

Division of Education

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West Texas A&M University is accredited by the State Board for Educator Certification to prepare elementary teachers, secondary teachers and school service personnel at the undergraduate and graduate level. The University is also a member of the American Association for Colleges of Teacher Education.

The Division of Education faculty is dedicated to providing a comprehensive post-secondary educational program designed to produce graduates who are well prepared for future roles as educational leaders of the young people of our society. We believe that, as teachers, we exert a significant influence on society and, therefore, must be prepared to serve as models as well as instructors. Recognizing that teaching is an ever-changing science, we use successful educational principles of the past and research data from the present to prepare students to teach in an ever-evolving society. This requires not only that graduates demonstrate knowledge of material pertinent to their designated area of interest but also that they be encouraged to be creative thinkers and creative “doers” who employ interpersonal, organizational and motivational skills.

The purpose of teacher education at WTAMU is to prepare professional educators who are academically and technically proficient, reflective in practice, committed to intellectual empowerment of others and guided by the larger democratic purposes of American education.

Upon completion of the program, students shall:

1. Possess attributes of an effective educational leader.
2. Be able to create a model of teaching related to their individual knowledge base, personality and perspective rather than accepting existing models of teaching.
3. Be grounded in a broad array of current research and theoretical principles combined in unique ways to meet needs of individual students.
4. Have an understanding of professional and ethical practices governing education.
5. Have an understanding of societal factors that affect students' academic and social performance.
6. Have an understanding of available resources in the community that will augment the educational process.

The teacher education program is University-wide in scope, each individual department making its contribution to the program. The director of teacher education is the administrative officer of the University who is immediately responsible for the teacher education program. The director is chairman of the Teacher Education Unit, composed of faculty members chosen from the four colleges of the University. The Unit has the responsibility for

approval of the teacher education curricula of the University and approval of admissions criteria to the teacher education program.

University Core Curriculum Requirements

Refer to the “University Core Curriculum” section of this catalog.

Basic Program Requirements

Admission Requirements

The state of Texas establishes standards for teacher education programs. All certification programs at West Texas A&M University are in compliance with these requirements. Students must meet state, University, college and department/program requirements for acceptance into the Teacher Education Program. Students are responsible for contacting the Office of the College of Education and Social Sciences (Old Main, Room 410) to obtain information about specific requirements in major and program areas.

Requirements for admission to teacher education include:

Requirements for Conditional Admission into the Teacher Education Program (TEP) and Enrollment in EDPD 3340 or EPSY 3341

1. Passing scores or exemptions based on one of the following:
 - THEA (TASP) scores of R230, W220, M230.
 - Accuplacer scores of Reading Skills, 78; Elementary Algebra, 63; Written Essay, 6, or Written Essay, 5/ Sentence Skills, 80.
 - PPST scores of R172, W173, M171.
 - Stanford Achievement Test (only for deaf students) scores of R29, M66, Language 37 and Study Skills 19.
 - American College Test (ACT)—composite score of 23 with English and Math 19*.
 - Scholastic Achievement Test (SAT) combined score of 1070 with verbal and math 500*.
 - Texas Assessment of Academic Skills (TAAS) exit level—Reading TLI of X89 or higher, math TLI X86, Writing 1770*.
 - “B” Rule for Reading and Writing, “C” Rule for Mathematics—course must have been earned within the five-year period prior to admission into the program.
2. Overall grade point average of 2.50 on all course work attempted (transcripts from all entities attended)

*Scores of ACT or SAT must have been achieved no more than five years prior to, and TAAS scores no more more than three years prior to, the individual's application for admission into the Teacher Education Program.

