A. 22 semester credit hours of required interdisciplinary studies courses
   - IDS 2023 Introduction to learning and Teaching in a Culturally Diverse Society
   - IDS 2403 Physical Science
   - IDS 2403 Earth Systems Science
   - IDS 3001 Advanced Physical Sciences Laboratory
   - IDS 3211 Advanced Earth Systems Science Laboratory
   - SPE 3613 Introduction to Exceptionality
   - SPE 3803 Introduction to Exceptionality

B. 30 semester credit hours of required support courses
   - BIB 3623 Reading Comprehension (6 credit hours assigned to BIB 4603)
   - COM 1543 Introduction to Communication
   - CDE 2043 Child Development and Assessment
   - CDS 3333 Learning in the Early Elementary Content EC–4
   - CDS 2103 Social Foundations for the Education of Diverse Populations
   - MAT 1153 Essential Elements in Mathematics I
   - MAT 1163 Essential Elements in Mathematics II
   - MAT 1203 Calculus Concepts and Applications
   - MAT 1303 Introduction to Calculus
   - MAT 1403 Introduction to Calculus
   - MAT 1423 Introduction to Calculus
   - MAT 1503 Calculus Concepts and Applications
   - MAT 2303 Introduction to Calculus
   - MAT 2403 Calculus Concepts and Applications
   - MAT 3303 Introduction to Calculus

C. 6 semester credit hours from the following:
   - SPN 2513 Spanish for Special Purposes
   - SPN 3003 Oral and Written Expression
   - SPN 3033 Oral Communication Skills

   *Students must complete two of the listed courses with a grade of C or higher. Grades of "CR" received from a Challenge Examination of a UTSA course or College-Level Examination Program (CLEP) will not be accepted.

Certification Requirements (62 semester credit hours)
Texas Success Initiative requirements must be satisfied to be enrolled in Certification, Professional Education and Student Teaching coursework. Please refer to the 2006–2008 undergraduate catalog for course details.

BACHELOR OF ARTS IN INTERDISCIPLINARY STUDIES (Grades 4–8 ESL Generalist Certification Concentration)

The minimum number of semester credit hours required for the interdisciplinary studies degree with grades 4–8 ESL generalist certification is 132, at least 39 of which must be at the upper-division level.

BACHELOR OF ARTS IN INTERDISCIPLINARY STUDIES (Grades 4–8 ESL Generalist Certification Concentration)

The minimum number of semester credit hours required for the interdisciplinary studies degree with grades 4–8 ESL certification is 135–138, at least 39 of which must be at the upper-division level.

Area 1: Reading (32 semester credit hours)
   - Reading 3503 Reading for Teachers—Grades 4–8 (4 credit hours)
   - RDG 3523 Reading for Teachers—Grades 4–8
   - RDG 3533 Content Area Reading—Grades 4–8
   - RDG 4733 Literacy Problems—Grades 4–8

Area 2: Language Arts (18 semester credit hours)
   - English 2003 Multicultural Literatures of the United States
   - English 2013 Theory and Practice of Composition
   - English 3103 Mexican American Literature

Area 3: Social Studies (18 semester credit hours)
   - Government 2023 World Regional Geography

Certification Requirements (112 semester credit hours)
Texas Success Initiative requirements must be satisfied to be enrolled in Certification, Professional Education and Student Teaching coursework. Please refer to the 2006–2008 undergraduate catalog for course details.

1. Department of Modern Language and Literatures
   - SPN 2003 Spanish for Elementary Education
   - SPN 2513 Spanish for Special Purposes
   - SPN 3003 Oral and Written Expression

   *Students must complete two of the listed courses with a grade of C or higher. Grades of "CR" received from a Challenge Examination of a UTSA course or College-Level Examination Program (CLEP) will not be accepted.

Certification Requirements (102 semester credit hours)
Texas Success Initiative requirements must be satisfied to be enrolled in Certification, Professional Education and Student Teaching coursework. Please refer to the 2006–2008 undergraduate catalog for course details.

The interdisciplinary studies program allows students to broadly study various fields of academics such as English, math, science and others. The program is geared toward students who want to teach in elementary and secondary education. The program is also useful for students who want to pursue a graduate degree.
Within the Department of Interdisciplinary Learning and Teaching, interdisciplinary studies majors who wish to obtain certification for teaching in their field must complete at least the following courses:...

**BACHELOR OF ARTS IN INTERDISCIPLINARY STUDIES (degree-only concentration)**

The minimum number of semester credit hours required in this interdisciplinary studies degree is 120, at least 30 of which must be at the upper-division level. The interdisciplinary studies degree concentration is not intended for students who plan to obtain teacher certification. Students who complete the interdisciplinary studies degree-concentration and then desire to return to UTSA for teacher certification must complete remaining requirements of the interdisciplinary studies degree with teacher certification.

