

# COLLEGE OF EDUCATION

John J. Beck, Ph.D., Dean  
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Curriculum and Instruction ..... Marianne Reese, Ph.D.  
Educational Administration  
and Psychological Services ..... D. Stanley Carpenter, Ph.D.  
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## COLLEGE OF EDUCATION

**Dean's Office:**

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Office: Education Building 2001

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The College of Education contains three academic departments. These are Curriculum and Instruction; Educational Administration and Psychological Services; and Health, Physical Education, and Recreation.

Teacher preparation was the original mission of Southwest Texas Normal School when it was chartered in 1899, and today faculty members in the College of Education continue to focus their efforts on this primary mission. Over the last century, the mission of the College has expanded to include the professional preparation of educators at the master's and doctorate levels as well as the preparation of professionals in other fields such as recreation administration, health and wellness promotion, athletic training, health and fitness management, licensed professional counseling, and adult and developmental education.

Teacher education is a campus-wide commitment at Texas State. Many academic departments offer core curriculum courses and major/minor courses, and the College of Education offers the certification courses. Programs leading to teacher certification are available for elementary, middle, high school and all-level teachers. These are the EC-4 (Early Childhood through Grade Four), the 4-8 (Grade Four through Grade Eight), the 8-12 (Grade Eight through Grade 12), and All-Level (Early Childhood through Grade 12) certificates. Students seeking either the EC-4 or the 4-8 certificate will be majors in the College of Education, and students seeking the 8-12 certificate will complete an academic major of their choice in the appropriate department. Within the HPER Department in the College of Education, students may acquire certificates to teach Physical Education or Health.

The College of Education offers two doctoral degree programs. One is a Doctor of Philosophy degree with a major in School Improvement, and the other is a Doctor of Philosophy degree with a major in Adult, Professional, and Community Education. More information about these degrees may be obtained from the Graduate College or from the College of Education web site.

### Academic Advising Center

The College of Education Academic Advising Center is conveniently located on the second floor of the Education Building in Room 2143 and is open 8:00 A.M.-5:00 P.M., Monday through Friday. The mission of the Center is to provide accurate and timely advice to students regarding admission to, progress through, and completion of degree and certificate programs administered by the College of Education. The purpose of the Academic Advising Center is to provide a full range of services for students seeking a degree or certificate from the College of Education. Services include, but are not limited to, exploration of life goals, exploration of career and educational goals, selection of educational programs, selection of a major and minor, and preparation of degree audit reports.

Faculty members in the College of Education, as well as Academic Advising Center staff, are available to discuss career goals and opportunities available within each program area.

All students in the College of Education should contact the Academic Advising Center for an initial appointment to complete paperwork necessary for entering programs in the College of Education.

## Elementary, Middle School, High School and All-Level Certification Field Base Requirement

Students in any teacher certification program must participate in a block of courses taught two days per week at a public school in the Central Texas area. This pre-student teaching experience is a unique opportunity to learn in actual classrooms, in a partnership between Texas State and public school faculty. It fulfills the field experience requirement for teaching in the public schools. The field block is taken following the required courses indicated below.

**Elementary Certification: Early Childhood – 4.** Students must take the professional development core classes prior to enrolling in the field base block. The core consists of CI 3310, CI 3315, and RDG 4320. The field base block classes include CI 3322, RDG 3315, and RDG 3321.

**Middle School Certification: Grades 4-8.** Students must take the professional development core classes prior to enrolling in their two field base blocks. The core consists of CI 3310, CI 3315, and RDG 4320. The first of two field base block classes include CI 3300 and RDG 4310. The second field base semester includes CI 4300 and RDG 3315.

**High School (Grades 8-12) and All-Level (Grades 1-12) Certification.** Students must take CI 3310 and CI 3325 prior to participating in a field base block. The 9-hour field base experience consists of CI 4332, CI 4343, and RDG 3323.

Students may choose to seek teacher certification in either one or two fields of study, depending upon the field(s) chosen. Some departments have designed teaching fields that must be completed in tandem with at least one other field. Students are advised to consult a departmental advisor prior to selection of teaching fields.

### Admission to Teacher Education

Students who want to be certified to teach in Texas accredited schools should follow the curriculum sequence outlined by their major departments or colleges. The students should contact advisors who will help them to plan schedules that will lead to graduation as well as certification, and they are encouraged to join student organizations related to the teaching profession.

The following criteria must be satisfied for admission to any teacher education program by the end of the semester in which CI 3310 is completed successfully:

1. Junior standing.
2. A Texas State GPA of 2.50 or higher.
3. Texas Higher Education Assessment (THEA) scores of at least 220 in writing, and 230 in reading and mathematics or documentation of exemptions or equivalencies.
4. Completion of the mathematics and science formative assessments.
5. College level skills in reading, oral and written communication, critical thinking, and mathematics:
  - a. Reading: Successful completion of PHIL 1305 or its equivalent.
  - b. Oral Communication: Successful completion of COMM 1310 or its equivalent.
  - c. Written Communication: Grades of “C” or higher in ENG 1310 and 1320 or their equivalents.
  - d. Critical Thinking: Successful completion of PHIL 1305 or its equivalent.
  - e. Mathematics: A grade of “C” or higher in MATH 1315 or 1319 or 2417 or 2471 for Interdisciplinary Studies majors or successful completion of the mathematics requirement in the selected major for high school and all-level certificates.
6. “C” or higher grade in CI 3310.

**Note:** Special certification programs, such as Career Alternatives in Special Education (CASE), Certification and Master’s Program (CAMP), Certification and Master of Education (C-MED), or Teacher Recruitment and Induction Program (TRIP) may have different and/or additional requirements as stated in the guidelines for these programs.

## Student Teaching

A list of the courses required to be completed prior to student teaching may be obtained from the College of Education Academic Advising Center.

The requirements to be admitted to student teaching are as follows:

1. Admission to Teacher Education.
2. A Texas State GPA of 2.5 or higher.
3. Validation of required pre-student teaching field experiences.
4. A grade of "C" or higher in all assigned courses in the professional sequence prior to student teaching.
5. A GPA of at least 2.50 in the teaching field(s) or specialization(s) with no grade below a "C".
6. Mastery of the mathematics and science summative assessments.
7. Approval from the chair of the department of the student's major teaching field.

## Graduation and Certification

**Graduation.** In addition to the other graduation requirements listed in this catalog, the following graduation requirements must be met by students seeking teacher certification:

1. A Texas State GPA of at least 2.5.
2. Successful completion of student teaching.
3. Grades of "C" or higher in each course in the assigned professional sequence.
4. A GPA of at least 2.50 in the teaching field(s) or specialization(s) with no grade below a "C".
5. Timely application for graduation. Candidates for degrees offered in the College of Education must complete a graduation application online.
6. Passing scores on the THEA or proof of an exemption because of scores on an alternative test or grades in selected courses. Contact the College of Education Academic Advising Center for procedural details.

**Certification.** Upon application by qualified students, the Director of Teacher Certification recommends the issuance of the appropriate certificate by the State of Texas. The certification process includes the following steps:

1. Completion of at least a baccalaureate degree.
2. Completion of the appropriate teaching fields or specializations with grades of "C" or higher in each required course.
3. Completion of the appropriate professional sequence of courses with a grade of "C" or higher in each.
4. Passing scores on the appropriate Examination(s) for the Certification of Educators in Texas (ExCET) or Texas Examination of Educator Standards (TExES).
5. Filing a State application form online at [www.sbec.state.tx.us](http://www.sbec.state.tx.us).

**Fitness for the Teaching Profession.** Students who are admitted to teacher education are expected to meet specified non-academic standards, which are necessary to be competent teachers. The intent is to ensure that the students recommended for teacher certification are able to effectively and independently carry out the duties for which they are being prepared. The fitness criteria include physical characteristics, personality characteristics, responsibility characteristics, communication skills, social relationships, personal responsibilities, and commitment to the teaching profession. Students who have been identified with a demonstrable discrepancy by two or more distinct professors or cooperating teachers will meet with the Teacher Education Admission and Retention (TEAR) Committee to discuss options available for progress in Teacher Education to continue.

## Directed (Student) Teaching

Directed Teaching should be completed during the last long semester prior to graduation. Before being permitted to begin student teaching, students must meet all requirements listed above under Student Teaching. All assigned courses in teaching fields and in the professional sequence must be completed with specified grade-point averages and grades prior to the beginning of the student teaching.

Student Teaching Roundups are held one long semester prior to the student teaching semester (early September for Spring and late January for Fall) and are mandatory for all students who plan to student teach. Students are also given information at the roundups about upcoming requirements prior to student teaching and the course(s) for which they will register.

Student teachers also have the opportunity to do half of their student teaching abroad. At the present time, international student teaching programs are offered in Curacao, England, Germany, Mexico and New Zealand. Specific details are given to students at Roundups or can be obtained by making an appointment with the Associate Dean-Director of Teacher Education and Field Experiences in the College of Education Academic Advising Center.

## Post-Graduate Certificate Requirement

Persons who hold at least a bachelor's degree and who are seeking either initial or additional Texas teaching certificates will follow the procedures listed below:

- A. Instructions for Post-Graduates from a Texas College or University and Non-Certified Out-of-State Applicants
  1. Attend a required information session.
  2. Apply for admission through the Graduate College.
  3. Apply to the Certification Officer in the College of Education Academic Advising Center for a certification plan.
  4. Successfully complete the certification plan.
  5. Pass all required state certification examinations.
  6. Apply for certification online.
- B. Certified Out-of-State Applicants
  1. Persons holding a valid teacher certificate from another state must apply to the State Board for Education Certification, [www.sbec.state.tx.us](http://www.sbec.state.tx.us), for either a certificate or a certification plan.

## Texas State Center for Educational Partnerships (Texas State-CEP)

The Texas State-CEP serves in an advisory capacity to the Teacher Education Program at Texas State University-San Marcos. The Center includes representatives from over 35 school districts, the teaching profession, teacher education faculty, Regional Educational Service Centers, the State Board for Educator Certification, etc. The mission of Texas State-CEP is to enhance and support quality education through partnerships among Texas State, schools and communities.

## Educational Placement

Job placement assistance for students seeking employment in elementary and secondary schools is available through Texas State Career Services (5th floor, LBJ Student Center). Career Services works directly with the College of Education in providing job fairs, resume preparation, on-line student profiles for school district recruitment, etc. Employment information is also available upon request concerning education-related job opportunities in other states and overseas.

**Courses in Education (ED)**

**4380 Directed Teaching (EC-4 and Elementary All-Level). (0-6)** In this capstone course, students will integrate and apply knowledge from their entire program while teaching in collaboration with experienced teachers in the public schools with university guidance and supervision. Students will demonstrate exit-level proficiency in state-adopted and Texas State proficiencies for teachers. Repeatable for credit with different emphasis. Prerequisites: CI 4350, 4355; SPED 4344; 2.5 Texas State GPA.

**4381 Directed Teaching (Secondary All-Level). (0-6)** Experiences providing opportunities for observation, participation and directed teaching for students enrolled in the curriculum for high school teachers. A minimum of one conference hour per week is required. May be taken for three semester hours credit for all-level certification. Repeatable for credit with different emphasis.

**4387 Directed Teaching (EC-4). (3-3)** Experiences providing opportunities for observation, participation and directed teaching for students in kindergarten curriculum on the senior level. A minimum of one conference hour per week is required.