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Requirements for Full Admission into and Retention in the Teacher Education Program

1. An approved degree plan (or certification plan for post-baccalaureate students) and a completed application for Admission to Teacher Education.
2. Grade point averages:
 - Overall 2.50 GPA on all work attempted at all universities attended.
 - Overall 2.50 GPA on all course work attempted at WTAMU.
 - Completion of ENGL 1301 and 1302 with grade of “C” or better (or CLEP credit).
 - Completion of SCOM 1315 or 1321 with grade of “C” or better.
 - Successful completion of MATH 1314, 1324 or math course for which MATH 1314 or 1324 is a prerequisite or CLEP credit.
 - Students must obtain a 2.5 GPA in the first six hours of foundation courses (EDPD 3340 and EPSY 3341, no grade lower than “C” will be accepted).
 - GPA of 2.50 in each secondary/all-level teaching field or elementary EC-4 or 4-8 Teaching Field.
 - GPA of 2.50 on all professional development course work.
 - THEA (TASP) Reading score of 260 or above, or Accuplacer Reading score of 98 or above, no exceptions.

NOTE: No grades of “D” will be accepted in student’s teaching field, elementary subject concentration or professional development course work.

3. Successful completion of:
 - Personal interview—conducted during EDPD 3340.
 - Critical-thinking appraisal during EDPD 3340.
4. Approval of the Teacher Certification Office based on the recommendations of faculty in student’s teaching field(s) or areas of specialization.

NOTE: Students are allowed to enroll in EPSY 3341 prior to admission. Admission must be attained prior to registration in method courses.

Retention in the Teacher Education Program

1. Retain grade point averages as required for admission.
2. No “D”s accepted in professional education courses or teaching fields.
3. A performance assessment team will monitor continuous performance assessments by faculty. Retention in the Teacher Education Program will be contingent on satisfactory appraisals.
4. If a student fails to maintain admission requirements, the student will be placed on probationary status in the program. If the deficiency is not corrected by the end of the probationary semester, the student will be removed from the program. Students on probationary status may not enroll in further professional education course work. If removed from the program, the student must apply for admission when eligible.

NOTE: Under some circumstances, a student may be withdrawn from the Teacher Education Program. The withdrawal may be initiated by the Division of Education or by the student. Due process will be observed. (See the *West Texas A&M University Code of Student Life*.)

Requirements for Enrollment in Professional Development Methods

1. Full admission in the Teacher Education Program.
2. Student must be eligible for student teaching (or internship) the following fall or spring semester (or have written approval of Advisement Center).

Requirements for Enrollment in Student Teaching (or Internship)

1. Full admission in the Teacher Education Program.
2. Students must be eligible for student teaching (or internship) the following fall or spring semester (or have written approval of the Advisement Center).
3. A minimum of 45 clock hours of field experience must be completed prior to student teaching. Students will also complete an “August Experience” (five days) by attending one or two teacher-preparation days and the first three or four days of school in August if student teaching during the fall or spring semester of an academic year.
4. Grade point averages required prior to assignment and certification recommendation to State Board for Educator Certification:
 - 2.5 GPA—Overall, each teaching field or concentration, and professional education courses.
NOTE: No grade lower than “C” is accepted in a teaching field, subject concentration or professional education course.
 - 2.0 GPA—required English
Note: Admission to Teacher Education Program requires a grade of “C” or better in ENGL 1301 and 1302.
 - 2.5 GPA—Overall at WTAMU.
5. Student must have completed the following course work:
 - Secondary
 - All professional education course work.
 - Must lack no more than one course in each teaching field.
 - Must lack no more than 15 semester hours on completion of degree/deficiency plan program (excluding student teacher courses).
 - All-Level
 - All professional education course work.
 - Must lack no more than two courses in each teaching field.
 - Must lack no more than 15 semester hours on completion of degree/deficiency plan program (excluding student teacher courses).

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- Elementary
 - All professional education course work.
 - Must lack no more than two courses in interdisciplinary course work and one course in subject concentration.
 - Must lack no more than 15 semester hours on completion of degree/deficiency plan program (excluding student teacher courses).
- Supplemental Certification
 - All professional education course work.
 - Must have completed at least six hours toward a nine-hour supplemental certificate, nine hours toward a 12-hour supplemental certificate or 12 hours toward an 18-hour supplemental certificate.

Requirements for Receipt of ExCET/TeES Bar-Code Label

1. Departmental approval or
2. Successful completion of teacher preparation program.

Certificate Information

Effective Sept. 1, 1999, a standard certificate with required renewal will be issued by the State Board for Educator Certification when all certification requirements have been completed. The certificate gives a teacher legal authority to perform duties in public schools of Texas in specialized area(s) designated on the face of the certificate.

