Health, Exercise and Sport Sciences

Pete Schroeder, Chair

Degrees Offered

Bachelor of Arts
Bachelor of Science
Master of Arts (see Graduate Catalog for information)

Majors Offered

Health, Exercise and Sport Sciences (BA)
  • Sport Pedagogy
  • Health and Exercise Science
  • Sport Management
Athletic Training (BS)

Minors Offered

Health, Exercise and Sport Sciences

Mission

The mission of the University of the Pacific’s Department of Health, Exercise and Sport Sciences is to provide student-centered instruction, offer a progressive, dynamic, cross-disciplinary curriculum in the liberal arts and sciences tradition, and attract and sustain students and faculty of diversity and quality.

Degrees in Health, Exercise and Sport Sciences

The Department of Health, Exercise and Sport Sciences offers programs of study leading to the Bachelor of Arts, Bachelor of Science, and Master of Arts degrees. The purpose of a Health, Exercise and Sport Sciences degree is to educate and prepare students for a wide variety of careers in the fields grounded in human movement.

A set of required core courses provides students with a common base of knowledge and understanding about the concepts within the discipline. In addition to the core, Health, Exercise and Sport Sciences majors must successfully complete one of the following concentrations: sport pedagogy, health and exercise science, or sport management. Athletic Training majors must successfully complete the required coursework for the Commission on Accreditation of Athletic Training Education (CAATE) accredited program. All degree options culminate with internships or practical coursework in clinical and applied settings.

Upon completion of a degree in the Department of Health, Exercise and Sport Sciences it is expected that students have the capacity to: read, select and interpret important information from health, exercise and sport sciences literature; write clearly, critically and persuasively; prepare and deliver presentations effectively; work and collaborate in groups toward a common goal; design and conduct research studies using appropriate methodologies; identify and apply ethical standards to the current issues in a selected track/major.

Facilities

The Department of Health, Exercise and Sport Sciences has the following facilities for use in its programs: Baun Fitness Center, a Kinesiology laboratory, an Exercise Physiology laboratory, an Athletic Training laboratory, The Pacific Fatigue Laboratory, Main Gymnasium, and a computer lab.

General Service (Activity) Classes

A variety of physical activity classes are available for all interested University students who wish to acquire new motor skills, maintain an exercise routine and continue or start a fitness program. These classes focus on the “how” and “why” of various activities. These classes are worth one unit, and students can enroll on a voluntary basis. Examples are swimming for health, bowling, running for health, volleyball, badminton, tennis, golf, basketball, weight training, kick boxing, karate, yoga, aikido, kung fu, tae-ko-won do, and self-defense for women.

Students on the Stockton campus can apply a combined total of eight units of ACTY 001-ACTY 049 – Activities, ACTY 050-ACTY 099 - Intercollegiate Sports and THEA 005A - THEA 005P in the Theatre Arts Department toward graduation. Up to 8 units of activity and intercollegiate sports classes may count toward the COP breadth requirement.

All activity classes are evaluated on the pass/no credit basis.

Health, Exercise and Sport Sciences Faculty

Peter J. Schroeder, Associate Professor and Chair, 2007; BS, Truman State University, 1996; MA University of the Pacific, 1998; EdD University of Missouri, 2003.

Jodi Baker, Clinical Assistant Professor and Program Director, Athletic Training Education Program, 2006; BS Whitworth University, 1997; MA San Diego State University, 2002; EdD University of the Pacific, 2012.

Margaret E. (Peg) Ciccolella, Professor, 1985; BA, University of Colorado, 1970; MS, Brigham Young University, 1972; EdD, 1978; JD, Humphreys College of Law, 1993.

Lara Killick, Assistant Professor, 2009, BA, Durham University, 2000; MA, University of Leicester, 2005; PhD, Loughborough University, 2009.

Virgil Darrin Kitchen, Assistant Professor, 2005; MA, California State University, Chico, 1996; MA, 1997; EdD, University of the Pacific, 2006.

Linda Koehler, Associate Professor, 1989, BA, Purdue University, 1971; MS, University of New Mexico, 1975; PhD, University of Illinois, 1982.