**4680 Directed Teaching (4-8). (1-6)** In this capstone course, students will integrate and apply knowledge from their entire program while teaching in collaboration with experienced teachers in the public schools with university guidance and supervision. Students will demonstrate exit-level proficiency in state-adopted and Texas State proficiencies for teachers. Prerequisites: CI 4350, 4355; SPED 4344; 2.5 Texas State GPA.

**4681 Directed Teaching (8-12). (1-6)** Experiences providing opportunities for observation, participation and directed teaching for students enrolled in the curriculum for high school teachers. A minimum of one conference hour per week is required.

## Department of Curriculum and Instruction

Phone: (512) 245-3701      Office: Education Building 3044  
 Fax: (512) 245-7911      Web: <http://www.txstate.edu/ci/>

*Chair-Reese. Professors-Caverly, Dolezal, Fite, Gillis, Hatcher, Huling, Martin, Scheuermann, Webber, Wheeler. Associate Professors-Battle, Bond, Byrum, Davis, Goodwin, Joseph, Leavell, Mandeville, O'Neal, Pate-Moulton, Peterson, Radcliffe, Resta, Stephens, Werner. Assistant Professors-Ash, Assaf, Cuellar, De la Colina, Garza, Lee, Lien, McCall, Summers, Waite. Instructors-Anderson, Crook, Dombroski, Duhon, Higdon, Loughmiller, Tucker. Program Faculty-Curtin. Lecturers-Farr, Fox, Hoke, Kelly, Langerock, Nicholson, Pape.*

### Degree Programs Offered

- BS, major in Interdisciplinary Studies (Early Childhood through Grade 4)
- BS, major in Interdisciplinary Studies (Grades 4-8)
- BS, major in Interdisciplinary Studies (All-Level Special Education)

### Minor Offered

- Special Education

Students who wish to teach in either the early childhood through grade four levels or in the grade four through eight levels (middle school) pursue the Bachelor of Science with a major in Interdisciplinary Studies with the following four categories of study: (1) general education, (2) specialty curricula for the focus at either the early childhood-grade 4 level or the grade 4-8 level, (3) a professional studies curriculum designed for specific roles in teaching, and (4) electives adequate to complete the number of hours required for graduation. The total number of hours to graduate will vary between 129 to 139 semester hours, depending on the focus selected.

Students who seek secondary certification (8-12) or all-level certification (1-12) follow the curriculum outlined by the department of their major. These students take professional development courses offered by the Department of Curriculum and Instruction.

Students who seek special education certification may select an all-level option.

### Elementary Education Program

Students seeking this degree should consult with advisers in the College of Education Academic Advising Center prior to each registration for detailed information regarding specific requirements. The following schedule represents a typical year-by-year progression toward the degree; however, students should develop their plans following semesterly consultations with staff in the Advising Center.

Due to the necessity to take courses in a predetermined sequence it is likely that students will be required to attend summer sessions in order to complete the program within a 4-year time period.

**Bachelor of Science**  
**Major in Interdisciplinary Studies**  
**(with teacher certification in Early Childhood through Grade 4)**  
**(Minimum required: 128 semester hours)**

<b>Freshman Year</b>	<b>Hours</b>	<b>Sophomore Year</b>	<b>Hours</b>
ENG 1310, 1320 .....	6	ENG Literature.....	3
HIST 1310, 1320.....	6	POSI 2310, 2320 .....	6
MATH 1315 or 1319 .....	3	PHIL 1305.....	3
GEO 1310.....	3	MATH 2311, 2312.....	6
PHYS 1310, 1320, 1110 .....	7	BIO 1320.....	3
COMM 1310.....	3	MU 1311 .....	3
ART, DAN, MU or TH 2313.....	3	TH 1370 .....	3
PFW two courses .....	2	PE/H ED 3321.....	3
US 1100 .....	1	ARTT 3370 .....	3
<b>Total</b>	<b>34</b>	<b>Total</b>	<b>33</b>
<b>Junior Year</b>	<b>Hours</b>	<b>Senior Year</b>	<b>Hours</b>
CI 3310, 3315 .....	6	SPED 4344.....	3
CI 3322, 4325 .....	6	GS 3310, 3320.....	6
RDG 4320.....	3	RDG 3312 .....	3
RDG 3315.....	3	RDG 3320 .....	3
RDG 3321.....	3	Certification Focus Area .....	6
CI 4350 .....	3	ED 4680 .....	6
Certification Focus Area .....	9	Electives.....	1-3
<b>Total</b>	<b>33</b>	<b>Total</b>	<b>28-30</b>

**Certification Focus Areas for Grades EC-4**

(Select one certification focus area)

EC-4 Generalist: ECE 4300, 4310, 4352; 6 hours from: ENG 3385, PSY 1300, SOCI 1310, HIST 3372.

EC-4 Bilingual Generalist: CI 3332, 4360, 4361, 4362; SOCI 3327.



**Bachelor of Science  
Major in Interdisciplinary Studies  
(with teacher certification in Grades 4-8)  
(Minimum required: 128-139 semester hours)**

<b>Freshman Year</b>	<b>Hours</b>	<b>Sophomore Year</b>	<b>Hours</b>
ENG 1310, 1320 .....	6	ENG Literature.....	3
HIST 1310, 1320.....	6	POSI 2310, 2320 .....	6
MATH (Certification Focus Area).....	3-4	PHIL 1305.....	3
PHYS 1310, 1320, 1110 .....	7	Certification Focus Area .....	24
COMM 1310.....	3		
ART, DAN, MU or TH 2313.....	3		
GEO 1310, ANTH 1312, ECO 2301, PSY 1300 or SOCI 1310.....	3		
PFW two courses .....	2		
US 1100 .....	1		
<b>Total</b>	<b>34-35</b>	<b>Total</b>	<b>36</b>
<b>Junior Year</b>	<b>Hours</b>	<b>Senior Year</b>	<b>Hours</b>
CI 3310 .....	3	CI 4300.....	3
CI 3315 .....	3	RDG 3315 .....	3
RDG 4320.....	3	CI 4350.....	3
CI 3300 .....	3	SPED 4344.....	3
RDG 4310.....	3	Certification Focus Area .....	16
Certification Focus Area .....	18	ED 4680 .....	6
<b>Total</b>	<b>33</b>	<b>Total</b>	<b>34</b>

**Certification Focus Areas for Grades 4-8**

(Select one certification focus area)

- 4-8 Generalist: MATH 2417, 2311, 2312, 2321, 2328, 3315, 4302; ENG 3304, 3385 or 3386; HIST 3372; GEO 4340; 3 hours upper-level GEO, HIST, POSI, ECO, SOCI, or ANTH; BIO 1320, 1421; CHEM 1310; BIO 4402 & 4403 or GEOL 1410 & 1420; GS 3310 & 3320.
- 4-8 Language Arts/Social Studies Composite: MATH 1315 or 1319; ENG 3304, 3386, Select 2 classes from 2 groups: A, B, or C; MC 2319; POSI: Select two courses from Group 2; HIST 3372; HIST Select one course from Group A; 6 Hours of Science selected from: BIO 1320, 4305, CHEM 1310, GEO 2310, GS 3310, PHYS 1340; MATH 2311, 2312; GEO 4340; Select one course from upper division GEO; ECO 2310 or 2314; ANTH 3301 or 3309; RDG 3312, 3320.
- 4-8 Math: MATH 2311, 2312, 2328, 2471 or 2321, 2472 or 2331, 3315, 4302, 4304, 4311; CS 1318; BIO 1320; CHEM 1341 & 1141; CHEM 1342 & 1142; GS 3310 & 3320; RDG 3315; Elective hours if needed to reach minimum of 128 hours.
- 4-8 Math/Science Composite: MATH 2417, 2311, 2312, 2321, 2328, 2331, 3315, 4302, 4311; BIO 1430, 1431, 2410, 4402, 4403, 4305; CHEM 1341 & 1141; GS 3310 & 3320.
- 4-8 Science: MATH 1315 or 1319, 2311, 2321, 2331, 3315, 4302; BIO 1430, 1431, 2411, 2450, 4305; Select one from: BIO 2410, 2430, or 3406; CHEM 1341 & 1141; CHEM 1342 & 1142; GS 3310 & 3320; BIO 4402 & 4403 or GEOL 1410 & 1420.

## High School and All-Level Programs

Students who wish to be certified to teach at the high school level (grades 8-12) will follow the curriculum specified by their major department and will apply to the appropriate department or advising center for their degree outline. The Department of Curriculum and Instruction provides the following professional education sequence: CI 3310, CI 3325, High School Block, and ED 4681 (Student Teaching).

### Bachelor of Science Major in Interdisciplinary Studies (with All-Level Special Education teacher certification) (Minimum required: 136 semester hours)

Freshman Year	Hours	Sophomore Year	Hours
ENG 1310, 1320 .....	6	ENG Literature.....	3
HIST 1310, 1320.....	6	POSI 2310, 2320.....	6
MATH 1315 or 1319 .....	3	PHIL 1305.....	3
GEO 1310.....	3	MATH 2311, 2312 .....	6
PHYS 1310, 1320, 1110 .....	7	BIO 1320.....	3
COMM 1310.....	3	SPED 2360, 3390.....	6
ART, DAN, MU or TH 2313.....	3	GS 3310 .....	3
PFW two courses .....	2	PE/H ED 3321.....	3
US 1100.....	1		
<b>Total</b>	<b>34</b>	<b>Total</b>	<b>33</b>
<b>Junior Year</b>	<b>Hours</b>	<b>Senior Year</b>	<b>Hours</b>
CI 3310, 3322, 3325 .....	9	CI 4332, 4343, 4350.....	9
RDG 3312, 3315, 3320, 3321 .....	12	RDG 3323 .....	3
ECE 4300.....	3	SPED 4344, 4374, 4381, 4389 .....	12
Elective .....	3	GS 3320 .....	3
SPED 3338, 4345.....	6	ED 4380, 4381 .....	6
ARTT 3370, MU 1311, or TH 1370 .....	3		
<b>Total</b>	<b>36</b>	<b>Total</b>	<b>33</b>

### Minor in Special Education

A minor in Special Education requires 21 hours, including SPED 2360, 3338, 3390, 4344, 4345, 4374, and 4381.

### Courses in Curriculum and Instruction (CI)

(WI) **3300 Middle School Curriculum and Instruction. (3-0)** Overview of developmentally appropriate curriculum adhering to state and national standards for grades 4-8. Includes the application of learning theory in a safe classroom environment with a focus on cooperative learning, direct instruction, discovery learning, technology, and learner-centered instruction. Prerequisites: CI 3310, 3315; RDG 4320; 2.5 Texas State GPA.

**3310 Public Education in America. (3-0)** Course focuses on an examination of learners, educators, curriculum, learning processes, teaching, instructional materials, and assessment. The historical, legal, and political contexts of public schooling in America are included. Current trends and issues are addressed. Prerequisite: Junior classification.

(WI) **3315 Human Development and Learning Theory. (3-0)** Students will study human development and learning theories, including social and cultural factors that affect learning. Implications for classrooms and teaching will be discussed. Students will also examine education as a profession.

(WI) **3322 The Design and Application of the EC-4 Curriculum. (3-0)** Course focuses on design and application of curricula including content, instructional methodologies and assessment. Foundational theories of human development and learning will be used as students focus on the organization of content, instructional strategies, classroom environment, utilization of materials, and assessment. Prerequisites: CI 3315; GEO 1310; 2.5 Texas State GPA.

