Program Overview

The Master of Science (M.S.) degree with a major in Exercise Science concentration in Health and Rehabilitation Sciences is a multi-disciplinary program designed to prepare graduates for multiple health-promotion careers. The program focuses on understanding and integrating diverse health and rehabilitation research to inform evidence-based practice. This degree supports current allied health professionals and assists recent bachelor's degree graduates with advanced skills to seek admission to competitive health and rehabilitation professional schools.

Application Requirements

The items listed below are required for admission consideration for applicable semesters of entry during the current academic year. Submission instructions, additional details, and changes to admission requirements for semesters other than the current academic year can be found on The Graduate College’s website (http://www.gradcollege.txstate.edu). International students should review the International Admission Documents page (http://mycatalog.txstate.edu/graduate/admission-documents/international/) for additional requirements.

- completed online application
- $55 nonrefundable application fee
- $90 nonrefundable application fee for applications with international credentials
- baccalaureate degree from a regionally accredited university (Non-U.S. degrees must be equivalent to a four-year U.S. Bachelor's degree. In most cases, three-year degrees are not considered. Visit our International FAQs (https://www.gradcollege.txstate.edu/international/faqs.html) for more information.)
- official transcripts from each institution where course credit was granted
- a 2.75 overall GPA or a 2.75 GPA in the last 60 hours of undergraduate course work (plus any completed graduate courses)
- background course work (at least 9 hours of exercise science undergraduate credit hours. Students who do not have these hours may be required to complete leveling courses.)
- GRE not required
- resume/CV
- statement of purpose (approximately 500 words, typed and double-spaced) addressing the following:
  - professional goals
  - reasons for pursuing education and training in exercise science
  - summary of major strengths and weaknesses with respect to being admitted into the program
  - experiences and/or research interests that may contribute to the program
  - three letters of recommendation (including at least two academic references) regarding professional competence and character

Approved English Proficiency Exam Scores

Applicants are required to submit an approved English proficiency exam score that meets the minimum program requirements below unless they have earned a bachelor's degree or higher from a regionally accredited U.S. institution or the equivalent from a country on our exempt countries list (http://www.gradcollege.txstate.edu/international/language.html#waiver).

- official TOEFL iBT scores required with a 78 overall
- official PTE scores required with a 52 overall
- official IELTS (academic) scores required with a 6.5 overall and minimum individual module scores of 6.0
- official Duolingo Scores required with a 110 overall
- official TOEFL Essentials scores required with an 8.5 overall

This program does not offer admission if the scores above are not met.

Degree Requirements

The Master of Science (M.S.) degree with a major in Exercise Science concentration in Health and Rehabilitation Sciences requires 36 semester credit hours, including a thesis.

As background prerequisites, an Exercise Science major is expected to have a minimum of 9 semester hours of exercise science course work on the bachelor's degree. Students who do not have these hours may be required to complete leveling courses.

Course Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ESS 5304</td>
<td>Motor Learning and Performance</td>
<td>3</td>
</tr>
<tr>
<td>ESS 5309</td>
<td>Biomechanics for Exercise &amp; Sports Science</td>
<td>3</td>
</tr>
<tr>
<td>ESS 5346</td>
<td>Research Methods in Health and Human Performance</td>
<td>3</td>
</tr>
<tr>
<td>ESS 5356</td>
<td>Applied Statistics in Health and Human Performance</td>
<td>3</td>
</tr>
<tr>
<td>ESS 5306</td>
<td>Proprioception and Neuromuscular Control in Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>ESS 5310</td>
<td>Cardiopulmonary Exercise Physiology</td>
<td></td>
</tr>
<tr>
<td>ESS 5311</td>
<td>Applied Neuromuscular and Skeletal Muscle Physiology</td>
<td></td>
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Choose one of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ESS 5312</td>
<td>Applied Exercise Metabolism</td>
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</tbody>
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Concentration Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>PH 5321</td>
<td>Advanced Health Behavior Theory</td>
<td>3</td>
</tr>
<tr>
<td>ESS 5313</td>
<td>Proprioception and Neuromuscular Control in Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>ESS 5314</td>
<td>Biomechanics of Musculoskeletal Injury</td>
<td>3</td>
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</table>