Brian D. Moore, Assistant Professor, 2011, BA, Loyola Marymount University, 1998; MEd, University of Virginia, 2000; PhD University of California-Davis, 2012.

Christopher Snell, Professor, 1990, BA, Bedford College, 1987; MS, University of Oregon, 1990; PhD, 1993.

J. Mark VanNess, Associate Professor, 1999; BS, Wheaton College, 1990; MS, California State University, Sacramento, 1993; PhD, Florida State University, 1997.

Bachelor of Arts Major in Health, Exercise and Sport Sciences Concentration in Sport Pedagogy

The Sport Pedagogy Concentration provides an opportunity to study aspects of human movement and human performance as a reflection of personal values and as an expression of an individual’s physical, psychological and social nature. In addition to successfully completing the Sport Sciences Core, the sport pedagogy student must complete a series of courses that culminate with options to qualify for a teaching credential, coaching certification, or advanced study. Degree requirements for this concentration also include the demonstration of a variety of motor skill proficiencies.

Students must complete a minimum of 124 units with a Pacific cumulative and major/program grade point average of 2.0 in order to earn the bachelor of arts degree with a major in health, exercise and sport sciences with a concentration in sport pedagogy.

I. General Education Requirements

Minimum 42 units and 12 courses that include:
Minimum 50 units that include:

VI. Major Requirements

HESP 100  Introduction to Research in Health, Exercise and Sport Sciences  3
HESP 120  Instructional Strategies and Methods of Teaching and Coaching  4
HESP 121  Analysis of Team and Individual Sports  3
HESP 123  Analysis of Nontraditional Games and Sports  3
HESP 127  History and Philosophy of Sport and PE  3
HESP 129  Principles of Exercise Physiology  4
HESP 131  Assessment and Evaluation  4
HESP 133  Kinesiology  4
HESP 139  Exercise Physiology  4
HESP 141  Sport, Culture and U.S. Society  4
HESP 151  Elementary Physical Education  3
HESP 152  Secondary Physical Education  4
HESP 153  Equity and Inclusion in Physical Education  4
HESP 155  Motor Learning  3
HESP 159  Educator in Preparation  3
HESP 187D  Sport Pedagogy Internship I  2
HESP 187E  Sport Pedagogy Internship II  4
EDUC 130  Technology Enhanced Learning Environments  2

Motor Skill Proficiencies

Health, Exercise and Sport Sciences majors who complete the Sport Pedagogy Concentration must also demonstrate 10 proficiencies over six areas: aquatics (1); gymnastics and tumbling (1); combatives and/or martial arts (1); dance (1); individual sports (3); and team sports (3). The ten proficiencies must include a minimum of two advanced, four intermediate and four beginning skills. Proficiencies may be met by successfully completing HESP 121 and HESP 123 and/or successfully completing appropriate activity classes.

Career Options for Sport Pedagogy

Completion of the Sport Pedagogy Concentration and subsequent single-subject teaching credential requirement permits students to pursue careers in a variety of education settings. This is true of the regular credential program in physical education as well as the more specialized coaching concentration. The coaching concentration is not only recommended for sport pedagogy students but also for other teaching majors who may be interested in coaching. For all teaching credential candidates, the University of the Pacific Office of Career Services provides a personalized approach to teacher employment placement.

Bachelor of Arts Major in Health, Exercise and Sport Sciences Concentration in Health and Exercise Science

The Health and Exercise Science concentration is scientifically based and human oriented. It prepares students for careers and/or further graduate study in health and fitness related areas such as medicine, physical therapy, occupational therapy, nutrition and exercise/work physiology. A primary goal of this concentration is to provide a scholarly environment in classes and laboratories that supports and encourages the application of theoretical concepts. Students study and apply principles relevant to the rehabilitation and enhancement of human performance.

In addition to completing the Health, Exercise and Sport Sciences, Health and Exercise Science students must successfully complete a series of courses within the department and courses drawn from the life and physical sciences.

Students must complete a minimum of 124 units with a Pacific cumulative and major/program grade point average of 2.0 in order to earn the bachelor of arts degree with a major in health, exercise and sport sciences with a concentration in health and exercise science.