**3325 Adolescent Growth and Development. (3-0)** Study of biological, cognitive, and psychological theories and processes of adolescence. Prepares prospective teachers to understand abilities, behaviors, and needs of learners. Roles of family, peer groups, and culture examined with the aid of contemporary adolescent literature. Prerequisites: CI 3310; 2.5 Texas State GPA.

**3332 Foundations of Bilingual Education. (3-0)** The rationale, history, and philosophy of bilingual education, planning for the provision of the cultural, motivational, and self-concept influences that mediate the learning process of the limited English proficiency pupil in the elementary classroom. Prerequisite: 2.5 Texas State GPA.

**3335 Humanities in the Integrated Elementary Curriculum. (3-0)** Course provides the knowledge and skills needed to use the major concepts and processes from the fine arts and the social sciences to develop appropriate curriculum for the elementary school student. Assessment of student needs relevant to the fine arts and social studies curriculum, planning lessons and integrated units, effective instructional delivery, and evaluation of student progress and pre-service teacher effectiveness are included in this field-based course. Prerequisites: CI 3315; GEO 1310; 2.5 Texas State GPA.

(WI) **4300 Middle Level Philosophy and Schooling. (3-0)** Physical, social, emotional, cognitive, and moral characteristics of young adolescents in contexts of family, community, school, society. History and philosophy of middle school as a developmentally appropriate environment for young adolescents. Continued study of instruction that is affectively and cognitively appropriate for young adolescents. Prerequisites: CI 3330; RDG 3315, 4310; 2.5 Texas State GPA.

**4325 Classroom Management and Teacher-Student Relationships. (3-0)** Course will focus on classroom management theories and models. Personal philosophy, beliefs, and style of teaching will be examined as they relate to the various methods of classroom management, student discipline, and teacher-student relationships. Prerequisites: CI 3310, 3315; RDG 4320; 2.5 Texas State GPA.

**4332 Secondary Teaching: Curriculum and Technology. (3-0)** Investigation of secondary curriculum: its history, organization, development, and representation in instructional materials. Students learn how curriculum is decided, impacted, and assessed. Topics include local, state, and national standards, trends, and roles of culture and technology in teaching and learning. Prerequisites: CI 3310, 2.5 Texas State GPA, passing scores on TASP.

**4343 Instructional Strategies for the Secondary Teacher. (3-0)** Study of models for instruction, with attention to assessment and classroom management. Students develop and practice strategies for building classroom communities, teaching all learners, and integrating technology into instruction. Focus on meeting needs of individual learners while maintaining academic rigor. Prerequisites: CI 3310, 2.5 Texas State GPA, passing scores on TASP.

**4350 Mathematics in the Integrated Elementary Curriculum. (3-0)** Course provides an in-depth study of the mathematics content and methodology derived from principles of learning and research. Primary focus will be on the development of mathematics understanding and relevant applications rather than manipulation of numbers without context, purpose, or concepts. Students will develop the skills needed in cooperative planning, provide methods of organizing mathematical principles into lessons for pupils, and develop techniques for evaluating pupil progress within a field-based environment. Prerequisites: MATH 1315 or 1319; 2.5 Texas State GPA.

**4355 Science in the Integrated Elementary Curriculum. (3-0)** Course provides an in-depth study of the use of both the content and processes of science in producing integrated, developmentally appropriate elementary science curriculum. Students learn to use the major concepts and themes of science to organize activity-driven, process-rich, interdisciplinary instructional units. The management of materials, students, and instructional time during inquiry and other problem-solving activities, and the assessment of student progress are also stressed in this field-based class. Prerequisites: CI 3335; RDG 3315, 3320; 2.5 Texas State GPA.

**4360 Teaching the Bilingual Content Areas. (3-0)** Content, methods and materials of elementary bilingual classroom instruction. Teaching the bilingual curriculum and providing strategies and materials for meeting the needs of the Limited English Proficient (LEP) pupil. Prerequisites: CI 3332 and 4361.

**4361 Psychological Foundations of Bilingual Education. (3-0)** The study of the educational foundation and development of bilingual education. The evaluation of achievement and learning ability of the Limited English Proficient (LEP) pupil will be examined. The psychological development of the LEP pupil and relationship of cultural values, socialization practices and learning styles will be analyzed.

**4362 The Elementary Bilingual Content Areas. (3-0)** A study of the mathematics, science, social studies, and language arts curriculum of the bilingual elementary classroom. Prerequisites: CI 3332, 4361, and 2.5 Texas State GPA.

**4375 Problems in Education – Elementary. (3-0)**

**4376 Problems in Education – Secondary (3-0)**

**4377 Problems in Bilingual Education (3-0)**

**4378 Problems in Education. (3-0)** Individual problems related to areas of selected study for the undergraduate student, designed to meet individual differences for the purpose of certification. A letter following the course title on the permanent record will indicate the area of emphasis according to this code: (i) Elementary, (j) Secondary, and (l) Bilingual. Repeatable for credit with different emphasis. Prerequisite: 2.5 Texas State GPA.

### **Courses in Early Childhood Education (ECE)**

(WI) **3330 Early Childhood Development. (3-0)** Basic principles of physical, cognitive, language, social and emotional development. Prerequisite: 2.5 Texas State GPA.

**4300 The Languages of Children: Acquisition and Use. (3-0)** This course is designed to provide pre-service teachers with pertinent information regarding the development of language and cognition in pre-school and school-aged children. Information regarding language structure, the sequence of development as well as the cognitive and social aspects of language acquisition and use will be included. Prerequisite: 2.5 Texas State GPA.

**4310 Seminar for Teachers of Young Children. (3-1.5)** Directed field experiences in observation, participation, problem solving, assessing and teaching in programs for young children. A minimum of 1.5 hour seminar per week is required in addition to assignment (three hours weekly) in an approved preschool or kindergarten program. Prerequisites: ECE 4300, 4352; 2.5 Texas State GPA.

**4352 Curriculum for Preschool and Kindergarten Children. (3-0)** Emphasizes research, program development, and developmentally appropriate teaching strategies, materials and activities for children ages 3-6 and collaboration with families. Prerequisite: 2.5 Texas State GPA.

**4380 Independent Study in Early Childhood. (3-0)** In-depth study of selected topics of current need or interest in early childhood education. Work due on independent study basis with faculty member and only with permission of department. Repeatable for credit with different emphasis. Prerequisite: 2.5 Texas State GPA.

### **Courses in Reading (RDG)**

**1300 Reading Improvement. (3-2)** A content-based learning strategies course for students who require compensatory instruction in vocabulary, reading comprehension, critical reading, study skills, and test-taking skills. Required for students who fail to make passing scores on the TASP reading subtest. Concurrent enrollment in specific sections of appropriate general education courses is required. Credit earned for this course will not count toward any baccalaureate degree offered by the University.

**2310 Introduction to the Nature of Reading and Readers. (3-0)** Course provides background knowledge necessary for the teacher of reading at any level. Topics include: nature of the reader, symbolic language representation, models of the reading process, writing as a process, and research that informs practice. Prerequisites: CI 3315; SPED 2325, 3381, or concurrent enrollment; 2.5 Texas State GPA.

**2321 Methods and Materials for Developmental Reading. (3-0)** Course provides information about current reading methods, materials, and strategies for teaching developmental reading at all levels with an emphasis on the elementary grades. Course topics include the major approaches and materials for teaching reading; teaching word recognition/analysis, comprehension, and vocabulary strategies; using literature in the reading/writing program; and implementing instructional strategies with both novice readers and expert readers at the preschool elementary, and intermediate-secondary levels. Prerequisites: CI 3315; SPED 2325, 3381, or concurrent enrollment; 2.5 Texas State GPA.

**3312 Reading and Writing Instruction for Children with Special Needs. (3-0)** Course focuses on classroom reading instruction for children not making average progress in literacy. Course topics: nature and identification of literacy difficulties, including dyslexia; modification of instruction for children with special needs; diagnostic teaching, teacher/program effectiveness and legal requirements of special populations. Prerequisites: RDG 3321, 3315; 2.5 Texas State GPA.

**3315 Assessing Reading and Writing. (3-0)** Students will learn about the characteristics, uses, and limitations of various types of assessment tools; laws and policies related to assessment; and apply what they have learned about assessment and assessment-based planning and teaching in the elementary language arts classroom. This is a field-based class. Prerequisites: CI 3322; RDG 2310, 2321; admission to Teacher Education; 2.5 Texas State GPA.

(WI) **3320 Integrating Reading and Writing. (3-0)** Students study the integrative approach to reading and writing in the elementary school curriculum. Prerequisites: RDG 3315; 2.5 Texas State GPA.

(WI) **3321 Developmental Reading for EC-4. (3-0)** Current reading strategies and materials for teaching developmental reading in EC-4. Topics include: approaches, materials, word recognition/analysis, comprehension, and vocabulary; literature in the reading/writing program, instructional strategies with novice/expert readers at the EC-4 level. Prerequisites: CI 3310, 3315; RDG 4320; 2.5 Texas State GPA.

**3323 Teaching Reading in the Content Areas. (3-0)** Provides information about reading in secondary content areas emphasizing selection and use of materials, including textbooks in print and electronic formats. Topics include instructional strategies, assessment of comprehension, and adapting instruction to meet student needs. Prerequisites: CI 3310; 2.5 Texas State GPA; passing scores on TASP.

**4310 Content Reading. (3-3)** Course provides information about instruction in the elementary content areas with emphasis on the effective use of textbooks and tradebooks. Course topics include: nature and purpose of content instruction and reading, text selection, use of tradebooks, comprehension, inquiry learning and problem solving, and assessment and meeting individual needs in content reading. Prerequisite: 2.5 Texas State GPA.

**4320 Literacy Education for Culturally and Linguistically Diverse Children. (3-0)** Course focuses on issues and trends in the education of children from diverse language and/or cultural backgrounds. Course topics include second language acquisition, cultural awareness and sensitivity, and culturally relevant instruction and effective teaching practices.

**4335 Clinical Practicum. (3-0)** This is the final course in the concentration. Course content has to do with diagnosis and remediation of reading disabilities; the main emphasis is on student development of prescribed competencies through observation and participation in the Reading Center for a minimum of five hours per week. Prerequisite: 2.5 Texas State GPA.

**4380 Independent Study in Reading Instruction. (3-0)** Analysis and interpretation of selected topics of special interest in reading and language arts instruction. Topics and instructors will vary from semester to semester. Repeatable for credit with different emphasis. Prerequisite: 2.5 Texas State GPA.

### **Courses in Special Education (SPED)**

**2360 Survey of Exceptionality. (3-0)** Course provides for the examination of types, characteristics, and causes of various exceptionalities; identifies federal laws as they relate to various populations; and serves as an introduction to the education of exceptional students in the home, school, and community.

**3338 Educating Students with Emotional/Behavioral Disorders. (3-0)** This course addresses topics associated with teaching students with emotional/behavioral disorders. Content includes an overview of definitions and characteristics, etiological factors, assessment for diagnosis and intervention planning, treatment options, including methods and materials for effective instruction, collaborative interagency services, and current issues. Prerequisites or Co-requisites: SPED 2360, 3390.

**3390 Assessing Students with Disabilities. (3-0)** The course provides information about formal and informal assessment for the identification of cognitive aptitude, academic achievement, social, emotional, and motor development, as well as the implications of these results for instruction or remediation.