Prescribed Electives

Choose two of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ESS 5110</td>
<td>Research Seminar (May be repeated twice)</td>
<td>6</td>
</tr>
<tr>
<td>ESS 5305</td>
<td>Advanced Fitness Assessment and Exercise Prescription</td>
<td></td>
</tr>
<tr>
<td>ESS 5306</td>
<td>Advanced Exercise Physiology</td>
<td></td>
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<tr>
<td>ESS 5307</td>
<td>Advanced Resistance Training and Conditioning</td>
<td></td>
</tr>
<tr>
<td>ESS 5308</td>
<td>Physical Activity, Disease Prevention and Treatment</td>
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</tr>
<tr>
<td>ESS 5310</td>
<td>Cardiopulmonary Exercise Physiology</td>
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<td></td>
</tr>
<tr>
<td>ESS 5312</td>
<td>Advanced Exercise Metabolism</td>
<td></td>
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</tbody>
</table>
Dissertation

the thought. Preparation of the thesis must be in conformity with
demonstrate the student's capability for research and independent
to direct the written thesis will be established. The thesis must
If a student elects to follow the thesis option for the degree, a committee
degree within the timelines specified will be dismissed from the program.
Students who do not successfully complete the requirements for the
until the appropriate work is completed.

Thesis Proposal


The student must submit an official Thesis Proposal Form (http://www.gradcollege.txstate.edu/forms.html) and proposal to his or her thesis committee. Thesis proposals vary by department and discipline. Please see your department for proposal guidelines and requirements. After signing the form and obtaining committee members’ signatures, the graduate advisor’s signature if required by the program and the department chair’s signature, the student must submit the Thesis Proposal Form with one copy of the proposal attached to the dean of The Graduate College for approval before proceeding with research on the thesis. If the thesis research involves human subjects, the student must obtain exemption or approval from the Texas State Institutional Review Board prior to submitting the proposal form to The Graduate College.

Thesis Committee

The thesis committee must be composed of a minimum of three approved graduate faculty members.

Thesis Enrollment and Credit

The completion of a minimum of six hours of thesis enrollment is
required. For a student’s initial thesis course enrollment, the student will
need to register for thesis course number 5399A. After that, the student
will enroll in thesis B courses, in each subsequent semester until the
thesis is defended with the department and approved by The Graduate
College. Preliminary discussions regarding the selection of a topic and
assignment to a research supervisor will not require enrollment for the
thesis course.

Students must be enrolled in thesis credits if they are receiving
supervision and/or are using university resources related to their thesis
work. The number of thesis credit hours students enroll in must reflect
the amount of work being done on the thesis that semester. It is the
responsibility of the committee chair to ensure that students are making
adequate progress toward their degree throughout the thesis process.

Students who do not successfully complete the requirements for the
degree within the timelines specified will be dismissed from the program.

Comprehensive Examination Requirement

Comprehensive take-home exam is an independent, individual
assignment where students will apply scholarly principles from at least
two sub-disciplines within Exercise Science for practical use. The final
product should demonstrate the student’s mastery of content in two
sub-disciplines and inform practitioners or organizations regarding the
efficacy of a set of strategies, lessons, or a program. Examples include
creating an innovative program related to exercise and sports science
(e.g., training or fitness program, rehabilitation program), creating a
series of teaching lessons for a specific group of students, conducting
a program evaluation, creating a website to inform practitioners on
a topic related to exercise and sports science, or writing a paper that
incorporates practical recommendations based on literature in the
field.
The oral defense could consist of a question and answer session or
a concise presentation followed by questions. If the final product and/or
or oral defense does not meet requirements, graduation may be delayed
until the appropriate work is completed.

Students who do not successfully complete the requirements for the
degree within the timelines specified will be dismissed from the program.

If a student elects to follow the thesis option for the degree, a committee
to direct the written thesis will be established. The thesis must
demonstrate the student’s capability for research and independent
thought. Preparation of the thesis must be in conformity with
the Graduate College Guide to Preparing and Submitting a Thesis or
Dissertation.

