12 sch)

- ARTS 1311 Two-Dimensional Design 3 sch
- ARTS 1316 Introduction to Drawing 3 sch
- ARTS 2348 Digital and Lens Imagery 3 sch
- ARTS 2358 Graphic Art: Typography 3 sch

### Upper Level Courses (9 sch)

- ARTS 3348 Graphic Design: Print 3 sch
- ARTS 4348 Graphic Design: Web 3 sch

**One of the courses listed below:**

- ARTS 3346 Digital Photography 3 sch
- ARTS 3360 Papermaking/Bookmaking 3 sch
- ARTS 4392 Internship 3 sch

## Healthcare Management Minor

### Requirements

The minor in Healthcare Management will provide knowledge in the unique business environment of the healthcare industry. Courses must be taken from the following:

#### Complete the Following (6 sch)

- ACCT 2301 Principles of Financial Accounting 3 sch
- MNGT 3310 Principles of Management 3 sch

#### Complete Four of the Following (12 sch)

- ACCT 4334 Accounting for Healthcare 3 sch
- ACCT 3334 Healthcare Management Information Systems 3 sch **Or**
- MNGT 3334 Healthcare Management Information Systems 3 sch
- FINA 4333 Healthcare Finance 3 sch
- MNGT 4331 Healthcare Management 3 sch
- MRKT 4335 Healthcare Marketing 3 sch
- MNGT 4336 Healthcare Law 3 sch
- A Special Topics course in a business discipline on a healthcare topic approved by the Dean.



## History Minor

A minor in history consists of 18 semester credit hours, 9 of which must be at the upper level. Students declaring history as a second teaching field must fulfill all requirements for the major in history.

### Minor Requirements (18 sch)

#### Lower Level (9 sch)

- HIST 1301 History of the United States to 1877 3 sch
- HIST 1302 History of the United States Since 1877 3 sch
- Any 2000-level (non-US) (3) sch

#### Upper Level (9 sch)

- History Any upper level (3) sch
- History Any upper level (3) sch
- History Any upper level (3) sch

## Kinesiology Minor

### Minor Requirements (22 sch)

A Kinesiology Minor may be obtained by successfully completing 22 semester credit hours in Kinesiology of which 13 must be upper level. **Students seeking a Bachelor Degree in Kinesiology or a Bachelor of Athletic Training must pass each course taken for the major, the minor, and all prerequisites for the courses in the Kinesiology degree plans with a grade of C or better.**

- KINE 1301 Concepts in Fitness and Health 3 sch
- KINE 2306 First Aid 3 sch
- KINE 2385 Anatomy and Physiology for Kinesiology 3 sch
- KINE 3340 Analysis of Human Movement 3 sch
- KINE 3350 Physiology of Exercise 3 sch
- KINE 3151 Lab: Exercise Physiology 1 sch
- KINE 4310 Sports Skill Analysis 3 sch
- KINE 4320 Psychology of Sport 3 sch or
- KINE 4350 Psychology of Exercise 3 sch or
- KINE 4340 Sociology of Sport and Physical Activity 3 sch or
- KINE 4325 Women and Sport

### Note

Physical activity and forms of movement courses, including those labeled KINE 1109-1134, KINE 1155-KINE 1159, KINE 1309, or KINE 1333 are encouraged, but do not count toward the 22 credit hour requirement.

## **Management Minor**

Students pursuing a B.B.A do not have the option of completing a minor. A minor in Management consists of a total of 18 sch.

### **Minor Requirements (18 sch)**

- MNGT 3310 Principles of Management 3 sch
- MNGT 3312 Human Resource Management 3 sch
- 12 additional approved hours of MNGT other than MNGT 4375

## Marketing Minor

Business Discipline Specific minors are available for Accountancy, Finance, Management, and Marketing, and Entrepreneurship. Each minor gives the non-business student a specialized background in the selected field. At least 50% of upper level business credit hours in the minor must be taken at U.T. Permian Basin.

Students pursuing a Business Discipline Specific minor must meet all prerequisites of courses included in the minor, even if these prerequisites cause the minor coursework to exceed the number of credit hours listed below. See the course descriptions in the major area to ascertain the prerequisites for each course.