**4310 Selected Topics in Special Education. (3-0)** In-depth study of selected topics of current interest in special education. Work done on an independent study basis with faculty member and available only with permission of department. Prerequisite: 2.5 Texas State GPA.

**4344 Educating Students with Mild Disabilities. (3-0)** Course provides information about modifications for students with mild disabilities. Characteristics of special education categories discussed with primary emphasis on learning disabilities. Role of classroom management and classroom teacher's role with students with mild disabilities addressed. Methods for individualizing instruction under a variety of classroom conditions presented.

**4345 Teaching Language Arts to Students with Disabilities. (3-0)** Course provides effective, research-based instruction for struggling readers, including basic literacy and adaptations to facilitate students' access to the general education curriculum. Basic literacy content will be presented, including information about phonological awareness, word study and spelling, fluency, comprehension, and writing across content areas.

**4374 Classroom and Behavior Management Strategies for Students with Disabilities. (3-0)** Effective strategies for classroom management. Topics include: common management problems, evaluation of classroom management approaches, strategies for preventing behavior problems, teaching new behaviors, increasing desired group and individual behaviors, and positive strategies for reducing inappropriate group and individual behaviors. Prerequisites or Co-requisites: SPED 2360, 3390, 4344.

**4381 Educating Students with Mental Retardation and Other Severe Disabilities. (3-0)** This course provides an overview of student characteristics and appropriate instructional techniques pertaining to individuals with mental retardation and other severe disabilities. Techniques will include specialized assessment and instructional strategies, functional curriculum development, transition planning, positive behavior supports, medical management, physical management, and assistive technologies. Prerequisites: SPED 2360, 3390.

**4389 Special Education Practicum. (0-20)** This course provides opportunities for students to design and apply assessment, planning, and instructional strategies. Students may be required to instruct in one or more content areas including academic, life, social, prevocational or vocational and/or communication skills. Prerequisites: SPED 2360, 3390, and three of the following: SPED 3388, 4344, 4345, or 4381.

## Department of Educational Administration and Psychological Services

Phone: (512) 245-2575      Office: Education Building 4037  
Fax: (512) 245-8872      Web: <http://www.eaps.us/>

*Chair and Professor-Carpenter. Professors-Beck, Boone, Brooks, Gordon, Jorgenson, Lyman, Ross-Gordon, Waite, Willoughby. Associate Professors-Carns, Connolly, Garcia, Hodges, Homeyer, Kerl, McGhee, Payne, Plotts, Price, Reese, Schmidt, Scholwinski, Slater, Stiegelbauer, Studer. Assistant Professors-Albin, Garrison, Guajardo, Lasser, , Moore, Nelson.*

The Department of Educational Administration and Psychological Services is primarily a graduate department, offering programs in professional counseling, guidance and counseling, adult and developmental education, educational administration, and school psychology. While the department offers no undergraduate degrees, it does provide support courses for other programs.

### Courses in Counseling (COUN)

**3320 Introduction to Counseling and Psychotherapy. (3-0)** The course is designed for upper-division undergraduates considering a helping profession or who wish to know more about counseling before entering into graduate study. The course offers introduction to counseling, counseling theories, and interpersonal communication skills that facilitate counseling relationships. Repeatable for credit with different emphasis.

**4378 Student Issues in Higher Education. (3-0)** This course provides learners with the knowledge to perform the role of a Resident Assistant. Through active discussions, hands-on projects and several guest speakers, learners will explore the multiple tasks and responsibilities of a Resident Assistant, as well as the history and philosophy of residence life and higher education. Repeatable for credit with different emphasis.

### Courses in Educational Psychology (EDP)

**1350 Effective Learning. (3-0)** A study of the acquisition of procedural knowledge through the application of human learning theory, cognitive behavior modifications, and developmental psychology. Generalization and transfer of this knowledge will be emphasized. Repeatable for credit with different emphasis.

**4378 Student Issues in Higher Education. (3-0)** This course serves as a survey course to examine issues faced by college students, specifically those living in a residence hall environment. Topics include but are not limited to new student adjustment, student development theory, security and safety, diversity, discipline, community building, civic responsibility, eating disorders, suicide, depression, and helping skills. Students learn skills that will enable them to assist others who are facing these issues. Students interested in becoming Resident Assistants are highly encouraged to take this course prior to applying for the position. May be repeated for credit.

## Department of Health, Physical Education, and Recreation

Phone: (512) 245-2561  
 Fax: (512) 245-8678

Office: Jowers Center A116  
 Web: <http://www.hper.txstate.edu/>

*Chair and Professor-Pankey. Professors-Furney, James, Johnson, Murray, Paese, Patton, Ransone, Wiley. Associate Professors-Awoniyi, Hamilton, Lloyd, Walker. Assistant Professors-Buswell, Erickson, Gustafson, Lantero, Soukup, Wilson. Instructors-Brice, Bukharina, Dibble, Fox, Gilbert, Gish, Harrington, Karlik, Kinlund, Levermann, Lewis, Rainey, Sabin, Smith, Spencer, Warren. Lecturers-Angell, Baker, Campos, Garcia, Heffner, Johnson, Litchke, Moreau, Nutt, O'Kelley, Plunkett, Rainey, Roberts, Stone, Woodard, Woodley. Program Faculty-Carranco, Christopher, Guffee, Honles, Johnston, Norwood, Terrell, White.*

### Degrees Programs Offered

- BESS, major in Exercise and Sports Science
- BESS, major in Exercise and Sports Science (with teacher certification)
- BESS, major in Athletic Training
- BESS, major in Athletic Training (with teacher certification)
- BESS, major in Athletic Training (Pre-Physical Therapy Emphasis)
- BESS, major in Health and Fitness Management
- BHWP, major in Health and Wellness Promotion
- BHWP, major in Health and Wellness Promotion (with All-Level Health Education teacher certification)
- BSRA, major in Recreational Administration
- BSRA, major in Recreational Administration (Therapeutic Recreation Emphasis)

### Minors Offered

- Coaching Athletics
- Exercise and Sports Science
- Health and Wellness Promotion

The Bachelor of Exercise and Sports Science prepares students for careers as teachers in elementary and secondary schools and as athletic coaches. Students must obtain an all-level certification. Graduates with teacher certification work in elementary and secondary schools in Texas and elsewhere.

Athletic training concerns all aspects of the athletes' health and safety. Athletic trainers help prevent injuries and provide immediate treatment and rehabilitation for injured athletes as directed by a team physician. The Bachelor of Exercise and Sports Science degree with a major in athletic training prepares students for the State of Texas Athletic Trainers' License and the National Athletic Trainer's Association Board of Certification examination. Texas State's athletic training education program was one of the first educational programs to receive National Athletic Trainers' Association (NATA) approval in 1974 and is presently accredited by the Commission on Accreditation of Allied Health Education Programs. An all-level teaching certificate is also available. Although most graduates work in secondary schools, many athletic trainers find positions with colleges and universities, professional sport teams, and sport medicine clinics.

The curriculum phase of athletic training is highly competitive, and entry into this phase of the athletic training major is not guaranteed upon completion of the pre-professional phase. The determining factors for admission into the clinical phase of the major include: academic achievement, successful completion of the pre-professional phase, expression of professional goals, observation/volunteer experience, and a structured interview. This program also provides option to obtain an athletic training degree with a Pre-PT emphasis that will fully prepare students to enter the application process for the physical therapy program. The Pre-PT emphasis gives undergraduate students an exceptional "head start" in gaining admission to a physical therapy school, whether here at Texas State or elsewhere.



The health and fitness management program is available under the Bachelor of Exercise and Sports Science degree and prepares students to direct fitness enterprises and wellness or health awareness programs in commercial, corporate, and institutional settings. Areas of study include fitness programming, stress management, smoking cessation, diet/nutrition, health-risk appraisal, and employee assistance. The curriculum also allows students to acquire the academic and clinical prerequisites needed to earn professional certification. Graduates work as fitness leaders, exercise testing technicians, cardiac rehabilitation specialists, or corrective therapists. Others are employed as salespersons, administrators, and managers of sports or fitness facilities.

Health promotion is the process of improving people's understanding, attitudes, and conduct regarding individual and community health. Professionals in health promotion teach elementary or secondary school, or they work in community health agencies. Texas State health promotion graduates work in education, emergency medical services, senior citizens programming, worksite wellness programs, Public Health Departments, Volunteer Health Organizations, and various other fields. The Bachelor of Health and Wellness Promotion provides a major in health and wellness promotion with all level certification or a non-teaching major with a specialization in community health promotion.

The Bachelor of Science in Recreational Administration combines classroom learning and on-the-job training. Students study such areas as recreation programming, leadership, marketing, evaluation, Leisure Education, administration, and therapeutic recreation. Recreational administration graduates, including those with an emphasis in therapeutic recreation, work in camps, nursing homes, community recreation centers, resorts, hospitals, rehabilitation facilities, fitness centers, and state and national parks. The program is nationally accredited, as well as the therapeutic recreation emphasis. Graduates of this program are eligible (sit for exams) for National Council for Therapeutic Recreation Certification (CTRS) and/or the National Recreation and Park Association's National Certification Board (CLP).

## **PFW General Education Courses**

The Texas State general education core curriculum includes a two-course physical fitness/wellness requirement. Veterans with a DD214 discharge form or those with similar active duty in the National Guard or Armed Forces of another nation may receive up to 4 hours of PE credit, thus fulfilling the Physical Fitness requirement. Students with documented disabilities should consult with the Health, Physical Education, and Recreation Department for appropriate accommodations.

The two-course requirement includes:

- Two courses from PFW 1101-1139, 1150-1164, and 1166-1225, **or**
- One course may be taken from the above list and one course may be taken from PFW 1140, 1149, 1165; and MU 1111C, 2111C, 3111C, or 4111C (marching band).

**Bachelor of Exercise and Sports Science**  
**Major in Exercise and Sports Science**  
**(Minimum required: 129-134 semester hours)**

## General Requirements:

1. Students are required to take 3 activity courses in addition to the 2 core PFW courses.
2. PE 1000 and 1179A are required and recommended to be taken during the first two years.
3. PE 1175A; PFW 1110A, 1110B, 1110F, 1135A, and 1135B are options for obtaining the third required activity course.
4. Any other PFW courses can be used to satisfy the 2 PFW core requirements.