<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ESS 5322</td>
<td>Inclusion and Diversity in Physical Activity and Sport</td>
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<tr>
<td>ESS 5327</td>
<td>Application of Strength and Conditioning Principles</td>
</tr>
<tr>
<td>ESS 5328</td>
<td>Principles of Endurance Training</td>
</tr>
<tr>
<td>ESS 5344</td>
<td>The Science of Teaching in Health and Human Performance</td>
</tr>
<tr>
<td>ESS 5347</td>
<td>Independent Study in Exercise Science</td>
</tr>
<tr>
<td>ESS 5398</td>
<td>Internship in Exercise and Sports Science or ESS 5698 Internship in Exercise and Sports Science</td>
</tr>
<tr>
<td>NUTR 5364</td>
<td>The Science of Nutrition and Exercise</td>
</tr>
<tr>
<td>PH 5320</td>
<td>Foundations of Public Health</td>
</tr>
<tr>
<td>PH 5330A</td>
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<tr>
<td>PSY 5335</td>
<td>Foundations of Health Psychology</td>
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<td>PT 5400</td>
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<tr>
<td>REC 5325</td>
<td>Philosophical Foundations of Recreational Therapy</td>
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Thesis

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>ESS 5399A</td>
<td>Thesis</td>
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Choose a minimum of three hours from the following: | 3 |

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<th>Course Code</th>
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<tbody>
<tr>
<td>ESS 5199B</td>
<td>Thesis</td>
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<tr>
<td>ESS 5299B</td>
<td>Thesis</td>
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<td>ESS 5599B</td>
<td>Thesis</td>
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<tr>
<td>ESS 5999B</td>
<td>Thesis</td>
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</tbody>
</table>

Total Hours 36
the thesis is completed. The minimum number of hours of thesis credit (“CR”) will be awarded only after the thesis has been both approved by The Graduate College and released to Alkek Library.

A student who has selected the thesis option must be registered for the thesis course during the term or Summer I (during the summer, the thesis course runs ten weeks for both sessions) in which the degree will be conferred.

Thesis Deadlines and Approval Process
Thesis deadlines are posted on The Graduate College (http://www.gradcollege.txstate.edu/) website under “Current Students.” The completed thesis must be submitted to the chair of the thesis committee on or before the deadlines listed on The Graduate College website.

The following must be submitted to The Graduate College by the thesis deadline listed on The Graduate College website:

1. The Thesis Submission Approval Form bearing original (wet) and/or electronic signatures of the student and all committee members.
2. One (1) PDF of the thesis in final form, approved by all committee members, uploaded in the online Vireo submission system.

After the dean of The Graduate College approves the thesis, Alkek Library will harvest the document from the Vireo submission system for publishing in the Digital Collections database (according to the student’s embargo selection). NOTE: MFA Creative Writing theses will have a permanent embargo and will never be published to Digital Collections.

While original (wet) signatures are preferred, there may be situations as determined by the chair of the committee in which obtaining original signatures is inefficient or has the potential to delay the student’s progress. In those situations, the following methods of signing are acceptable:

- signing and faxing the form
- signing, scanning, and emailing the form
- notifying the department in an email from their university’s or institution’s email account that the committee chair can sign the form on their behalf
- electronically signing the form using the university’s licensed signature platform.

If this process results in more than one document with signatures, all documents need to be submitted to The Graduate College together.

No copies are required to be submitted to Alkek Library. However, the library will bind copies submitted that the student wants bound for personal use. Personal copies are not required to be printed on archival quality paper. The student will take the personal copies to Alkek Library and pay the binding fee for personal copies.

Master’s level courses in Health and Human Performance: ESS

Courses Offered
Exercise Science Specialization (ESS)

ESS 5101. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5110. Research Seminar.
The focus of this course engages students in research and professional development in Exercise and Sports Science. This seminar will allow students to gain exposure to a variety of scholarly activities in an interdisciplinary setting.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Course Attribute(s): Exclude from 3-peat Processing
Grade Mode: Standard Letter

ESS 5199B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
1 Credit Hour. 1 Lecture Contact Hour. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5201. Graduate Assistant Development.
This course is required of all graduate teaching and instructional assistants in the department. This course provides regular in-service and planned periodic evaluations of instructional and professional responsibilities. This course does not earn graduate degree credit.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Graduate Assistantship|Exclude from Graduate GPA
Grade Mode: Leveling/Assistantships

ESS 5299B. Thesis.
This course represents a student’s continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
2 Credit Hours. 2 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5304. Motor Learning and Performance.
This course is designed to provide students the foundation for understanding the principles involved in enhancing motor skill acquisition, and physiological, neurological, and psychological factors affecting motor learning and performance. Inquiry is made into the various motor learning theories and concepts.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
ESS 5305. Advanced Fitness Assessment and Exercise Prescription.  
This course provides an intensive study of current scientifically based exercise testing and prescription procedures. Students will learn how to evaluate fitness and prescribe exercise through laboratory experiences.  
3 Credit Hours. 2 Lecture Contact Hours. 1 Lab Contact Hour.  
Grade Mode: Standard Letter