- Since teacher education standards are subject to change by the Legislature and State Board for Educator Certification, students are not guaranteed to be able to finish under the requirements listed in the catalog at the time they began. A student who has not attended the University for two long semesters or who has not completed his or her program within five years of initiation of degree plan will need to have a new degree plan prepared. Consult advisers often for an update on state requirements.
- A student working to meet requirements for the standard certificate must meet requirements for the appropriate bachelor's degree as set forth in this catalog. Student teaching must be completed in residence at an approved/accredited school site.
- WTAMU may admit to a special program and recommend for initial Texas teacher certification persons who possess at least a bachelor's degree from a regionally accredited institution and who meet specific qualifications. Degreed individuals wishing to gain initial Texas teacher certification through the post-baccalaureate program should contact the assistant director of teacher certification in Old Main, Room 424, (806)651-2668.
- The Panhandle Alternative Certification for Educators (PACE) program is an alternative teacher certification program designed for persons who have completed a baccalaureate degree and who have a record of work and life experience that would be appropriate to enhancement of the teaching and learning processes in the public school

classroom. See the "Graduate School" section of this catalog for additional information on the program.

- An individual applying for certification must have six semester hours of course work in each teaching field or subject concentration and six semester hours in professional education (other than student teaching) within a six-year period of application.
- No student will be recommended for certification until the student has been admitted to the WTAMU Teacher Education Program. Any student who does not complete a degree and certification plan within five years or who changes to another degree plan or graduates through another college will be dropped automatically from teacher education. The student must reapply for admission into teacher education and must complete all current entry requirements.
- Any student who drops or fails student teaching is dropped automatically from the program and must reapply for entrance into teacher education. The student will be required to appear before an appeals committee which must approve the application before the student may be readmitted.
- Any student currently employed as an educational aide while pursuing initial certification should ask for aide information, Old Main, Room 424.
- Admission to West Texas A&M University is not admission to teacher education. Admission to teacher education is based on standards approved by the Teacher Education Unit at the time the student is seeking admission to teacher education. Before being recommended for a teaching certificate, the student must pass the appropriate Examination for Certification of Educators in Texas (ExCET) and/or Texas Examination of Educator Standards (TeES) tests.
- Upon completion of the undergraduate program, students must make application for the degree with the office of the dean. See the "Requirements for Baccalaureate Degrees" section of this catalog.

Discipline	Course Prefix
Early Childhood	EDEC
Educational Administration	EDAD
Educational Psychology	EPSY
Elementary Education	EDEL
Generic Special Education	EDSP
Instructional Technology	EDT
Professional Development	EDPD
Reading	EDRD
Secondary Education	EDSE
NOTE: See the "Academic Courses and Abbreviations" and "Course Descriptions" sections of this catalog for a complete list of courses offered by the University.	

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Description of the Program

University Core Curriculum

46 semester hours (choose elementary or secondary/all-level).

University Core Curriculum, Plus Teaching Specializations and Teaching Fields (48–52 semester hours)

EC–4 and Grades 4–8

Interdisciplinary requirements—36–42 hours plus a concentration selected from:

- EC–4 Bilingual Generalist
- EC–4 English as a Second Language Generalist
- EC–4 Generalist
- 4–8 Generalist
- 4–8 English Language Arts/Reading
- 4–8 English Language Arts/Social Studies
- 4–8 Mathematics
- 4–8 Mathematics/Science
- 4–8 Science
- 4–8 Social Studies

Secondary (grades 8–12)

See Secondary Certification majors.

All-level teaching fields: EC–12

See All-Level Certification majors.