<b>Freshman Year</b>	<b>Hours</b>
Natural Science Component.....	7
COMM 1310.....	3
ENG 1310, 1320.....	6
US 1100.....	1
HIST 1310, 1320.....	6
MATH 1315 or 1316 or 1319.....	3
PFW two courses.....	2
PHIL 1305.....	3
PE 1310.....	3
<b>Total</b>	<b>34</b>

<b>Junior Year</b>	<b>Hours</b>
ART DAN, MU, or TH 2313.....	3
CS 1308.....	3
PE 3117, 3317, 3320.....	7
PE advanced elective theory.....	3
Minor.....	3
Elective, free.....	12
<b>Total</b>	<b>31</b>

<b>Sophomore Year</b>	<b>Hours</b>
BIO 2430.....	4
H ED 2338 or 2354.....	3
Minor.....	6
ENG Literature.....	3
POSI 2310, 2320.....	6
Social Science Component.....	3
PE 2356, 3329.....	6
PE major/minor activities.....	3
<b>Total</b>	<b>34</b>

<b>Senior Year</b>	<b>Hours</b>
Minor.....	9-15
Elective, free.....	9-15
PE 4323, 4351.....	6
<b>Total</b>	<b>30-36</b>

**Bachelor of Exercise and Sports Science**  
**Major in Exercise and Sports Science (with teacher certification)**  
**(Minimum required: 128-137 semester hours)**

General Requirements:

1. For All-level Certification, a minor is required.
2. Students are required to take 3 activity courses in addition to the 2 core PFW courses. PE activity courses should be taken in the specific areas described below:  
 Fitness and Wellness (1 credit hour): PE 1100.  
 Team Sports (1 credit hour), select from: PE 1171A, 1172A, 1177A, 1178A.  
 Individual Sports (1 credit hour), select from: PE 1170A, 1176A, 1192A.  
 Conditioning (1 credit hour), select from: PE 1175A; PFW 1110A, 1110B, 1110F, 1135A, 1135B, 1190B.  
 Weight Training (1 credit hour): PE 1179A.
3. Any other PFW courses may be used to satisfy the 2 PFW core requirements.

<b>Freshman Year</b>	<b>Hours</b>
Natural Science Component.....	7-8
COMM 1310.....	3
Social Science Component.....	3
ENG 1310, 1320 .....	6
US 1100 .....	1
HIST 1310, 1320.....	6
MATH 1315 1316 or 1319 .....	3
PE 1310.....	3
PE major/minor activities .....	3
<b>Total</b>	<b>35-36</b>

<b>Junior Year</b>	<b>Hours</b>
ART, DAN, MU, or TH 2313.....	3
CI 3310 .....	3
PE 3117, 3317, 3320, 3324, 3329, 4323 .....	16
Minor .....	6-12
<b>Total</b>	<b>28-33</b>

<b>Sophomore Year</b>	<b>Hours</b>
BIO 2430.....	4
ENG Literature .....	3
PHIL 1305.....	3
PE 2320, 2356.....	6
PE major/minor activities.....	2
PFW two courses.....	2
POSI 2310, 2320 .....	6
Minor .....	9-12
<b>Total</b>	<b>35-38</b>

<b>Senior Year</b>	<b>Hours</b>
CI 3325, 4332, 4343.....	9
RDG 3323 .....	3
PE 3322, 4351 .....	6
PE advanced elective theory.....	3
Minor .....	3
ED 4380, 4381 .....	6
<b>Total</b>	<b>30</b>

**Bachelor of Exercise and Sports Science**  
**Major in Athletic Training**  
**(Minimum required: 140 semester hours)**

General Requirements:

1. Students are admitted into the degree program according to university policies, as well as regulations set forth by the National Athletic Trainers' Association, Commission on Accreditation of Allied Health Education Programs and the Board of Athletic Trainers of the State of Texas. Students desiring admission must see the program director to obtain an application. Please refer to <http://www.hper.txstate.edu/>
2. Students must be committed to taking the NATABOC exam, as well as the State of Texas License exam before graduation.
3. To be considered for admission to the athletic training education program, students must:
  - Enroll as a pre-athletic training major.
  - Complete the application including a professional letter and current resume.
  - Completion of three letters of reference using department form.
  - Complete PE 1298, 2156, 2356, and BIO 2340.
  - Hold current CPR/AED certification.
  - Complete the Directed Observation/Interview Process.
  - Other considerations: GPA, experience, attendance at workshops, clinics, campus, etc.
4. "Final Acceptance Objective Measurement of Pre-Athletic Training Student" is available to view at <http://www.hper.txstate.edu/hper/clubs/athleticTraining/ATAdmissionReq.htm>
5. Required Technical Standards for the program are available at the department web site listed above, in the PE 1298 Policy & Procedure Manual, or from the program director.
6. Students accepted into the program must successfully pass a physical examination and show current immunization records at the Texas State Student Health Center.
7. Students must purchase personal liability insurance through the HPER Department.
8. A minimum of three years of clinical experience at the university level is required. Clinical experience constitutes attendance at scheduled seminars and working a minimum of 20 clock hours each week as an athletic training student with approved supervision for a minimum of 600 hours each year.
9. Transfer students must get a transfer evaluation completed by the program director. Students should not assume classes taken at another institution will be accepted as credit for the program. Most required courses must be taken while enrolled as an athletic training major at Texas State. Clinical hours completed elsewhere are not transferable.
10. Upon completion of the degree, the applicant will be qualified for the State of Texas Athletic Trainers License and the National Athletic Trainers Association's Board of Certification's examination pending approval by the two boards after successfully passing the tests administered by the two respective boards.
11. Athletic training does not constitute a teaching field; therefore, if a teacher certification is desired, students must complete the exercise and sports science teaching certificate requirements. A second teaching field may be elected. Students electing a teaching certificate usually attend summer school and will student teach during the fall semester of the fifth year.
12. To obtain teacher certification, in addition to the degree requirements above, the following courses will be completed for the student desiring All-Level Teaching Certification in Physical Education while enrolled as an undergraduate student: three activity courses prescribed by the College of Education Advising Center and PE 2320, 3324, 3322; CI 3310, 3325, 4343, 4332; RDG 3323; and ED 4380, 4381. All teacher certification policies and procedures must be followed.

<b>Freshman Year</b>	<b>Hours</b>
BIO 1421 or 1430, 2430 .....	8
ENG 1310, 1320 .....	6
US 1100 .....	1
HIST 1310, 1320 .....	6
PE 1298, 1310, 2156, 2356 .....	9
H ED 2354 .....	3
PE 1128, 1179 .....	2

**Total** **35**

<b>Junior Year</b>	<b>Hours</b>
NUTR 3362 or 3364 .....	3
H ED 3348 .....	3
PE 3256, 3297, 3298, 3317, 3320 3329, 3146, 3246, 3117 .....	19
COMM 1310 .....	3
POSI 2320 .....	3
PSY 1300 .....	3
PHIL 1305 .....	3

**Total** **37**

<b>Sophomore Year</b>	<b>Hours</b>
Natural Science Component (Physics) .....	4
ENG Literature .....	3
MATH 1315 or 1316 or 1319 .....	3
PE 2297, 2298, 3126, 3128, 3136, 3236, 3258, 3326, 3328 .....	17
POSI 2310 .....	3
PT 3400 .....	4

**Total** **34**

<b>Senior Year</b>	<b>Hours</b>
ART, DAN, MU, or TH 2313 .....	3
PE 3356, 4297, 4298, 4323, 4351 .....	13
Minor .....	18

**Total** **34**

**Bachelor of Exercise and Sports Science**  
**Major in Athletic Training (with Pre-Physical Therapy Emphasis)**  
**(Minimum required: 130 semester hours)**

<b>Freshman Year</b>	<b>Hours</b>
BIO 1421, 2430 .....	8
PFW two courses (PE 1179 and 1128 recommended) .....	2
ENG 1310, 1320 .....	6
HIST 1310, 1320 .....	6
US 1100 .....	1
PE 2156, 2356 .....	4
PSY 1300 .....	3
COMM 1310 .....	3

**Total** **33**

<b>Junior Year</b>	<b>Hours</b>
PHYS 1410, 1420 .....	8
PE 3117, 3256, 3146, 3246, 3317, .....	9
PHIL 1305 .....	3
ART, DAN, MU or TH 2313 .....	3
H ED 2338 or 3348 .....	3
NUTR 3362 or 3364 .....	3
POSI 2320 .....	3

**Total** **32**

<b>Sophomore Year</b>	<b>Hours</b>
CHEM 1410, 1420 .....	8
PE 3126, 3128, 3136, 3236, 3258, 3320, 3326, 3328, .....	16
ENG Literature .....	3
MATH 1315 or 1316 or 1319 .....	3
POSI 2310 .....	3
H ED 2354 .....	3
HIM 2360 .....	3

**Total** **39**

<b>Senior Year</b>	<b>Hours</b>
PSY 2315 or 3315 .....	3
PT 3400 .....	4
PE 3356, 4323, 4317 or 4318 .....	9
PE 4360 .....	3
BIO 3421 .....	4
HP 3302 .....	3

**Total** **26**

**Bachelor of Exercise and Sports Science  
Major in Health and Fitness Management  
(Minimum required: 133 semester hours)**

## General Requirements:

1. Students are required to take 9 activity courses in addition to the 2 core PFW courses. PE activity courses should be taken in the specific areas described below:
  - PE 2356 is required.
  - Fitness and Wellness (1 credit hour): PE 1100.
  - Individual Sports (1-2 credit hours) select from: PE 1170A, 1176A, 1155G.
  - Conditioning (2-5 credit hours) select from: PE 1175A; PFW 1110A, 1110B, 1110F, 1135A, 1135B, 1190B.
  - Weight Training (1 credit hour): PE 1179A.
2. Any other PE courses can be used to satisfy the 2 PFW core requirements.

<b>Freshman Year</b>	<b>Hours</b>
CHEM 1310, 1430.....	7
COMM 1310.....	3
ENG 1310, 1320.....	6
US 1100.....	1
HIST 1310, 1320.....	6
MATH 1315 or 1316 or 1319.....	3
PFW two courses.....	2
PHIL 1305.....	3
PFW 1110F or 1110G or 1155G.....	3
<b>Total</b>	<b>34</b>

<b>Junior Year</b>	<b>Hours</b>
ART, DAN, MU, or TH 2313.....	3
CIS 3317.....	3
ECO 2301.....	3
BLAW 2361.....	3
MGT 3303.....	3
PE activities.....	2
PE 3317, 3320, 4351.....	9
PSY 3350 or 3361.....	3
Elective theory (must be writing intensive).....	3
<b>Total</b>	<b>32</b>

<b>Sophomore Year</b>	<b>Hours</b>
ACC 2361, 2362.....	6
BIO 2430.....	4
ENG Literature.....	3
H ED 2340.....	3
PE 1175A or PFW 1110E, 1176A, 1178A, 1179A, 2356.....	7
POSI 2310, 2320.....	6
REC 1320.....	3
<b>Total</b>	<b>32</b>

<b>Senior Year</b>	<b>Hours</b>
PE 3323, 4323, 4317, 4217.....	11
H ED 4340, 4350.....	6
FCS 3362 or 4302I.....	3
MC 3343.....	3
MKT 3343.....	3
SOCI 3340.....	3
H ED 4660.....	6
<b>Total</b>	<b>35</b>

**Bachelor of Health and Wellness Promotion**  
**Major in Health and Wellness Promotion**  
**(Minimum required: 131 semester hours)**

General Requirements:

1. Suggested Electives: TECH 1450, 3350; BIO 2440, 3351, 3407; MC 3367; SOCI 3319, 3327, 3383; SOWK 2375, 3312, 4315 (if a Sociology minor is desired, three of the Sociology courses must be elected). It is suggested that a person who is not proficient in Spanish take SPAN 1410 and 1420.