### Minor Requirements (18 sch)

- MRKT 3300 Principles of Marketing 3 sch
- MRKT 3315 Consumer Behavior 3 sch
- ECON 2302 Principles of Microeconomics 3 sch
- 3 Upper Level MRKT courses

## Mathematics Minor

### Minor Requirements (20-21 sch)

Students minoring in Mathematics must have at least 9 credit hours at the upper level and at least 20 credit hours total, as minor electives. Faculty in Mathematics may allow transferred credits to count towards a minor in Mathematics.

#### Lower Level

- MATH 2413 Calculus I 4 sch
- MATH 2414 Calculus II 4 sch

#### Upper Level

- MATH 3305 Mathematical Reasoning 3 sch

#### One from the following

- MATH 2415 Calculus III 4 sch
- MATH 3320 Differential Equations 3 sch
- MATH 3301 Introduction to Probability I 3 sch
- MATH 4360 Theory of Real Analysis 3 sch

#### One from the following

- MATH 3310 Linear Algebra 3 sch
- MATH 4315 Algebraic Structures 3 sch
- COSC 3312 Discrete Mathematics 3 sch

#### One more upper level math class (3 sch)

- MATH 3xxx or MATH 4xxx

## **Mexican-American/Chicano Studies Minor**

The undergraduate minor in Mexican-American/Chicano Studies is an interdisciplinary program which will introduce students to the study of the Mexican-American/Chicano experience. The combined courses will explore topics such as Chicano history, politics, immigration, literature, art, and issues of race/ethnicity.

### **Minor Requirements**

Students will complete 18 credit hours as described below with no more than nine in any discipline.

### **The Remaining Courses are to be Chosen from the Following:**

#### **Arts**

- ARTS 3305 Modern Hispanic Art and Its Foundation 3 sch

#### **Education**

- EDUC 4329 First and Second Language Acquisition 3 sch
- EDUC 4336 Issues of Multilingualism 3 sch

#### **English**

- ENGL 3306 American Multicultural Fiction 3 sch

#### **History**

- HIST 3359 Studies in Mexican-American History 3 sch

#### **Spanish**

- SPAN 3312 Spanglish
- SPAN 4351 Mexican Literature 3 sch
- SPAN 4352 Mexican-American Literature 3 sch

## Multicultural Studies Minor

### Minor Requirements

Students will choose 18 hours from the following courses. SOCI 4320 is required.

It is also recommended that students take:

- No more than 3 hours in the major discipline
- No more than 6 hours of lower level courses
- No more than 6 hours from any one discipline

**The Spanish courses have prerequisites which require fluency in the language. Please see the course descriptions in the Spanish section of this catalog for specific prerequisites. This may apply to other courses as well.**

- ARTS 2340 Art History Survey I
- ARTS 2341 Art History Survey II
- ARTS 3300 Cross Cultural Art History
- ARTS 3301 Women Artists I 3 sch
- ARTS 3303 American Art I 3 sch
- ARTS 3305 Modern Hispanic Art and Its Foundation 3 sch
- ARTS 4302 History of African American Art 3 sch
- EDUC 3322 Literature in the Classroom 3 sch
- ENGL 3306 American Multicultural Fiction 3 sch
- ENGL 3325 American Women Playwrights
- ENGL 3335 American Women Novelists 3 sch
- HIST 3326 19th-Century Europe 3 sch
- HIST 3355 Slavery in America 3 sch
- HIST 3381 Modern China 3 sch
- HIST 4307 South Africa 3 sch
- HIST 4336 Third Reich and Holocaust 3 sch
- HIST 4366 The Civil Rights Movement 3 sch
- MNGT 4320 International Management 3 sch
- PSYC 3311 Social Psychology 3 sch
- PSYC 3341 Child/Adolescent Psychology 3 sch
- PSYC 4307 Health Psychology 3 sch
- PSYC 4381 Gender Studies 3 sch
- SOCI 4317 Women's Studies 3 sch
- SOCI 4320 Social Stratification 3 sch
- SOCI 4370 Family Dysfunction and Substance Abuse 3 sch
- SPAN 3311 Practical Spanish and Translation 3 sch
- SPAN 3321 Hispanic Civilization 3 sch
- SPAN 4301 Spanish Literature I 3 sch
- SPAN 4311 Spanish-American Literature I 3 sch
- SPAN 4351 Mexican Literature 3 sch
- SPAN 4352 Mexican-American Literature 3 sch