**Areas of Specialization**

(30–40 semester credit hours)

Two following areas of specialization (30–40 semester credit hours) must be specializations as decided by the advisor and Certification Center. Students are encouraged to select their area of specialization as early in their program as possible. Listed courses are required unless a choice has been given or unless specifically indicated. Electives should be approved by an academic advisor before enrollment.

**Act**
- 36 semester credit hours: ART 1003, 1023, ART 2103, ART 2213, ART 4203, and ART 4223.
- 21 semester credit hours: BIO 1113, BIO 1114, BIO 2023, and BIO 3023.
- 8 semester credit hours: CHM 1013, CHM 1014, CHM 2013, CHM 2014, and CHM 3013.
- 5 semester credit hours: CHEM 1103, CHEM 1113, CHEM 1122, CHEM 1132, PHY 1903, PHY 1911, IDS 2403, and IDS 3201.

**English**
- 21 semester credit hours: ENG 1313, 1314, 2314, 2324, 3313, 3314, 4313, and 4314.
- 3 semester credit hours: ENG 2314.

**Earth Science**
- 30 semester credit hours: GEO 1013, 1023, 2013, 2023, 2033, 2043, 2053, 2063, 2073, 2083, 2093, 2103, 2113, 2123, 2133, 2143, 2153, 2163, 2173, 2183.

**French**
- 24 semester credit hours: FREN 1013, 1023, 2013, 2023, 2033, 2043, 2053, 2063, 2073, 2083, 2093, 2103, 2113, 2123, 2133.

**German**
- 24 semester credit hours: GER 1103, 1104, 2103, 2104, 3003, 3004, 3103, 3104, 4003, 4004, 4103, 4104, 4203, 4204.

**Mathematics**
- 24 semester credit hours: MATH 1203, 1204, 2303, 2304, 3303, 3304, 4303, 4304, 4513, 4514, 4523, 4533.

**Science**
- 24 semester credit hours: CHEM 1103, 1113, 1122, 1132, PHYS 1313, PHYS 1314, PHYS 2313, PHYS 2314, PHYS 3313, and PHYS 3314.

**Sociology**
- 24 semester credit hours: SOC 1313, 1314, 2313, 2323, 2333, 2343, 2353, 2363, 2373, 2383, 2393, 3313, 3323, 3333, 3343, 3353.

**Spanish**
- 24 semester credit hours: SPN 1303, 1304, 2303, 2304, 3303, 3304, 4303, 4304.

**Writing**
- 3 semester credit hours: ENG 2314.

**Certification Requirements (20 semester credit hours)**

Students must be admitted to the Teacher Certification Program before enrollment in Certification, Professional Education, and Student Teaching coursework. Please refer to the 2006-2008 undergraduate catalog for course details.

**BACHELOR OF ARTS IN INTERDISCIPLINARY STUDIES (Grades 4–8 Language Arts/Reading/Social Studies Certification Concentration)**

The minimum number of semester credit hours required for the interdisciplinary studies degree with grades 4–8 Language Arts/Reading/Social Studies certification is 120, at least 30 of which must be at the upper-division level. The interdisciplinary studies degree concentration is not intended for students who plan to obtain teacher certification. Students who complete the interdisciplinary studies degree-only concentration and then decide to return to UTSA for teacher certification must complete remaining requirements of the interdisciplinary studies degree with teacher certification.

**Certification Requirements (20 semester credit hours)**

Students must be admitted to the Teacher Certification Program before enrollment in Certification, Professional Education, and Student Teaching coursework. Please refer to the 2006-2008 undergraduate catalog for course details.

**BACHELOR OF ARTS IN INTERDISCIPLINARY STUDIES (Grades 4–8 Mathematics/Science Certification Concentration)**

The minimum number of semester credit hours required for the interdisciplinary studies degree with grades 4–8 Mathematics/Science certification is 120, at least 30 of which must be at the upper-division level. The interdisciplinary studies degree concentration is not intended for students who plan to obtain teacher certification. Students who complete the interdisciplinary studies degree-only concentration and then decide to return to UTSA for teacher certification must complete remaining requirements of the interdisciplinary studies degree with teacher certification.

**Certification Requirements (20 semester credit hours)**

Students must be admitted to the Teacher Certification Program before enrollment in Certification, Professional Education, and Student Teaching coursework. Please refer to the 2006-2008 undergraduate catalog for course details.