<b>Freshman Year</b>	<b>Hours</b>	<b>Sophomore Year</b>	<b>Hours</b>
BIO 1310 .....	3	BIO 1420, 2430 .....	8
COMM 1310 .....	3	ENG Literature .....	3
ENG 1310, 1320 .....	6	H ED 2340, 3301, 2354, 3376 .....	12
US 1100 .....	1	PHIL 1305 .....	3
H ED 1310, 2338 .....	6	PFW one course .....	1
HIST 1310, 1320 .....	6	POSI 2310, 2320 .....	6
MATH 1315 or 1316 or 1319 .....	3	SOCI 1310 .....	3
PFW one course .....	1		
SOWK 1350 .....	3		
Social Science Component .....	3		
<b>Total</b>	<b>35</b>	<b>Total</b>	<b>36</b>
<b>Junior Year</b>	<b>Hours</b>	<b>Senior Year</b>	<b>Hours</b>
ART DAN, MU, or TH 2313 .....	3	HP 2351, 3302 .....	6
H ED 3348, 4340, 3350 .....	9	H ED 4350, 4660 .....	9
NUTR 3362 .....	3	PE 3317 .....	3
MC 3343 .....	3	Electives .....	12
CS 1308 .....	3		
PSY 3350 .....	3		
SOCI 3324 & 3327 or 3363 .....	6		
<b>Total</b>	<b>30</b>	<b>Total</b>	<b>30</b>

**Bachelor of Health and Wellness Promotion**  
**Major in Health and Wellness Promotion**  
**(with all level teacher certification)**  
**(Minimum required: 131-137 semester hours)**

## General Requirements:

1. Courses toward a second teaching major are recommended in order to improve job opportunities.
2. Consult academic advisor if you plan to student teach in an additional teaching field (18-24 hours).

<b>Freshman Year</b>	<b>Hours</b>
BIO 1310 .....	3
COMM 1310.....	3
ENG 1310, 1320 .....	6
US 1100 .....	1
H ED 1310, 2354 .....	6
HIST 1310, 1320.....	6
MATH 1315 or 1316 or 1319 .....	3
PFW one course .....	1
Social Science Component.....	3
<b>Total</b>	<b>32</b>

<b>Junior Year</b>	<b>Hours</b>
ART, DAN, MU, or TH 2313 .....	3
CS 1308 or PSY 3353 .....	3
CI 3310 .....	3
H ED 3348, 3342, 3360, 4340, 3321.....	15
H ED 3301 or 3350.....	3
Second teaching field.....	3-9
<b>Total</b>	<b>33-39</b>

<b>Sophomore Year</b>	<b>Hours</b>
BIO 1420, 2430.....	8
ENG Literature .....	3
H ED 2338, 2340.....	6
PHIL 1305.....	3
PFW one course .....	1
POSI 2310, 2320 .....	6
Second teaching field .....	9
<b>Total</b>	<b>36</b>

<b>Senior Year</b>	<b>Hours</b>
CI 3325, 4332, 4343 .....	9
RDG 3323 .....	3
H ED 4336 & 4350 .....	6
Second teaching field .....	6
ED 4681 .....	6
<b>Total</b>	<b>30</b>



**Bachelor of Science in Recreational Administration**  
**Major in Recreational Administration**  
**(Minimum required: 130-132 semester hours)**

General Requirements:

1. Students completing requirements in Recreational Administration will be eligible to sit for the certification examination given by the National Certification Board of the National Recreation and Park Association.
2. Supportive courses are to be prescribed by faculty advisor.

<b>Freshman Year</b>	<b>Hours</b>
COMM 1310.....	3
ENG 1310, 1320.....	6
US 1100.....	1
HIST 1310, 1320.....	6
MATH 1315 or 1316.....	3
PHIL 1305.....	3
PFW one course.....	2
REC 1310, 1370, 2330.....	9
<b>Total</b>	<b>33</b>

<b>Junior Year</b>	<b>Hours</b>
ART, DAN, MU, or TH 2313.....	3
MKT 3343.....	3
TECH 1450 or 3350, or MC 2374 or 3343.....	3-4
COMM 1315 or 2330 or 2320 or 2338.....	3
Supportive courses.....	6
REC 3325, 3340, 3351, 4381.....	12
Elective.....	3
<b>Total</b>	<b>33-34</b>

<b>Sophomore Year</b>	<b>Hours</b>
ACC 2361.....	3
ENG Literature.....	3
Natural Science Component.....	7-8
Social Science Component.....	3
SOCI 2310, 2320.....	6
CIS 1323, or CS 1308, or AG 2390.....	3
REC 1330, 2335, 3360.....	9
<b>Total</b>	<b>34-35</b>

<b>Senior Year</b>	<b>Hours</b>
H ED 1310, 2338, 3321, PE 3317, 3320.....	3
REC 4350, 4380, 4680.....	12
Supportive courses.....	9
Electives.....	6
<b>Total</b>	<b>30</b>

**Bachelor of Science in Recreational Administration**  
**Major in Recreational Administration**  
**(with Therapeutic Recreation Emphasis)**  
**(Minimum required: 128-130 semester hours)**

General Requirements:

1. Students completing requirements for the Therapeutic Recreation Emphasis will be eligible to sit for the certification exam given by the National Council for Therapeutic Recreation Certification and the Texas Consortium for Therapeutic Recreation/Activities Certification..
2. Supportive courses are to be prescribed by faculty advisor.

<b>Freshman Year</b>	<b>Hours</b>	<b>Sophomore Year</b>	<b>Hours</b>
ENG 1310, 1320 .....	6	COMM 1310 .....	3
US 1100 .....	1	COMM 1315, 2330, 2320, 2338 .....	3-4
HIST 1310, 1320.....	6	ENG Literature .....	3
MATH 1315 or 1316 .....	3	H ED 2354 .....	3
Natural Science Component.....	7-8	PHIL 1305 .....	3
PFW two courses .....	2	POSI 2310, 2320 .....	6
REC 1310, 1370, 2330.....	9	Social Science Component.....	3
		REC 1330, 2335, 3360 .....	9
<b>Total</b>	<b>34-35</b>	<b>Total</b>	<b>33</b>
<b>Junior Year</b>	<b>Hours</b>	<b>Senior Year</b>	<b>Hours</b>
ART, DAN, MU, or TH 2313 .....	3	MKT 3343 .....	3
BIO 2430 .....	4	REC 4380 .....	3
CIS 1323, CS 1308, AG 2390, or TECH 2365 .	3	REC 4370, 4350, 4680 .....	12
PSY 2315 .....	3	Supportive courses .....	9
REC 3325, 3340, 3351, 4381 .....	12	PSY 3315 .....	3
REC 2370, 4320.....	6		
<b>Total</b>	<b>31</b>	<b>Total</b>	<b>30</b>

### Minor in Coaching Athletics

A minor in Coaching Athletics is a 24 credit hour program that will help students enhance their ability to lead others by offering a concentration of courses selected to develop six components representing the essential elements for certifying coaches in education. These essential elements are: (1) medical-legal aspects of coaching,, (2) human growth and developmental aspects of coaching, (3) psycho-social aspects of coaching, (4) bio-physical aspects of coaching, (5) theoretical and technical aspects of coaching and (6) practicum in athletic coaching.

The five required core courses are PE 1310, 2356, 3317, 3320, and 3329. Two theoretical courses are to be elected from PE 3340, 4391, 4392 or 4393. The independent study course that will be used as a practicum is PE 4337.

- Core courses: 15 hours from PE 1310, 2356, 3317, 3320, 3329
- Courses from the Theoretical Block: 6 hours from PE 2390, 3322, 3340, 4391, 4392, 4393
- An internship or practicum experience: PE 4337

Students select an independent study course that will serve as their practicum and permit them to apply coaching principles and skills in a specific context. Part of this independent study will require students to work with coaches, either in college, public school or recreational program outside of the campus environment. This will allow the students to gain on-hands experience and expertise. Students will be evaluated on their cognitive and professional skills developed by the Texas State instructor and their collaborating site supervisors.

### **Minor in Exercise and Sports Science**

A minor in exercise and sports science requires 25 hours, including PE 1310, 2356, 3117, 3317, 3320, 4323 or 3329, 4351, 3 hours PE elective theory; 3 PE major/minor courses (PE 1170-1192).

### **Minor in Health and Wellness Promotion**

A minor in health and wellness promotion requires 24 hours, including H ED 1310, 2338, 2340, 3301, 3348, 3350, 4340, and 4350.

### **Courses in Health Education (H ED)**

**1310 (PHED 1304) Foundations of Health. (3-0)** An introduction to health education to acquaint students with basic principles of orthobiosis. Emphasis on the relevance of educating for health, present health trends and their implications.

**2338 (PHED 1346) Contemporary Drug Issues. (3-0)** Explores problems of decision making, emotional health, and choice of life styles in modern culture. Emphasis is upon prevention and effective teaching as a tool in this process. All mood and behavior modifiers are taken into consideration, as well as effects of drug dependency.

**2340 Community Health. (3-0)** Acquaints the student with all aspects of community and public health, functions of the community, voluntary and public health services at local, state, national, and international levels. Selected current health problems, pathological conditions, poverty, health care delivery problems related to school health.

**2354 (PHED 1306) First Aid and Safety Education. (3-0)** Lecture, laboratory course in Standard First Aid procedures, Cardiopulmonary Resuscitation, and safety education. Opportunities given for American Red Cross Certification.

**3301 Environmental Health Issues. (3-0)** An examination of the ecological impact resulting from contemporary sociopolitical action and its resulting influence on human health.

**3321 Health in the Elementary Setting. (3-0)** Examination of traditional content matter in health promotion at the elementary level.

(WI) **3342 School Health Program. (3-0)** Function and scope of school health services and healthful school living. Investigation and developing skills in screening tests, health appraisals, health counseling, accident prevention, and supervision of the health environment and health service personnel.

**3348 Prevention of Disease. (3-0)** Epidemiology of disease entities, identification and control of major communicable diseases of man. Special emphasis pertains to chronic disease, and the present epidemic of sexually transmitted disease in our society.

**3350 Consumer Health. (3-0)** Involves students in establishing concepts toward self-protection against the continual bombardment in sales promotion about health products and services. The legislation, investigation, and education conducted by organization and agencies. Content includes prevention of quackery in unsolved health problems.

**3360 Family Life and Sex Education. (3-0)** An in-depth study for the prospective elementary and secondary teacher concerning the topic of instruction and the methods of teaching for grades kindergarten through twelfth in family life and sex education. Special emphasis on curriculum development and implementation.

**3376 Health Promotion in the Workplace. (3-0)** The purpose of this course is to orient students with the concept of health promotion as it relates to worksite wellness. Focus will be upon the planning, implementation, and evaluation of worksite wellness programs. Also to be discussed are other contemporary health issues in society.

**4336 Concepts and Resources for Health and Wellness Promotion. (3-0)** A survey of the function, roles, practices, concepts and activities that are generic to practitioners in health and wellness promotion programs. Content includes conducting health needs assessment, planning, prevention concepts, models for health promotion and marketing, implementation guidelines, program evaluation and programming for special health concerns including stress management, weight control, and smoking cessation.

(WI) **4340 Principles of Community Health Education. (3-0)** Application of principles and techniques of public relations in the community health oriented settings, consideration of different communication media, analysis of the effectiveness of each. Content includes group dynamics in relation to the special needs of community health educators, basic issues and assumptions, group cohesiveness, leadership and group performance. Prerequisite H ED 2340.

**4347 Independent Study in Health Promotion. (3-0)** Designed for the undergraduate student who displays promise and aptitude for independent research study of a special problem in health promotion. Tutorial support will direct and enrich the research study project and will provide an opportunity for professional growth. Open on an individual basis by arrangement with the department chair. Repeatable for credit with different emphasis.