Professional Education*

EC–4 Generalist	Hours
EDPD 3340—Educational Foundations	3
EDEL 4374—Social Sciences Methods	3
EDEL 4381—Science Methods	3
EDEL 4370—Language Arts	3
EDEL 4371—Mathematics Methods	3
EDPD 4340—Classroom Management	3
EDEL 4340/EDEC 4342—Student Teaching	6
Total	24

or

EC–4 Bilingual Generalist	Hours
EDPD 3340—Educational Foundations	3
EDEL 4370—Language Arts Methods	3
EDEL 4371—Mathematics Methods	3
EDPD 4363—Bilingual Approach to Teaching	3
EDPD 4378—Bilingual Approach to Language	3
EDPD 4340—Classroom Management	3
EDEL 4340/EDEC 4342—Student Teaching	3
Total	24

or

EC–4 English as a Second Language Generalist	Hours
EDPD 3340—Educational Foundations	3
EDEL 4370—Language Arts Methods	3
EDEL 4371—Mathematics Methods	3
EDPD 4378—Bilingual Approach to Language Development	3
EDPD 4388—Methods and Materials of Teaching English as a Second Language	3
EDEL 4340—Student Teaching	3
EDEL 4342—Student Teaching Early Childhood	3
EDPD 4340—Classroom Management	3
Total	24

Grades 4–8 (All Specializations)	Hours
EDPD 3340—Educational Foundations	3
EDEL 4370—Language Arts Methods	3
EDEL 4371—Mathematics Methods	3
EDEL 4374—Social Sciences Methods	3
EDEL 4381—Science Methods	3
EDPD 4340—Classroom Management	3
EDEL 4340/4341—Student Teaching	6
Total	24

EC–12 Generic Special Education

EDPD 3340—Educational Foundations	3
EDEL 4370—Language Arts Methods	3
EDEL 4371—Mathematics Methods	3
EDSP 4368—Special Education Methods Mild	3
EDSP 4369—Special Education Methods Severe	3
EDEL 4340—Student Teaching	3
EDSP 4343—Student Teaching Generic Special Education	3
EDPD 4340—Classroom Management or EDSP 4359—Behavioral Management of Exceptional Children	3
Total	24

Secondary and All-Level	Hours
EDPD 3340—Educational Foundations	3
EDSE 4320—Teaching in Secondary Schools	3
EDRD 4386—Secondary Reading in the Content Area or 4304—Reading Skills in the Content Area (All-Level)	3
EDPD 4340—Classroom Management	3
EDEL/EDSE 4340/4341—Student Teaching	6
Total	18

Other Requirements

- EPSY 3350—Children with Special Needs
- EPSY 3341—Educational Psychology
- EDT 3343—Educational Technology

Students should decide on the bachelor's degree to pursue and take appropriate courses to meet requirements as listed in the University catalog. Degree totals will vary according to choices made by the student regarding teaching specializations or teaching fields.

Students in EC–4 or grades 4–8 certification will be working toward a bachelor of science degree with a major in interdisciplinary studies. All other students will be working toward a bachelor of arts, a bachelor of science, bachelor of music or bachelor of business administration degree with a major in the department.

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Additional supplemental certificates to standard teaching certificates which may be obtained at WTAMU are bilingual education, English as a second language, generic special education and technology application.

NOTE: Vocational office education is a certificate available provided an individual meets requirements. Information is available in the Office of Teacher Certification.

General Degree Plan for Teacher Certification

Students admitted under this program will select a major in a teaching field and receive a degree in that major. If EC-4 or grades 4-8 certification is chosen, the student will receive a bachelor of science degree with a major in interdisciplinary studies. An official degree plan should be requested in the College of Education and Social Sciences, located in Old Main, Room 410, after completion of 54 semester hours.

Following is a suggested plan of study which will vary according to teaching areas, summer school attendance and personal preference. A minimum of 127 semester hours is required, but this total may be increased according to selection of teaching fields.

NOTE: Rotation of courses may be amended. Students should contact their advisers prior to each semester of enrollment to determine correct course sequences. Summer-session or intersession courses should be scheduled.