## Music Minor

Students in a degree program majoring in another department at UTPB may concurrently earn a minor in Music. A minimum of 18 hours of music courses must be completed with a minimum of six hours in each of the three categories listed below. Note that three semesters of a major ensemble and four semesters of Recital Attendance are required for all music minors.

### Minor Requirements (18 sch)

- A minimum of 18 hours of music courses must be completed. A minimum of 9 credits must be upper division courses.
- Music courses are any course with the MUEN, MUAP, MUED, or MUSI prefix.
- A minimum of 9 hours must be completed at UTPB
- A maximum of 8 total sch courses with a MUEN prefix may be applied toward the total.



## Physics Minor

A minor in physics requires 19 semester credit hours.

### Required Courses (17 sch)

- PHYS 2125 University Physics I Laboratory 1 sch
- PHYS 2126 University Physics II Laboratory 1 sch
- PHYS 2325 University Physics I 3 sch
- PHYS 2326 University Physics II 3 sch
- PHYS 3310 Modern Physics 3 sch
- PHYS 4324 Computational Methods for Scientists and Engineers 3 sch
- PHYS 4326 Sensors & Measurement 3 sch

### Additional Credit Hours (2 sch)

- PHYS 3695 Introduction to Physics Research 1-3 sch
- PHYS 4389 Special Topics in Physics 3 sch

## **Political Science Minor**

The purpose of the minor in political science is to provide students with some depth in a secondary field of study in American government and politics. Students will also have the option of taking courses in comparative and international politics which will give them a global perspective. A minor in political science will give students a basic knowledge of political systems and how institutions of government operate to solve social and political problems.

### **Minor Requirements (18 sch)**

- PLSC 2305 American National Politics 3 sch
- PLSC 2306 State and Local Politics 3 sch
- 12 hours of upper-level political science courses (12) sch

## Popular Culture, Minor

The minor allows the student to develop their knowledge of the complex processes involved in learning to look at the world creatively and critically. The Popular Culture minor is appropriate for students who are engaged in arts education, policy development, community partnerships, creative thinking, research, and advocacy. Students will learn to identify the need for community engagement and outreach through community non-profits, schools, criminal justice systems, ceremonial and religious practices, racial and ethnic organizations, military groups, mental health services, ecological resources, and others.

### Required Courses (9 sch)

- ARTS 1303 Art History Survey I 3 sch
- ARTS 1304 Art History Survey II 3 sch
- SOCI 1301 Introduction to Sociology 3 sch

### Elective Courses (9 sch)

Choose three of the following Junior/Senior level electives.

- ARTS 3301 Women Artists I 3 sch
- ARTS 3302 Women Artists II 3 sch
- ARTS 3305 Modern Hispanic Art and Its Foundation 3 sch
- ARTS 4301 Art since 1940 3 sch
- ARTS 4302 History of African American Art 3 sch
- ARTS 4304 History of Nineteenth Century Art 3 sch
- ENGL 3332 Literature and Art 3 sch
- ENGL 3333 Literature & Mythology 3 sch
- SOCI 3351 Music in Society 3 sch
- SOCI 4352 Culture and Society 3 sch
- SOCI 4353 Art in Community 3 sch
- SOCI 4389 Selected Topics 3 sch
- SOCI 4394 Independent Research in Sociology 3 sch

## Psychology Minor

A minor in psychology supports students who are interested in broadening their knowledge of human behavior and mental processes. This can be of great value in business, teaching, government, health and human service careers.