**4350 Community Health Analysis. (3-0)** Methods of evaluating community health needs and health education programs including instrument design, data gathering techniques, ability to use demographic data and vital statistics, interpreting, reporting, and application of findings for program involvement.

**4354 Instructor First Aid. (3-0)** Lecture, discussion, demonstration, and skill practice in community first aid and CPR, including instructor training. Opportunity for attaining American Red Cross instructor certification for Community First Aid and Safety is given. No prerequisites are required.

(WI) **4660 Internship in Public Health. (0-18)** Participation in the on-going work of an official and/or voluntary health agency. The internship will be supervised by a member of the health education faculty. A minimum of one conference hour per week. Prerequisites: H ED 4340, 4350.

### **Courses in Physical Education (PE)**

PE 1100 through 1192 are physical education major-minor courses. Non-major/minors may enroll only with authorization of the department.

**1100 Lifetime Fitness and Wellness**

**1170A Beginning Badminton (0-2)**

**1171A Beginning Basketball (0-2)**

**1172A Beginning Field Sports (0-2)**

**1175A Beginning Jogging/Conditioning (0-2)**

**1176A Beginning Tennis (0-2)**

**1177A Beginning Track and Field (0-2)**

**1178A Beginning Volleyball (0-2)**

**1179A Beginning Weight Training (0-2)**

**1192A Beginning Balance and Tumbling (0-2)**

**1128 Aquatic Therapy I. (1-1)** The course will provide instruction in the basic principles and concepts of aquatic therapy. Arthritis Aquatic Exercise Leader Certification is available. Swimming ability is essential.

**1129 Aquatic Therapy II. (1-1)** The course will provide instruction in advanced principles and concepts of aquatic therapy leading to the national certification by the American Alliance for Health, Physical Education, Recreation, and Dance. Prerequisites: PE 1128 and swimming ability.

**1225 Water Safety Instructor. (1-2)** To provide instruction on the American Red Cross method of teaching swimming. Students should have the skills and information to complete the American Red Cross requirements for the WSI certification.

**1298 Orientation to Athletic Training Education. (1-1)** Pre Athletic Training majors will be introduced to the academic and clinical aspects of the CAAHEP accredited athletic training education program. The course is utilized as part of the rigorous student evaluation process before formal entrance into the athletic training education program.

**1310 (PHED 1301) Foundations of Exercise and Sports Science. (3-0)** Introduction to the various areas of physical education, including brief historical backgrounds, professional opportunities, present status, past and present leaders, individual awareness of professional responsibilities; familiarization with current trends and issues, and professional literature.

**2156 Taping and Bandaging Athletic Injuries. (1-1)** The use of taping and bandage techniques used in the prevention and care of athletic injuries.

**2297 Clinical Experience in Athletic Training I. (2-20)** Involves immediate care topics integrated into clinical education experience which provides for psychomotor, cognitive, and affective skills, and clinical proficiencies; and field experiences providing informal learning, practice, and application of clinical proficiencies in a clinical environment under the supervision of an approved instructor. Repeatable for credit with different emphasis. Prerequisite: Instructor consent.

**2298 Clinical Experience in Athletic Training II. (2-20)** Involves initial evaluation techniques integrated into both a clinical education experience which provides for psychomotor, cognitive, and affective skills, and clinical proficiencies; and field experiences providing informal learning, practice, and application of clinical proficiencies in a clinical environment under the supervision of an approved instructor. Prerequisite: PE 2297.

**2320 Motor Development. (3-0)** A study of fundamental and specialized movement skills for the purpose of developing skill technique knowledge and instruction. Special emphasis will be placed on the application of error detection and correction.

**2356 Prevention and Care of Athletic Injuries. (3-0)** Study of massage, care of sprains, bruises, strains, wounds, and problems of the athletic training room.

**(WI) 2365 (PHED 1333) Rhythm and Movement Activities. (3-2)** Rhythmical movement exploration as a basis of developing basic movement skills, fitness, and dance activities. Right and left brain developmental theories will be explored in conjunction with creative/ rhythmic movement discovery. Beginning modern dance or recreational dance recommended.

**2390 Concepts and Techniques of Coaching. (3-0)** Explores general concepts and techniques as they pertain to the professional preparation of the athletic coach.

**3117 Applied Laboratory in Exercise Physiology. (0-2)** This course provides students with experiences in laboratory and field methods of 1) exercise testing and prescription and 2) exercise, health, and fitness assessment. Co-requisite: PE 3317.

**3126 Applied Laboratory of Upper Extremity Injuries. (0-2)** This course will present a study and critical analysis of the anatomy, injury signs and symptoms and specific tests used in the clinical evaluation of upper extremity injuries to the physically active individual. Co-requisite: PE 3326.

**3128 Applied Laboratory of Lower Extremity Injuries. (0-2)** This course will present a study and critical analysis of the anatomy, injury signs and symptoms and specific tests used in the clinical evaluation of lower extremity injuries to the physically active individual. Co-requisite: PE 3328.

**3136 Applied Laboratory for Therapeutic Modalities. (0-2)** This course provides students with experiences in laboratory and field applications of therapeutic modalities of all athletic injuries. Co-requisite: PE 3236.

**3146 Applied Laboratory in Therapeutic Exercise. (0-2)** This course provides students with experiences in laboratory and field applications of therapeutic exercise and assessment in the rehabilitation of all athletic injuries. Co-requisite: PE 3246.

**3236 Therapeutic Modalities. (2-0)** This course is designed to provide both a theoretical and clinical basis for the use of therapeutic modalities in the rehabilitation setting, as well as impart knowledge pertaining to the physiological effects, indications, contraindications and applications of therapeutic modalities and in the rehabilitation of all athletic injuries. Co-requisite: PE 3136.

**3246 Athletic Therapeutic Exercise. (2-0)** This course is designed to provide both a theoretical and clinical basis for the use of therapeutic exercise in the rehabilitation setting, as well as impart knowledge pertaining to the physiological effects, indications, contraindications, and applications of therapeutic exercise and in the rehabilitation of athletic injuries. Prerequisites: PE 3320, 3326, 3328. Co-requisite: PE 3146.

**3256 Athletic Therapeutic Medications. (2-0)** The course will examine various drugs and medications used in the athletic training environment as they relate to the injuries and illnesses of physically active people.

**3258 Pathology for the Athletic Trainer. (2-0)** This course will examine the physiological responses of human growth and development and their relationship with the progression of injuries, illnesses, and diseases to the physically active individual. Specific problems as they occur in an athletic training environment will be examined.

**3297 Clinical Experience in Athletic Training III. (2-20)** Involves evaluation techniques integrated into both a clinical education experience which provides for psychomotor, cognitive, and affective skills, and clinical proficiencies; and field experiences providing informal learning, practice, and application of clinical proficiencies in a clinical environment under the supervision of an approved instructor. Prerequisite: PE 2298.

**3298 Clinical Experience in Athletic Training IV. (2-20)** Involves therapeutic modality techniques integrated into both a clinical education experience which provides for psychomotor, cognitive, and affective skills, and clinical proficiencies; and field experiences providing informal learning, practice, and application of clinical proficiencies in a clinical environment under the supervision of an approved instructor. Prerequisite: PE 3297.

**3303 Assistant Instructor. (6-3)** Lecture, laboratory in teaching skills leading to assistant instructor's certification (National Association of Underwater Instructors). An appropriate personal lifetime fitness and wellness component will be included. Prerequisite: PFW 1201.

**3304 Divemaster. (6-3)** Designed to train highly competent divers in skills to supervise and organize all phases of recreational diving. An appropriate personal lifetime fitness and wellness component will be included. Prerequisite: PE 3303.

**3317 The Physiology of Exercise. (3-0)** Application of physiological principles to health and physical education with an analysis of the manner in which the body reacts to the exacting requirements of exercise. Prerequisite: BIO 2430 or equivalent. Co-requisite: PE 3117.

**3320 Kinesiology. (3-0)** Study of human movement from the point of view of the physical sciences. Experiences are provided in the analysis of motor performance through practical application of mechanical and anatomical laws.

**3321 Physical Activities for Elementary Students. (3-0)** Examination of traditional content matter and innovative techniques in physical education for elementary students. Course may not be counted in the health and wellness promotion or exercise and sports science major/minor programs.

**3322 Theory of Sports Techniques. (2-2)** The theory and curriculum underlying sports applied to practical secondary school situations; special emphasis upon aids, equipment, organization, control and management, and classification of participants instruction and practice in officiating. Prerequisite: Permission of the department.

(WI) **3323 Rationale and Principles of Movement Science. (3-0)** Social, political, economic, historical, and psychological backgrounds are studied as sources for forming basic principles in relation to physical well-being. Specific units of work include study of the psychological, social and cultural changes and legal ramifications associated with movement sciences.

**3324 Movement Exploration in Exercise and Sports Science. (2-2)** Introduction to the principles and content of movement exploration, fundamental and specialized sports skills with an emphasis on skill themes, movement concepts, perceptual motor development and basic lead-up activities for sports.

**3326 Evaluation Techniques of Upper Extremity Injuries. (3-0)** The course will present a study and critical analysis of the anatomy, injury signs and symptoms and specific tests used in the clinical evaluation of upper extremity injuries to the physically active individual. Co-requisite: PE 3126.

**3328 Evaluation Techniques of Lower Extremity Injuries. (3-0)** The course will present a study and critical analysis of the anatomy, injury signs and symptoms and specific tests used in the clinical evaluation of lower extremity injuries to the physically active individual. Co-requisite: PE 3128.

(WI) **3329 Introduction to Motor Learning. (3-0)** Physiological and psychological development of the child in relation to learning neuromuscular activities. Inquiry will be made into the various motor learning theories.

**3340 Coaching of Women's Sports. (3-0)** Techniques and theories underlying the coaching of girls' and women's sports. Special emphasis upon aids, equipment, organization, and administration of the program.

**3356 Management of Athletic Training Programs. (3-0)** Provides a review of measures for the prevention, management, and rehabilitation of athletic injuries. Problems such as nutrition, physical examination, and athletic training facilities and equipment are discussed.

**4297 Clinical Experience in Athletic Training V. (2-20)** Involves therapeutic exercise techniques integrated into both a clinical education experience which provides for psychomotor, cognitive, and affective skills, and clinical proficiencies; and field experiences providing informal learning, practice, and application of clinical proficiencies in a clinical environment under the supervision of an approved instructor. Prerequisite: PE 3298.

**4298 Clinical Experience in Athletic Training VI. (2-20)** Involves management skills and professional examination preparation integrated into both a clinical education experience which provides for psychomotor, cognitive, and affective skills, and clinical proficiencies; and field experiences providing informal learning, practice, and application of clinical proficiencies in a clinical environment under the supervision of an approved instructor. Prerequisite: PE 4297.

**4317 Exercise Testing and Prescription. (2-2)** To develop knowledge, skills, and competence required to access and prescribe exercise for various populations and to gain practical experience related to health/fitness management programs.

**4318 Exercise Testing and Prescription Practicum. (2-2)** Presents the most current exercise and sports science information on exercise testing and programming of people of all different age, fitness levels, and disease states. Provides students with fundamental knowledge, competence, and skills necessary to conduct safe and valid physical fitness instruction, health appraisal, and fitness testing. Prerequisites: PE 3117, 3317.

(WI) **4323 Adapted Physical Education. (3-2)** Selecting special activities in terms of individual needs and capacities and modifying those found in the regular program. Opportunity to engage in activities and to observe demonstrations including persons with disabilities.