Curriculum Guide (suggested course sequence)			
General Degree Plan—Teacher Certification			
First Year		Second Year	
Semester 1 ENGL 13013 hrs. HIST 13013 hrs. NSCI 1371 (elem.) or natural science (sec./all-level) ..3-4 hrs. MATH 13143 hrs. PHED 11111 hr. Interdisciplinary (elem.) or major (sec/ all-level) 3 hrs. 16-17 hrs.	Semester 2 ENGL 13023 hrs. HIST 13023 hrs. NSCI 1372 (elem.) or natural science (sec./all-level) ..3-4 hrs. MATH 1350 (elem.) or teaching field (sec./all-level) ...3 hrs. PHED, dance or band1 hr. SCOM 1315 or 1321 3 hrs. 16-17 hrs.	Semester 1 ENGL 2332 or 23333 hrs. POSC 23053 hrs. ANTH, ECO, GEOG, PSY or SOCI3 hrs. NSCI 2371 (elem.) or major (sec./all-level) course3 hrs. MATH 1351 (elem.) or major (sec./all-level) course 3 hrs. 15 hrs.	Semester 2 ENGL 2371, HIST 2372 or SPAN 23133 hrs. POSC 23063 hrs. Fine arts requirement3 hrs. NSCI 2372 (elem.) or major (sec./all-level) course3 hrs. Interdisciplinary (elem.) or major (sec./all-level) course 6 hrs. 18 hrs.
Third Year		Fourth Year	
Semester 1 EDPD 33403 hrs. EPSY 33503 hrs. Interdisciplinary (elem.) or major (sec./all-level) course12 hrs. 18 hrs.	Semester 2 EPSY 33413 hrs. EDT 33433 hrs. Interdisciplinary (elem.) or major (sec./all-level) course12 hrs. 18 hrs.	Semester 1 EDSE 4320, EDRD 4386 and 12 hrs. teaching field (sec.) or EDSE 4320, EDRD 4304 and 12 hrs. teaching fields (all-level) or EDEL 4370, 4371, 4374, 4381 elem.) ..12-18 hrs. Interdisciplinary or teaching fields 6 hrs. 18 hrs.	Semester 2 EDPD 43403 hrs. EDEL/ EDSE 43403 hrs. EDEL/ EDSE 43413 hrs. 9 hrs.

Certification Requirements

Elementary Specializations

Science Core Curriculum Requirements Applicable to Interdisciplinary Majors (EC-4 and 4-8 Education Major), Plus Generic Special Education

- Transfer students who select an interdisciplinary major must take all four of the science courses (NSCI 1371, 1372, 2371, 2372) regardless of their transfer credits in science. Any exceptions must be approved by the dean of the College of Education and Social Sciences.
- Interdisciplinary majors who change to another major after successfully completing one of these courses must complete three other NSCI courses (from the list of approved University core curriculum science courses) or two lab sciences in order to satisfy core curriculum requirements in laboratory science.

EC-4 and 4-8 Certification—Interdisciplinary Studies

Grades EC-4

- EC-4 Bilingual Generalist: EDRD 3301, 3302, 4301, 4302; NSCI 2371, 2372; PHED 3325 (TECA 1318); EDEC 4383 (TECA 1311), 4384, 4385 (TECA 1303); SPAN 1411, 1412, 2311, 2312, 3340, 3341. Other requirements: EDT 3343; EPSY 3341, 3350; MATH 1350, 1351; SPAN 4340; PSYC 2314 (TECA 1354).
- EC-4 Generalist: ARTS 3381; EDRD 3301, 3302, 4301, 4302, 4303; MATH 3305; MUSI 3321; NSCI 2371, 2372; PHED 3325 (TECA 1318); EDEC 4383 (TECA 1311), 4384, 4385 (TECA 1303). Other requirements: EDT 3343; EPSY 3341, 3350; MATH 1350, 1351; PSYC 2314 (TECA 1354).
- EC-4 English as a Second Language Generalist: ARTS 3381; EDRD 3301, 3302, 4301, 4302; MATH 3305; MUSI 3321, NSCI 2371, 2372; PHED 3325 (TECA 1318); EDEC 4383 (TECA 1311), 4384, 4385 (TECA 1303); ENGL 3311, 4311. Other requirements: EDT 3343; EPSY 3341, 3350; MATH 1350, 1351; PSYC 2314 (TECA 1354).