I. General Education Requirements

Minimum 42 units and 12 courses that include:

PACS 001  What is a Good Society  4
PACS 002  Topical Seminar on a Good Society  4
PACS 003  What is an Ethical Life?  3

Note: 1) Pacific Seminars cannot be taken for Pass/No Credit.
2) Transfer students with 28 or more transfer units complete 2
additional General Education elective courses from below in place of taking PACS 001 and PACS 002.

One course from each subdivision below:

**Social and Behavioral Sciences**
- IA. Individual and Interpersonal Behavior
- IB. U.S. Studies
- IC. Global Studies

**Arts and Humanities**
- IIA. Language and Literature
- IIB. Worldviews and Ethics
- IIC. Visual and Performing Arts

**Natural Sciences and Mathematics**
- IIIA. Natural Sciences
- IIIB. Mathematics and Formal Logic
- IIIC. Science, Technology and Society

or a second IIIA Natural Sciences course

**Note:** 1) No more than 2 courses from a single discipline may be applied to meet the requirements of the general education program.

**II. Diversity Requirement**
Students must complete one diversity course (3-4 units)

**Note:** 1) Transfer students with 28 units or more transfer units prior to fall 2011 are encouraged but not required to complete a designated course prior to graduation. 2) Courses may be used also to meet general education and/or major/minor requirements.

**III. College of the Pacific BA Requirement**
Students must complete one year of college instruction or equivalent training in a language other than English.

**Note:** 1) Transfer students with sophomore standing are exempt from this requirement.

**IV. Fundamental Skills**
Students must demonstrate competence in:
- Reading
- Writing
- Quantitative analysis

**V. Breadth Requirement**
Students must complete 64 units outside the primary discipline of the first major, regardless of the department who offers the course(s) in that discipline. (Courses include general education courses, transfer courses, CPCE/EXTN units, internships, etc.)

**VI. Major Requirements:**
Minimum 60 units that include:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HESP 100</td>
<td>Introduction to Research in Health, Exercise and Sport Sciences</td>
<td>3</td>
</tr>
<tr>
<td>HESP 129</td>
<td>Principles of Exercise Physiology</td>
<td>4</td>
</tr>
<tr>
<td>HESP 133</td>
<td>Kinesiology</td>
<td>4</td>
</tr>
<tr>
<td>HESP 157</td>
<td>The Clinician in Health and Exercise Science</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 051</td>
<td>Principles of Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 061</td>
<td>Principles of Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 071</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 081</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 025</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>PHYS 023</td>
<td>General Physics I</td>
<td>5</td>
</tr>
</tbody>
</table>

Five HESP Electives (Five additional courses excluding HESP 023, 025, 100, 129, 133, 157)

Select one of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HESP 139</td>
<td>Exercise Physiology</td>
<td>4</td>
</tr>
<tr>
<td>HESP 141</td>
<td>Sport, Culture and U.S. Society</td>
<td>4</td>
</tr>
</tbody>
</table>

**Career Options for Health and Exercise Science**
Employment opportunities following completion of the sports medicine concentration include fitness directorship, cardiac disease prevention-rehabilitation, work toward advanced degrees in allied health sciences such as nursing, physical therapy, occupational therapy and medicine or sports medicine. Health and Exercise Science is in part a self-contained program as curricular support for Pacific’s Physical Therapy Graduate program.

**Pre-Physical Therapy (Optional)**
Students in the Health and Exercise Science concentration who are interested in pursuing graduate studies in Physical Therapy are advised to complete the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 027</td>
<td>General Chemistry</td>
<td>5</td>
</tr>
<tr>
<td>MATH 035</td>
<td>Elementary Statistical Inference (or similar course)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 025</td>
<td>General Physics II</td>
<td>5</td>
</tr>
<tr>
<td>PSYC 031</td>
<td>Introduction to Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PSYC 111</td>
<td>Abnormal Psychology</td>
<td>4</td>
</tr>
<tr>
<td>HESP 061</td>
<td>Medical Terminology</td>
<td>4</td>
</tr>
<tr>
<td>HESP 147</td>
<td>Exercise Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>HESP 182</td>
<td>Exercise Testing and Prescription</td>
<td>4</td>
</tr>
</tbody>
</table>

Students are strongly advised to check with individual graduate programs for specific requirements.