**4337 Independent Study of Special Problems in Physical Education. (3-0)** For the undergraduate student who displays promise and aptitude in physical education research. The student learns the procedures, collects data pertinent to, and analyzes the results of the research. Repeatable for credit with different emphasis. Prerequisites: 3.00 or higher GPA and permission of the department.

**4351 Measurement and Evaluation. (3-0)** Measurement techniques unique to the evaluation of physical performance objectives, including physical fitness and acquisition of basic motor and sports skills. Practical experiences are provided in test administration, scoring, and interpretation of results.

**4360 Internship in Clinical Settings. (0-6)** Students will be introduced to the clinical aspects of clinical professions by being assigned to a minimum of two clinical sites. Prerequisite: Consent of the instructor.

**4391 Football Coaching. (3-0)** Methods of coaching are studied through lectures, demonstrations, and reading of present-day literature.

**4392 Basketball Coaching. (3-0)** Methods of coaching will be studied through lectures, demonstrations, and reading present-day literature.

**4393 Coaching Track/Field. (3-0)** The purpose of this course is to train students to become track/field coaches in the public schools. The focus of the course will be on the fundamentals of the sports, the formulation of practice schedules, game or meet preparation, and the handling of young athletes.

### **Courses in Physical Fitness/Wellness (PFW)**

- 1101 (PHED 1164) Lifetime Fitness & Wellness (0-2)
- 1110A (PHED 1164) Beginning Aerobics (0-2)
- 1110B (PHED 1164) Intermediate Aerobics (0-2)
- 1110C (PHED 1164) Gymnastics (0-2)
- 1110D (PHED 1164) Balance & Tumbling (0-2)
- 1110E (PHED 1164) Beginning Jogging/Conditioning (0-2)
- 1110F (PHED 1164) Basic Fitness Activities (0-2)
- 1110G (PHED 1164) Beginning Weight Lifting (0-2)
- 1110H (PHED 1164) Physique Development (0-2)
- 1110I (PHED 1164) Beginning Cycling (0-2)
- 1110J (PHED 1164) Intermediate Cycling (0-2)
- 1110K (PHED 1164) Restricted Fitness Activities (2-0)
- 1114 (PHED 1164) Fitness Activities (0-2)
- 1125A (PHED 1164) Wrestling (0-2)
- 1130A (PHED 1164) Beginning Basketball (0-2)
- 1130B (PHED 1164) Soccer (0-2)
- 1135A (PHED 1164) Water Aerobics (0-2)
- 1135B (PHED 1164) Aquatic-Conditioning (0-2)
- 1140A (PHED 1164) Football Varsity (0-6)
- 1140B (PHED 1164) Basketball - Men's Varsity (0-6)
- 1140C (PHED 1164) Basketball - Women's Varsity (0-6)
- 1140D (PHED 1164) Track & Field - Men's Varsity (0-6)
- 1140E (PHED 1164) Track & Field - Women's Varsity (0-6)
- 1140F (PHED 1164) Volleyball – Women's Varsity (0-6)
- 1140G (PHED 1164) Baseball - Men's Varsity (0-6)
- 1140H (PHED 1164) Softball - Women's Varsity (0-6)
- 1140I (PHED 1164) Soccer-Women's Varsity (0-2)
- 1149 (PHED 1164) Strutters (1-9)
- 1150A (PHED 1164) Beginning Archery (0-2)
- 1150B (PHED 1164) Beginning Bowling (0-2)
- 1150C (PHED 1164) Intermediate Bowling (0-2)
- 1150D (PHED 1164) Beginning Golf (0-2)
- 1150E (PHED 1164) Intermediate Golf (0-2)
- 1150F (PHED 1164) Self Defense (0-2)
- 1150G (PHED 1164) Restricted Leisure Activities (0-2)
- 1150H (PHED 1164) Western Horsemanship (0-2)
- 1150I (PHED 1164) Hunt Seat Equitation (0-2)
- 1154 (PHED 1164) Leisure/Recreation Activities (0-2)
- 1154A Challenge Course Facilitation – Low Elements. (0-1)
- 1154B Challenge Course Facilitation – High Elements. (0-1)
- 1154C Backpacking (0-1)
- 1155A (PHED 1164) Beginning Badminton (0-2)
- 1155B (PHED 1164) Beginning Fencing (0-2)
- 1155C (PHED 1164) Intermediate Fencing (0-2)
- 1155D (PHED 1164) Advanced Fencing (0-2)
- 1155E (PHED 1164) Fencing – Epee (0-2)



1155F	(PHED 1164) Fencing – Sabre (0-2)
1155G	(PHED 1164) Racquetball (0-2)
1155H	(PHED 1164) Beginning Tennis (0-2)
1155I	(PHED 1164) Intermediate Tennis (0-2)
1155J	(PHED 1164) Judo (0-2)
1155K	(PHED 1164) Beginning Karate (0-2)
1155L	(PHED 1164) Intermediate Karate (0-2)
1155M	(PHED 1164) Advanced Karate (0-2)
1155N	(PHED 1164) Pocket Billiards (0-2)
1160A	(PHED 1164) Softball (0-2)
1160B	(PHED 1164) Beginning Volleyball (0-2)
1160C	(PHED 1164) Intermediate Volleyball (0-2)
1165A	(PHED 1164) Golf - Men's Varsity (0-6)
1165C	(PHED 1164) Tennis - Women's Varsity (0-6)
1180A	(DANC 1147) Beginning Jazz (0-2)
1180B	(DANC 1148) Intermediate Jazz (0-2)
1180C	(DANC 2147) Advanced Jazz (0-2)
1180D	(DANC 1141) Beginning Ballet (0-2)
1180E	(DANC 1142) Intermediate Ballet (0-2)
1180F	(DANC 2141) Advanced Ballet (0-2)
1180G	(DANC 1145) Beginning Modern Dance (0-2)
1180H	(DANC 1146) Intermediate Modern Dance (0-2)
1180I	(DANC 2145) Advanced Modern Dance (0-2)
1180J	(DANC 1122, 1128, 1133) Beginning Recreational Dance (0-2)
1180K	(PHED 1164) Ballet Folklorico (0-2)
1180L	Dance Team Directing (0-2)
1190A	Canoeing (0-2)
1190B	(PHED 1164) Beginning Swimming (0-2)
1190C	(PHED 1164) Intermediate Swimming (0-2)
1190D	(PHED 1164) Skilled Swimming (0-2)
1190E	(PHED 1164) Lifeguard Training
1190F	Beginning Scuba (0-2)
1201	Advanced Scuba Diving (1-3)
1204	Underwater Photography (1-3)

All PFW courses meet two clock hours per week for one semester hour credit unless otherwise designated.

## Courses in Recreational Administration (REC)

**1310 Introduction to Recreation and Leisure Services. (3-0)** Introduction to recreation, includes brief historical backgrounds, professional opportunities, present status, past and present leaders. Role of leisure time in our social structure, professional responsibility, familiarization with current issues and trends, and professional literature. Lecture and field trips. A grade of "C" or higher in this course is required to enroll in any upper division Recreational Administration courses.

**1330 Leisure and Outdoor Recreation. (3-0)** An overview of the role of the natural world in recreation and leisure services. The course will focus on values of outdoor recreation, outdoor education, adventure recreation, environmental impact, and the role of government in the provision of outdoor recreation.

**1370 Introduction to Therapeutic Recreation. (3-0)** History, philosophy, appropriate terminology and professional opportunities in therapeutic recreation profession. Identification of client groups and the role leisure time activity plays in their lives. Lecture and field trips.

**2330 Leadership in Recreation and Leisure Services. (2-2)** Discussion of leadership theories and skill development for indoor-outdoor games and sports. Teaching activities to develop skill in programming various indoor/outdoor recreational settings.

(WI) **2335 (PHED 1336) Recreation Program Development. (3-0)** Basic principles and procedures for developing recreation programs responsive to human needs. Provides the opportunities to acquire and utilize recreation programming skills through practical application.

**2370 Practices and Interventions in Therapeutic Recreation. (3-2)** Acquiring knowledge, understanding and application of practices in therapeutic recreation services. Emphasis on facilitation and intervention strategies and “helping” techniques in clinical and community settings, as they relate to administration and current critical issues facing the field. Prerequisite: REC 1370.

**3325 Recreation Administration. (3-0)** Organization and administration practices such as budgeting and purchasing, office management, annual reports, supervision of personnel, working with boards and volunteer leaders.

**3340 Design and Maintenance of Recreational Facilities. (2-2)** Introduce theories and provide practical experience in the design, development, operation, maintenance, administration of various recreational facilities. Prerequisite: REC 2335.

(WI) **3351 Evaluation of Leisure Service Programming. (3-0)** Methods, techniques and application of the evaluation process related to a wide variety of leisure service functions: clientele and prospective participants, programs, personnel, facilities, organizations and literature. Prerequisite: REC 2335.

**3360 Field Work in Recreation Leadership. (0-10)** The student participates at the leadership level in the ongoing work of a selected recreation agency. The work is supervised by an agency representative and a faculty member trained in the recreation field. Prerequisite: REC 1310.

**3370 Assessment and Documentation in Therapeutic Recreation. (3-0)** Emphasis on assessment basics, theory, methods, standards, issues, process, and test construction along with related diagnostic application for clinical and community settings. Study of standardized assessment tools for recreational therapy and related fields. Basic rules and notation format for documentation in medical charts and residential treatment/community facilities.

**4318 Selected Topics in Recreation and Leisure Services. (3-0)** A topic course in selected professional applications of Recreation and Leisure Services. Topics to include: Military Recreation, Commercial and Entrepreneurial Recreation, Campus Recreation, and Leisure and Aging.

**4318A Military Recreation (3-0)**

**4318B Campus Recreation (3-0)**

**4318C Commercial and Entrepreneurial Recreation**

**4318D Leisure and Aging**

**4318E Advanced Outdoor Recreation**

**4320 Leisure Education. (3-0)** A philosophical overview of leisure education emphasizing the approaches and strategies that can be utilized in leisure education process.

(WI) **4337 Independent Study in Recreational Administration. (3-0)** Individual study related to recreational administration under direct supervision of a faculty member.

(WI) **4350 Theories and Methods of Supervision in Recreation and Leisure Services. (3-0)** Presents theories and methods relating to recruiting, selecting, hiring, training, disciplining and discharging employees. Also addresses legal issues related to personnel.

(WI) **4370 Principles of Therapeutic Recreation. (3-0)** Knowledge and understanding of the principles of therapeutic recreation services. Acquiring ability to apply this knowledge in developing appropriate therapeutic recreation programs and services relative to motor, social and educational needs of participants. Prerequisites: REC 1370, 2370.

(WI) **4380 Seminar in Recreation. (3-0)** Seminar on current problems and trends in the delivery of leisure services. Specific emphasis is placed on cause and effect interactions of leisure services programs and environmental issues. Prerequisite: REC 3351.

**4381 Directed Field Experience in Programming Recreation. (0-10)** The student participates at the programming/leadership level in the ongoing work of a selected recreation agency. The work is supervised by an agency representative and a faculty member trained in the recreation field. Prerequisites: REC 2335, 3360.

**4680 Internship in Recreation. (0-20)** The student participates at the administrative level in the ongoing work of a selected parks and recreation agency. The work is supervised by an agency representative and a faculty member trained in the recreation field. All other courses should be completed.