Grades 4-8

MATH 1350, 1351; NSCI 2371, 2372; EDRD 3301, 3302, 4302, 4306; PSYC 2314 (TECA 1354) (27 hours). Other requirements EDPD 2075, EPSY 3341, 3350, EDT 3343. Plus select one concentration area:

- English Language Arts/Reading: EDRD 4303; ENGL 2332 or 2333 (whichever was not taken as core), 2371, 3304, 3311, 4301, 4310; three hours from ENGL 3301 or 4322, 3310, 3360, 3361; SCOM 2341, 4330.
- English Language Arts/Social Studies: ENGL 2332 or 2333 (whichever was not taken as core), 3311, 4301, 4310; SCOM 4330; HIST 4316; ECON 2301 or 2302; GEOG 4331; POSC 2347, 3301, 3303 or 3307.

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- Mathematics: MATH 1316 or 1348, 2413, 3305 or 3306, 3331, 4390; choose nine hours mathematics and/or science upper-division electives.
- Mathematics/Science (32 hrs.): MATH 1316 or 1348, 2413, 3305 or 3306, 4390; BIOL 3301; PHYS 4321; nine hours of approved science electives with a minimum of three upper-level courses from BIOL 1411 or 1413 or CHEM 1411 or 1412; PHYS 3342; GESC 3303 or 3308, 3310, 3313.
- Science (30 hrs.): three courses (12 hours) from BIOL 1411, 1413, CHEM 1411, 1412, GEOL 1401, 1402, PHYS 1401, 1402; PHYS 4321; choose at least nine upper-level hours from PHYS 3342; GESC 3303, 3310, 3308, 3313; BIOL 3301. Three upper-level hours of mathematics electives.
- Social Studies: HIST 2311, 2372; six hours from HIST 4321, 4337, 3310, 3311, 3312, 3313, 3314, 4310, 4312, 4313; HIST 4316; ECON 2301 or 2302; GEOG 1302, 3302 or 3350, 4331; six hours from POSC 2304, 3301, 3303 or 3307.
- Generalist: MATH 1316 or 1348, 3331; BIOL 3301; PHYS 3342; GESC 3313; ENGL 3304, 3311; HIST 4316, GEOG 1302, 4331; ECON 2301 or 2302.

Secondary Certification Majors

Secondary Certification (8–12)

NOTE: The State Board for Educator Certification (SBEC) is revising certificate subject areas, grade levels and standards, and expects to have changes completed by 2005. Subject areas preceded by an (*) are approved under the new standards. All others are approved under 1987 standards, however they are under review by SBEC and will be revised. Contact the Office of Teacher Certification regarding projected completion deadlines.

- Agriculture: IDS 1071 (1), ANSC 1319, 1329, 3310, two courses from ANSC 4320, 4324, and 4370; PSES 1307, 3411, AGRI 2371, 3301, 3303, 3304, 3306, 3318, 4302, 4103, 4305; AGBE 2317, 3301 or 3304, 3302 (60) (Major Code: 497)
- Business: ECON 2301, 2302, three hours advanced economics; BUSI 1304, 1371, 3312, 3319; MGT 3330, 4315, 4330; MKT 3340; ACCT 2301, 2302, 4315; FIN 3320, 3350; CIS 3310, 3380; QBA 2342; MATH 1324, 1325. (Major Code: 443)
- Business Secretarial: BUSI 1371, 1304, 3353, 4381, 4397; CIS 3310; ACCT 2301 and ECON 2301. (Note: Three hours of college shorthand is required and should be taken as transfer course.) (27) Certification only, non-major.
- Computer Science*: CS 1315, 2315, 2325, 2377, 3307, 3315, 4325, 4330, 4352; CIS 2390, 3350, 4390; MATH 1316 or 1348, 2375, 2413, 2414; 21 hours from CS 3303, 3315, 4305, 4320, 4330, 4360, 4365, 4385; CIS 3360, 3375, 4372, 3385, 4382, 4392, 4098. (Major Code: 479)
- English Language Arts* (English major): ENGL 1301, 1302, 2332 or 2333, 2371, 3380, 3312 or 4312, 3304 or