**Bachelor of Arts Major in Health, Exercise and Sport Sciences Concentration in Sport Management**
The Sport Management Concentration is designed to develop an understanding of sport and fitness from a managerial perspective. Through a unique combination of specialized courses within the Department of Health, Exercise and Sport Sciences and courses from related disciplines, students gain insights into both the theoretical and applied aspects of managing sport or fitness enterprises.

In addition to completing the Health, Exercise and Sport Sciences Core, Sport Management students must successfully complete a series of courses within the department and adjacent courses from liberal studies, business and computer science. Special attention is given to the behavioral dimensions of sport management and organizational skills, economic and business concerns, and legal and ethical issues in sport.

Degree requirements also include completion of two separate internship experiences in selected sport or fitness settings. These include, but are not restricted to, professional sports, intercollegiate sports, campus sports/intramurals, amateur sports, community recreation, private sport clubs, corporate fitness, hotel fitness and resorts, sport retailing/merchandising, and international sport organizations.

Students must complete a minimum of 124 units with a Pacific cumulative and major/program grade point average of 2.0 in order to earn the bachelor of arts degree with a major in health, exercise and sport sciences with a concentration in sport management.

**I. General Education Requirements**
Minimum 42 units and 12 courses that include:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>PACS 001</td>
<td>What is a Good Society</td>
<td>4</td>
</tr>
<tr>
<td>PACS 002</td>
<td>Topical Seminar on a Good Society</td>
<td>4</td>
</tr>
<tr>
<td>PACS 003</td>
<td>What is an Ethical Life?</td>
<td>3</td>
</tr>
</tbody>
</table>

University of the Pacific
I. General Education Requirements

Minimum 42 units and 12 courses that include:

- PACS 001 What is a Good Society
- PACS 002 Topical Seminar on a Good Society
- PACS 003 What is an Ethical Life?

Note: 1) Pacific Seminars cannot be taken for Pass/No Credit.
2) Transfer students with 28 or more transfer units complete 2 additional General Education elective courses from below in place of taking PACS 001 and PACS 002.

One course from each subdivision below:

Social and Behavioral Sciences
IA. Individual and Interpersonal Behavior
IB. U.S. Studies
IC. Global Studies

Arts and Humanities
IIA. Language and Literature
IIB. Worldviews and Ethics
IIC. Visual and Performing Arts

Natural Sciences and Mathematics
IIIA. Natural Sciences
IIIB. Mathematics and Formal Logic
IIIC. Science, Technology and Society

or a second IIIA Natural Sciences course

Note: 1) No more than 2 courses from a single discipline may be applied to meet the requirements of the general education program.

II. Diversity Requirement

Students must complete one diversity course (3-4 units)

Note: 1) Transfer students with 28 units or more transfer units prior to fall 2011 are encouraged but not required to complete a designated course prior to graduation. 2) Courses may be used also to meet general education and/or major/minor requirements.

III. College of the Pacific BA Requirement

Students must complete one year of college instruction or equivalent training in a language other than English.

Note: 1) Transfer students with sophomore standing are exempt from this requirement.

IV. Fundamental Skills

Students must demonstrate competence in:

- Reading
- Writing
- Quantitative analysis

V. Breadth Requirement

Students must complete 64 units outside the primary discipline of the first major, regardless of the department who offers the course(s) in that discipline. (Courses include general education courses, transfer courses, CPCE/EXTN units, internships, etc.)