### Minor Requirements

- The total credits required for a minor in Psychology is **18**
- 12 of the 18 credits required must be upper level (3000 or 4000).
- PSYC 1301 Introduction to Psychology is required; however, if prerequisites are met, the student may choose any of the other psychology courses to fulfill the minor in psychology.

## **Public Health Minor**

### **Required Courses (15 sch)**

- PUBH 1301 Essentials of Public Health 3 sch
- PUBH 2301 Essentials of Global Health 3 sch
- PUBH 2330 Essentials of Health Behavior and Health Promotion 3 sch
- PUBH 3330 Essentials of Health Policy and Law 3 sch

### **Electives (3 sch)**

Choose 1

- SOCI 4362 Sociology of Health and Illness 3 sch

## Reading Minor

Administered by the Department of Curriculum and Instruction within the College of Education. The Reading Minor allows the student to develop his or her knowledge of the complex processes involved in learning to read and write. The Reading minor is appropriate for prospective teachers seeking to strengthen their background preparation in this critical area. The courses offer students opportunities to work in a variety of contexts with readers at different developmental levels, from diverse linguistic, cultural, and socioeconomic backgrounds.

## Minor Requirements

The total semester credit hours required for a minor in Reading is 18. At least 12 of the credit hours must be at the upper level.

A student must be admitted to the Teacher Education Program before enrolling in the courses designated with an asterisk (\*).

### Choose one of the following courses

- EDUC 3322 Literature in the Classroom 3 sch
- EDUC 4323 Adolescent Literature in the Classroom 3 sch

### Choose four of the following courses

- EDUC 4313 Emergent Literacy 3 sch
- EDUC 4315 Cognition and Biliteracy 3 sch \*
- EDUC 4324 Reading Development in Primary Grades 3 sch \*
- EDUC 4325 Reading in the Middle Grades 3 sch \*
- EDUC 4326 Reading in the Content Areas 3 sch \*
- EDUC 4336 Issues of Multilingualism 3 sch \*
- EDUC 4371 Teaching English Language Arts: Grades 7-12 3 sch \*
- EDUC 4373 Teaching Language Arts and Social Studies: EC-6 3 sch \*
- EDUC 4375 Teaching English Language Arts and Social Studies: Grades 4-8 3 sch \*

### Required course

- EDUC 4327 Literacy Assessment and Intervention 3 sch \*

## Social Work Minor

Students who minor in Social Work learn a great deal about our society, its problems, its values, and its responses to needs. Students are better informed as citizens, and they are prepared to work intelligently to make our society better. The Social Work minor seeks to enhance students' understanding of social policy and give students a basic understanding of social work practice. The Social Work minor, however, does not prepare students to be professional social workers or to seek state licensure as social workers.

## Minor Requirements

The Social Work minor requires completion of 18 semester credit hours in SOWK courses. The minor requires the following three courses (9 sch):

- SOWK 2361 Introduction to Social Work 3 sch
  
- SOWK 2320 Social Welfare Policies and Issues 3 sch **Or**
- SOWK 3320 Social Policy Analysis 3 sch
  
- SOWK 3324 Ethics & Values in Social Work 3 sch
- The student may choose the remaining 9 sch from the social work course offerings, except for the field placement courses, which may be taken only by Social Work majors.

## **Sociology Minor**

### **Minor Requirements (18 sch)**

Requirements for a minor in Sociology are 18 semester credit hours of which 12 credits must be junior or senior level courses. SOCI 1301, Introduction to Sociology is required.



## Spanish Minor

### Minor Requirements

Students will elect to either Latin American Literature, Spanish Literature, or Spanish Linguistics.