- 4301; six hours from 3351, 4352, 4353, 4350; six hours from 3321, 3352, 4332, 4322; six hours from 3341, 3323, 3332, 3360, 3361, 3331; SCOM 2335, 2341; EDRD 3301 4302; MCOM 2309, 2310 and 2311 or 2315 or 4350; four courses of foreign language. (72) (Major Code: 444)
- History*: six hours from: HIST 2370, 2371 or 2373; 2311, 3301, 4316, 4301, plus nine hours advanced non-U.S. history, nine hours advanced U.S. history. (36) (Major Code: 429)
- Journalism (mass communication—print media major): MCOM 2309, 2310, 1307, 2311, 2315, 2327, 2305 or EDT 3343, MCOM 3301, 3302, 3303, 3305, 3327, 3331, 3335, 3350, 4302; MCOM 1319, 3307, 3312, 3313, 3314, 3099, 3094, 4301, 4306 and three hours from **4398, **4390. (60) B.S. degree only. (Major Code: 832)
- Life Science* (biology major): BIOL 1413, 1411, 2420 or 2572, 3301, 3440, 4510 or 4513 and 12 hours which must include at least one course from each of the following three areas: Area 1 (vertebrate biology): BIOL 3420, 4431, 4432, 4433 and 4434; Area 2 (invertebrate biology): BIOL 3510, 3411, 3521, 3331; Area 3 (other): BIOL 3404, 3406, 3099, 3532, 3385, 4425, 4335, 4351. CHEM 1411, 1412; MATH 1314, 1316 or 1348; four semester hours from directly supporting fields. (50) (Major Code: 432)
- Mathematics*: MATH 1316 or 1348, 2413, 2414, 3306, 4310, 3331, 3351, 4341, 4391 and 3321 or 4361; 12 semester hours from 3321, 3340, 3342, 4340, 4361, 4362; PHYS 1401 or 2425, 1402 or 2426; 12 semester hours from directly supporting fields. (55) (Major Code: 465)
- Physical Science: PHYS 2425, 2426, 3310, 3321, 3330, 3342; CHEM 1401, 1412, 2523, 2525, 3511; three courses from CHEM 3521, 3522, 4411, 4321/4221L, 4322/4222L, 4431; GEOG 3313 or GESC 3313; MATH 1316 or 1348, 2413, 2414.
- Science* (biology major): BIOL 1411, 1413, 2420 or 2572, two courses (must be from two different subject areas and must total at least eight semester hours). Area 1 (vertebrate biology): BIOL 3420, 4431, 4432, 4433, 4434. Area 2 (invertebrate biology): BIOL 3410, 3411, 3521, 3331. Area 3 (other): BIOL 3404, 3406, 3099, 3532, 3385, 4425, 4335, 4351. PHYS 1301, 1302, 3342 or GESC 3310; CHEM 1411, 1412, 2573; GEOL 1401, 1402 or GESC 3313; MATH 1314, 1316 or 1348. (59) (Major Code: 446)
- Social Studies* (social sciences major): six hours from HIST 2370, 2371 or 2373, 2311, 3301, 4316, three hours advanced history; POSC 2304 or 3365, 15 hours political science electives; ECON 2301, 2302, 4321 or 4332 (nine hours); GEOG 3302, 3350 and 4331. (54) (Major Code: 445)
- Spanish: SPAN 1411, 1412, 2311, 2312, 3301, 3314, 4320, 4340, nine hours advanced Spanish electives, FREN 1411 and 1412 or GERM 1411 and 1412, and six semester hours from ENGL 3310, 3312, 4311, HIST 2373, 3361, 4360. (36). Must pass TOPT. (Major Code: 489)
- Speech: SCOM 1318, 2335, 2376, 2341, 2178 (three hours), 2377 or 3370, 3301, 3302 or 4330, 3315, 3341, 4301, 4373. (Major Code: 489)

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All-Level Certification (EC-12)