VI. Major Requirements:

Minimum 61 units that include:

- HESP 100 Introduction to Research in Health, Exercise and Sport Sciences 3
- HESP 129 Principles of Exercise Physiology 4
- HESP 165 Legal Aspects of Health, Exercise and Sport 4
- HESP 167 Introduction to Sport Management 4
- HESP 169 Managing Sport Enterprises 4
- HESP 171 Sport Economics and Finance 4
- HESP 174 Sport Marketing and Promotions 4
- HESP 175 Sport Event and Facility Management 4
- HESP 187A Internship: Sport Management 4
- HESP 187B Internship: Sport Management 4

Select one of the following:

- BUSI 031 Principles of Financial Accounting 4
- BUSI 107 Marketing Management 4
- COMP 025 Computers and Information Processing 4
- ECON 053 Introductory Microeconomics 4

Note: 1) Pacific Seminars cannot be taken for Pass/No Credit.
2) Transfer students with 28 or more transfer units complete 2 additional General Education elective courses from below in place of taking PACS 001 and PACS 002.

One course from each subdivision below:

Social and Behavioral Sciences
IA. Individual and Interpersonal Behavior
IB. U.S. Studies

Career Options for Sport Management

Employment opportunities following completion of the sport management concentration include, but are not limited to, marketing, sales, management, hospitality, law, sponsorship, community relations, athlete representation, tourism, facility management and public relations. These specialized areas can be found in amateur and professional sport, corporations through sport, community recreation centers, resorts, health and fitness centers, collegiate sport, casinos, stadiums and arenas.

The concentration also prepares students for graduate study in business, communications, sport management, and law.

Bachelor of Science Major in Athletic Training

The Bachelor of Science in Athletic Training is designed to prepare students in the application of scientific techniques to prevent, recognize, manage, and rehabilitate injuries to the active population. The program is specifically designed to provide the theoretical and practical learning experience requisite to certification by the Board of Certification (BOC). Students who select the Athletic Training Major must complete a series of courses within the department, adjacent courses from the natural sciences, and four consecutive semesters of clinical education.

During the clinical education portion of the program, athletic training students must accumulate a minimum of 800 hours (200 hours/semester) of clinical experience under the direct supervision of a Certified Athletic Trainer (ATC) or other allied health care professional. Students must also demonstrate proficiency in entry-level athletic training skills in the presence of an Approved Clinical Instructor (ACI). Students are required to meet prerequisite criteria and submit application materials before beginning the clinical education program. A limited number of students are admitted into the program each fall semester. Please visit the program’s website for more specific information about admission criteria, technical standards, and application materials. The program’s website is http://web.pacific.edu/x16883.xml

Students must complete a minimum of 124 units with a Pacific cumulative and major/program grade point average of 2.0 in order to earn the bachelor of science degree with a major in athletic training.

I. General Education Requirements

Minimum 42 units and 12 courses that include:

- PACS 001 What is a Good Society 4
- PACS 002 Topical Seminar on a Good Society 4
- PACS 003 What is an Ethical Life? 3

Note: 1) Pacific Seminars cannot be taken for Pass/No Credit.
2) Transfer students with 28 or more transfer units complete 2 additional General Education elective courses from below in place of taking PACS 001 and PACS 002.

One course from each subdivision below:

Social and Behavioral Sciences
IA. Individual and Interpersonal Behavior
IB. U.S. Studies
IC. Global Studies
Arts and Humanities
IIA. Language and Literature
IIB. Worldviews and Ethics
IIIC. Visual and Performing Arts
Natural Sciences and Mathematics
IIIA. Natural Sciences
IIIB. Mathematics and Formal Logic
IIIC. Science, Technology and Society
or a second IIIA Natural Sciences course

Note: 1) No more than 2 courses from a single discipline may be applied to meet the requirements of the general education program.

II. Diversity Requirement
Students must complete one diversity course (3-4 units)

Note: 1) Transfer students with 28 units or more transfer units prior to fall 2011 are encouraged but not required to complete a designated course prior to graduation. 2) Courses may be used also to meet general education and/or major/minor requirements.

III. Fundamental Skills
Students must demonstrate competence in:
Reading
Writing
Quantitative analysis

IV. Breadth Requirement
Students must complete 64 units outside the primary discipline of the first major, regardless of the department who offers the course(s) in that discipline. (Courses include general education courses, transfer courses, CPCE/EXTN units, internships, etc.)