ESS 5306. Advanced Exercise Physiology.  
This advanced course will provide students with a thorough understanding of the acute responses to exercise and the physiological adaptations that occur in response to exercise training. Additional topics to be covered include environmental influences, aging, and sex differences.  
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

This course will include the development, instruction, and evaluation of resistance training exercises and programs for diverse populations and settings. Physiological and mechanical principles related to resistance training will be applied to study human performance, injury prevention, and rehabilitation.  
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

ESS 5308. Physical Activity, Disease Prevention and Treatment.  
This course will provide students with opportunities to examine the role of physical inactivity in the development of chronic diseases and the benefits of activity in prevention efforts. A special emphasis will be placed on activity assessment and intervention research.  
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

Review of current research and research techniques in the biomechanics of exercise and sport science. Students will develop skills in reviewing, planning, and conducting biomechanical research.  
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

ESS 5310. Cardiopulmonary Exercise Physiology.  
The course will provide students with a thorough understanding of the structure, function, neural mechanisms, and integrated responses of the human cardiopulmonary system to acute and chronic exercise. In addition, basic cardiopulmonary pathology, pharmacology, and electrocardiography will be introduced.  
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

ESS 5311. Applied Neuromuscular and Skeletal Muscle Physiology.  
The course will provide students with a thorough understanding of the structure and function of neuromuscular and skeletal muscle physiology. This course will examine mechanisms that regulate skeletal muscle force production and human performance in response to acute and chronic exercise. In addition, advanced laboratory techniques will be introduced.  
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

ESS 5312. Applied Exercise Metabolism.  
This course will provide students with a thorough understanding of exercise metabolism. Students will develop advanced knowledge of the influence of various environmental and physiological factors on metabolism during exercise and the impact on physical performance and recovery. Students will also examine the relationships between metabolic factors and chronic diseases.  
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

ESS 5313. Proprioception and Neuromuscular Control in Rehabilitation.  
This course provides for an advanced study of the concepts, theories, and current research related to proprioception and neuromuscular control as applied to the prevention, diagnosis, and clinical management of sport-related musculoskeletal injuries, neuromuscular disease, and concussions. Prerequisite: Department approval.  
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

This course focuses on the application of biomechanical principles to the pathoetiology, diagnosis, and physiological capacity for healing of injuries to bone, ligament, tendon, cartilage, and other human tissues, with an emphasis on current injury research. Prerequisite: Department approval.  
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.  
Grade Mode: Standard Letter

ESS 5317. Exercise Physiology.  
This leveling course provides an overview of the acute and chronic physiological responses to exercise. Emphasis is on muscle bioenergetics, muscle contractile properties, optimizing human performance through training and supplementation, as well as cardiopulmonary and endocrine responses to exercise. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent. Corequisite: ESS 5117.  
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.  
Course Attribute(s): Exclude from Graduate GPA|Lab Required|Leveling  
Grade Mode: Leveling/Assistantships
ESS 5320. Biomechanics.
This leveling course provides an introduction to the mechanical foundations of anatomical function and human movement. Qualitative and quantitative biomechanical analyses of human movement are introduced to inform the prescription of technique, equipment, and training interventions. This course does not earn graduate degree credit. Prerequisite: BIO 2430 or equivalent with a grade of "D" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5322. Inclusion and Diversity in Physical Activity and Sport.
This course is designed to prepare physical activity and sport educators with knowledge, skills, and strategies to create inclusive learning environments. Culturally responsive teaching strategies that best accommodate the individual needs of children, adolescents, and adults, with diverse ethnic, racial, cultural, socio-economic, physical, and cognitive needs will be emphasized. (MULT).
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Multicultural Content
Grade Mode: Standard Letter

Strength and conditioning programming techniques will be the focus, including appropriate assessment and exercise prescription for improved sport performance and injury prevention. This course will include both classroom instruction and hands-on experience utilizing advanced technologies and traditional and non-traditional equipment in the field of strength and conditioning. This course will also cover methods of evaluating athletic abilities to monitor progress of training that will guide exercise prescription. Prerequisite: ESS 5307 with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