### Core Courses

- SPAN 3301 Advanced Grammar and Syntax 3 sch
- SPAN 3302 Advanced Composition and Conversation 3 sch
- SPAN 3308 Introduction to Hispanic Literature and Literary Analysis 3 sch
- SPAN 3310 Introduction to Spanish Linguistics 3 sch

### Latin American Literature

Students electing to continue in Latin American Literature will take two (2) additional courses to be chosen from:

- SPAN 4311 Spanish-American Literature I 3 sch
- SPAN 4351 Mexican Literature 3 sch
- SPAN 4352 Mexican-American Literature 3 sch
- SPAN 4389 Selected Topics 3 sch

### Spanish Literature

Students electing to continue in Spanish Literature will take two (2) additional courses to be chosen from:

- SPAN 4301 Spanish Literature I 3 sch
- SPAN 4360 Spanish Golden Age Literature 3 sch
- SPAN 4361 Cervantes' Don Quixote 3 sch
- SPAN 4389 Selected Topics 3 sch

### Spanish Linguistics

Students electing to continue in Spanish Linguistics will take two (2) additional courses to be chosen from:

- SPAN 4331 Spanish Phonetics and Phonemics 3 sch or related courses.

## Special Populations Minor

Administered by the Department of Curriculum and Instruction within the College of Education. The Special Populations Minor provides insight and understanding into the world of exceptional children, especially primary and secondary school students.

### Minor Requirements

The total semester hours for the minor in Special Populations is 18 credit hours. At least 9 of the credit hours must be at the upper level

#### Required Courses:

- PSYC 1301 \*
- PSYC 3341 \* or CHLD 3341\*
- PSYC 3344 \*

\*If these courses are used for credit in a student's major, they may not also be used for credit in the minor, and additional courses must be selected from the listing below.

- CRIM 3365 Juvenile Delinquency and Justice 3 sch
- EDUC 3352 The Exceptional Child 3 sch Or CHLD 3352 Or PSYC 4341
- EDUC 4310 Early Intervention 3 sch Or CHLD 4310
- EDUC 4352 Collaborative Teaching and Inclusive Practices 3 sch
- EDUC 4356 Behavior Management 3 sch
- KINE 3310 Motor Development 3 sch Or CHLD 3310
- KINE 3330 Physical Activity for the Disabled 3 sch
- PSYC 3303 Principles of Learning 3 sch
- PSYC 4311 Cognitive Psychology 3 sch
- SOCI 4320 Social Stratification 3 sch Or CHLD 4320

## Statistics and Analytics, Minor

The minor is for students who want to study a significant amount of statistics and probability at the upper-division level. This knowledge will assist them in applying proper methods to accurately collect data, employ accurate analysis, and effectively present their results.

### Required Courses (20 sch)

- MATH 2413 Calculus I 4 sch
- MATH 2414 Calculus II 4 sch
- STAT 2301 Introductory Statistics I 3 sch
- STAT 2302 Introductory Statistics II 3 sch
- STAT 3301 Applied Continuous Probability 3 sch
- MATH 3310 Linear Algebra 3 sch

### Elective (3 sch)

Choose one

- STAT 4301 Stochastic Process 3 sch
- STAT 4310 Nonparametric Statistical Methods 3 sch
- STAT 4311 Applied Regression Analysis 3 sch

## Women's Studies Minor

The Women's Studies Minor allows the student who selects it to explore currently and historically the cultural, political and socio-economic status of women. Consult with the College of Arts and Sciences for a list of faculty advisors.

### Minor Requirements

The total semester credit hours required for a minor in Women's Studies is **18**.

SOCI 1301 and SOCI 4317 are required; students must take another 12 hours of coursework distributed among the academic fields offering classes. No more than two courses may come from any area. Courses in the student's major area are excluded from her/his minor choices, except for Sociology majors enrolled in SOCI 1301 and SOCI 4317.

Students choose from the following courses to complete their coursework.

#### Art

- ARTS 3301 Women Artists I 3 sch
- ARTS 3302 Women Artists II 3 sch

#### English

- ENGL 3332 Literature and Art 3 sch
- ENGL 3325 American Women Playwrights
- ENGL 3335 American Women Novelists 3 sch
- ENGL 3352 Eighteenth-Century Women Poets 3 sch

#### History

#### Kinesiology

- KINE 4325 Women and Sport

#### Leadership Studies

#### Psychology

- PSYC 4381 Gender Studies 3 sch

#### Sociology

- SOCI 1301 Introduction to Sociology 3 sch
- SOCI 4317 Women's Studies 3 sch
- SOCI 4370 Family Dysfunction and Substance Abuse 3 sch