V. Major Requirements:
Minimum 65 units that include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HESP 089B</td>
<td>Practicum: Athletic Training I</td>
<td>2</td>
</tr>
<tr>
<td>HESP 089K</td>
<td>Practicum: Athletic Training II</td>
<td>2</td>
</tr>
<tr>
<td>HESP 100</td>
<td>Introduction to Research in Health, Exercise and Sport Sciences</td>
<td>3</td>
</tr>
<tr>
<td>HESP 129</td>
<td>Principles of Exercise Physiology</td>
<td>4</td>
</tr>
<tr>
<td>HESP 133</td>
<td>Kinesiology</td>
<td>4</td>
</tr>
<tr>
<td>HESP 139</td>
<td>Exercise Physiology</td>
<td>4</td>
</tr>
<tr>
<td>HESP 143</td>
<td>Prevention and Acute Care of Injury and Illness</td>
<td>4</td>
</tr>
<tr>
<td>HESP 145</td>
<td>Therapeutic Modalities</td>
<td>4</td>
</tr>
<tr>
<td>HESP 146</td>
<td>Health, Disease, and Pharmacology</td>
<td>4</td>
</tr>
<tr>
<td>HESP 149</td>
<td>Clinical Evaluation and Diagnosis I</td>
<td>3</td>
</tr>
<tr>
<td>HESP 150</td>
<td>Clinical Evaluation and Diagnosis II</td>
<td>3</td>
</tr>
<tr>
<td>HESP 163</td>
<td>Therapeutic Exercise</td>
<td>4</td>
</tr>
<tr>
<td>HESP 173</td>
<td>Health Care Management and Professional Development</td>
<td>4</td>
</tr>
<tr>
<td>HESP 189B</td>
<td>Practicum: Athletic Training III</td>
<td>2</td>
</tr>
<tr>
<td>HESP 189K</td>
<td>Practicum: Athletic Training IV</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 061</td>
<td>Principles of Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 071</td>
<td>Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 081</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td>Select one of the following:</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>HESP 045</td>
<td>Nutrition for Health</td>
<td></td>
</tr>
<tr>
<td>HESP 135</td>
<td>Sports Nutrition</td>
<td></td>
</tr>
</tbody>
</table>

Career Options for Athletic Training
Employment opportunities following completion of the Athletic Training Major and passing the BOC Examination include athletic training at the secondary school and collegiate levels, professional athletic training, athletic training in clinical or industrial settings, athletic training in hospitals and clinics, and work toward advanced degrees in areas related to Athletic Training and Health and Exercise Science.

Minor in Sport Sciences
Students must complete a minimum of 20 units and 5 courses with a Pacific minor grade point average of 2.0 in order to earn a minor in sport sciences.

Minor Requirements:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HESP 127</td>
<td>History and Philosophy of Sport and PE</td>
<td>3</td>
</tr>
<tr>
<td>HESP 147</td>
<td>Exercise Physiology I</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>HESP 139</td>
<td>Exercise Physiology</td>
<td>4</td>
</tr>
<tr>
<td>HESP 141</td>
<td>Sport, Culture and U.S. Society</td>
<td></td>
</tr>
</tbody>
</table>

Three HESP Electives (Nine additional units excluding ACTY 001-099, HESP 025)

Note: 1) Student should work closely with their advisor in selecting electives. 2) These elective units would be selected on the basis of the specific area of Health, Exercise and Sport Sciences (e.g., Exercise Psychology, Athletic Training, Sport Management, Coaching, Sport Pedagogy, Health and Exercise Science) in which the student is interested.