This course explores and critiques both established and novel exercise testing and training practices for athletes competing in endurance sports. Emphasis is on demonstrating an ability to develop testing and training procedures using evidence-based methods for endurance athletes.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5329. Motor Learning.
This leveling course provides students with an understanding of the physiological, neurological, and psychological factors affecting performance and acquisition of motor skills. Students will examine the structural components underlying the learning of motor skills and draw upon examples from sport, physical activities, and rehabilitation. This course does not earn graduate degree credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Course Attribute(s): Exclude from Graduate GPA|Leveling
Grade Mode: Leveling/Assistantships

ESS 5344. The Science of Teaching in Health and Human Performance.
This course is designed to enhance instructional skills for professionals working in educational, sport, clinical, and community settings. Students incorporate evidence-based instructional practices and assess teaching using systematic, reliable, and valid measures. Students will be able to apply course concepts to implement effective instruction in diverse venues.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

A study of research methods related to techniques for searching the professional research literature, understanding, planning, and conducting professional research projects, as well as development of skills for writing research proposals related to human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5347. Independent Study in Exercise Science.
The course allows students to receive individualized instruction while working on a professional project with a supervising faculty member. This course will require students to enhance their writing, research, teaching, and/or presentation skills. Repeatable once for credit.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

This course is designed to explore evidence-based curricula across Exercise and Sport Science settings including, but not limited to clinical, strength and conditioning, community physical activity, and sports. Students will gain knowledge and understanding about the curriculum design process and program evaluation using current theory to practice models.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5354. Developmental Sports Education: Youth Participants.
This course is designed to provide sport educators with theory, research, and application strategies to implement developmentally appropriate sports programs for youth participants. Social, psychological, pedagogical, philosophical, and physical variables impacting youth in sport are examined. Emphasis is placed on promoting positive youth development by applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter
This course is designed to provide sport educators with theory, research, and practical strategies to implement developmentally appropriate sports programs for high-level athletes. Psychological, social, and physical aspects related to athletes' success and well-being are examined. Research on coaching effectiveness is also explored with emphasis on applying evidence-based practices.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

A study of quantitative statistical methods for planning and conducting experimental and correlational research, as well as techniques for statistical data analysis and interpretation applicable to health and human performance.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

This course is designed for students to obtain the Red Cross Water Safety Instruction (WSI) certification, and learn how to teach using a Mastery Motivational Climate/TARGET approach. More than half of the semester will involve providing swim lessons to students grades K-6 from a San Marcos school. Students must be able to perform the following skills: front crawl, back crawl, breaststroke, elementary backstroke and sidestroke for 25 yards; butterfly for 15 yards; back float and tread water for 1 minute. Students with a current WSI certification will be exempt from the required WSI lab at the beginning of the semester.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5398. Internship in Exercise and Sports Science.
This 240-hour internship provides students with work-related experience with children, adults, older individuals, or athletes in exercise settings. Students are provided an opportunity to prescribe and supervise age-and fitness-appropriate exercise programs and perform exercise tests. Prerequisite: ESS 5306 with a grade of "C" or better.
3 Credit Hours. 0 Lecture Contact Hours. 20 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5399A. Thesis.
This course represents a student's initial thesis enrollment. No thesis course credit is awarded until the student has completed the entire thesis required in ESS 5399B. Prerequisites: ESS 5346 and ESS 5356 all with a grade of "C" or better.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5399B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
3 Credit Hours. 3 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5599A. Thesis.
This course represents a student's initial thesis enrollment. No thesis course credit is awarded until the student has completed the entire thesis required in ESS 5599B. Prerequisites: ESS 5346 and ESS 5356 all with a grade of "C" or better.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5599B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5599A.
5 Credit Hours. 5 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit

ESS 5698. Internship in Exercise and Sports Science.
This full-time internship provides students with a minimum of 480 hours of field experience. Students will work with children, adults, older individuals, or athletes in exercise or health care settings, and prescribe and supervise age and fitness appropriate exercise programs and perform comprehensive health-related assessments.
6 Credit Hours. 0 Lecture Contact Hours. 40 Lab Contact Hours.
Grade Mode: Standard Letter

ESS 5999B. Thesis.
This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the completed thesis is submitted for binding. Prerequisite: ESS 5399A.
9 Credit Hours. 9 Lecture Contact Hours. 0 Lab Contact Hours.
Grade Mode: Credit/No Credit