- Art: ARTS 1316, 1317, 1311, 1312, 1303, 1304, 2371, 2316 or 2366, 3381, 4381; 18 hours from 3372, 3273 and 3274. Studio areas may not be repeated. (48) (Major Code: 451)
- Generic Special Education: See the dean of the College of Education and Social Sciences. (Major Code: 418)
- Music: Contact the Department of Music and Dance for instrumental-, vocal- and keyboard-emphases course listings. (Major Code: 452)
- Sports and Exercise Sciences: SES 1303, 3302, 3304, 3307, 3311, 3320, 3321, 3340, 3341, 4322; three hours from 3350-3356; three hours from 2373-2378. (36) (Major Code: 462)
- Speech Communication—Theatre Arts: SCOM 2335, 2376, 2341, 2377 or 3370, 3341, 4301, 4330, 3325 or 4373; THRE 1330, 1351, 1352, 1220, 1341, 3312, 3351, 3199, 3370, 4312, 4361, 4362. (54) (Major Code: 469)
- Theatre: THRE 1351, 1371, 1373, 2374, 1330, 1352, 1120, 1341, 3312, 3351, 3335, 3199, 3370, 4312, 4351, 4335, 4361, 4362; (51) plus B.A./B.S. requirements. (Major Code: 458)

Supplemental Certificates

- Bilingual*: EDPD 4378/5378, EDEL 4363/5363, SPAN 3340 or 5310; SPAN 3341 or 5341; SPAN 4340; Texas Oral Proficiency Exam (TOPT). Prerequisite for admission to this endorsement program: satisfactory completion of two years of college-level Spanish courses or consent of the Department of English and Modern Languages.
- English as a Second Language* (ESL): EDPD 4378/5378, 4388/5388, ENGL 3311 and 4311/5311.
- Generic Special Education (graduate only): EDSP 4351, 4352, 6356, 6358, 4359 and EPSY 6322. (See the "Graduate School" section of this catalog for additional requirements to obtain a master of education degree in special education.)
- Technology Application Grades 8-12 (student must hold standard/provisional teaching certificate and complete the following courses): EDT 6350, 6355, 6380, 6320.
- Vocational Office Education: POSC 2305, 2306; six hours of appropriate business/vocational course work to be selected by the Department of Management, Marketing and General Business. See the Office of Teacher Certification for other requirements.

For information about master's degree programs in education, refer to the "Graduate School" section of this catalog.

Teacher Certification Pass Rates

2001-2002 Academic Year	WTAMU Average	Staterid Average
Summary	86%	92%
Basic Skills	100%	100%
Professional Knowledge	90%	93%
Academic Content	87%	95%
Special Populations	96%	96%
Professional Development (Elementary)	92%	92%
Professional Development (Secondary)	88%	92%
Elementary Comprehensive	92%	96%
Music (All-Level)	100%	98%
Generic Special Education	96%	96%
English (Secondary)	89%	94%
Mathematics (Secondary)	89%	94%
Biology (Secondary)	62%	95%
Physical Education (Secondary)	88%	92%
History (Secondary)	42%	89%

These areas represent test categories with at least 10 or more test takers. For the 2001-2002 academic year, WTAMU had 369 program "completers," while 1,327 students were classified as enrolled in the teacher-preparation program. Two hundred thirty-three (233) students were in programs of supervised student teaching, with a student-to-faculty ratio of 12.3 percent. Student teaching averages 12 weeks, with 480 total hours required. The WTAMU program is accredited by the Texas State Board for Educator Certification.

Three-Year Data

	WTAMU Average	Staterid Average
Art (Secondary)	100%	100%
Chemistry (Secondary)	60%	96%
Earth Science (Secondary)	100%	92%
Physical Education (All-Level)	92%	97%
Science Composite (Secondary)	88%	95%
Life/Earth Science (Secondary)	100%	96%
Government (Secondary)	100%	94%
History (Secondary)	67%	89%
Physics	100%	100%
Social Studies (Secondary)	60%	86%
Spanish (Secondary)	100%	96%
Speech (Secondary)	100%	94%
Theatre Arts (Secondary)	100%	90%
Bilingual Elementary Comprehensive	94%	92%

By federal mandate [Title II, Section 207f, I A(iii)], in the case of teacher-preparation programs with fewer than 10 graduates taking any single, initial teacher certification or licensure assessment during an academic year, the institution shall collect and publish information with respect to an average pass rate on state certification or licensure assessments taken over a three-year period.