Activity Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTY 001</td>
<td>Dance Team</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 002</td>
<td>Aerobics</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 003</td>
<td>Aikido</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 004</td>
<td>Badminton</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 005</td>
<td>Karate</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 006</td>
<td>Bowling</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 007</td>
<td>Golf</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 008</td>
<td>Ice Skating</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 009</td>
<td>Kung Fu</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 010</td>
<td>Karate</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 011</td>
<td>Kick Box</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 012</td>
<td>Running for Health</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 013</td>
<td>Scuba</td>
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<tr>
<td>ACTY 014</td>
<td>Advanced Scuba</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 015</td>
<td>Spirit Squad</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 016</td>
<td>Strength Training</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 017</td>
<td>Swimming for Health</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 018</td>
<td>Tennis</td>
<td>1</td>
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<tr>
<td>ACTY 019</td>
<td>Volleyball</td>
<td>1</td>
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<tr>
<td>ACTY 020</td>
<td>Filipino Martial Arts/Def.</td>
<td>1</td>
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<tr>
<td>ACTY 021</td>
<td>Weight Training</td>
<td>1</td>
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<tr>
<td>ACTY 022</td>
<td>Yoga</td>
<td>1</td>
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<tr>
<td>ACTY 023</td>
<td>Self-Defense for Women</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 024</td>
<td>Basketball</td>
<td>1</td>
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<tr>
<td>ACTY 025</td>
<td>Tae-Kwon Do</td>
<td>1</td>
</tr>
<tr>
<td>ACTY 050</td>
<td>Baseball, Intercollegiate</td>
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</tr>
</tbody>
</table>
ACTY 051. Basketball, Men's Intercollegiate. 1 Unit.
ACTY 052. Football, Intercollegiate. 1 Unit.
ACTY 053. Swimming, Men's Intercollegiate. 1 Unit.
ACTY 054. Tennis, Men's Intercollegiate. 1 Unit.
ACTY 055. Volleyball, Men's Intercollegiate. 1 Unit.
ACTY 056. Water Polo, Men's Intercollegiate. 1 Unit.
ACTY 057. Basketball, Women's Intercollegiate. 1 Unit.
ACTY 058. Cross Country, Women's Intercollegiate. 1 Unit.
ACTY 059. Field Hockey, Women's Intercollegiate. 1 Unit.
ACTY 060. Soccer, Women's Intercollegiate. 1 Unit.
ACTY 061. Tennis, Women's Intercollegiate. 1 Unit.
ACTY 062. Volleyball, Women's Intercollegiate. 1 Unit.
ACTY 063. Golf, Intercollegiate. 1 Unit.
ACTY 064. Softball, Intercollegiate. 1 Unit.
ACTY 065. Water Polo, Women's Intercollegiate. 1 Unit.
ACTY 066. Swimming, Women's Intercollegiate. 1 Unit.
ACTY 067. Soccer, Men's Intercollegiate. 1 Unit.
ACTY 068. Sand Volleyball, Women's Intercollegiate. 1 Unit.
ACTY 069. Track and Field, Women's Intercollegiate. 1 Unit.
HESP 023. First Aid. 1 Unit.
This course is designated to help the student achieve Red Cross certification in Standard First Aid and CPR. In addition to developing safety awareness, the student obtains a body of knowledge and practice skills that relate to proper medical emergency responses. Lab fee is required.
HESP 025. Advanced First Aid. 2 Units.
Advanced First Aid and Emergency Care reviews concepts and theories in Standard First Aid and includes more sophisticated skill development: triage, extrication, traction splinting and water rescue. Includes CPR instruction. Standard First Aid is not a prerequisite although it is recommended that students have some basic first aid knowledge. Lab fee is required.
HESP 041. Heart, Exercise and Nutrition. 4 Units.
This course is an introduction to the acute and chronic effects of exercise on the cardiovascular and musculo-skeletal systems. An individually prescribed exercise program based upon class discussion and laboratory assessment of aerobic capacity, blood lipids, and nutritional habits is offered as well as CPR certification. Lab fee is required.
HESP 043. Health Education for Teachers. 3 Units.
This course examines objectives from the California Health Education Framework, the health status of youth, at-risk students, components of comprehensive school health education, the role of the teacher in school health services, and special health concerns of today's youth. It is designed to satisfy the Commission for Teacher Credentialing requirement for health education and includes mandated information on nutrition, alcohol, tobacco, and other drugs.
HESP 045. Nutrition for Health. 4 Units.
This is a basic introductory nutrition course designed to help students make healthy diet choices. This course includes an examination of the digestion and absorption of nutrients, and an overview of the biochemistry of the macronutrients; carbohydrate, lipid, protein, and water; and micronutrients; vitamins and minerals. The role of nutrients in disease processes such as obesity, cardiovascular disease, and aging as well as diet planning, production of food, and control of energy balance are covered. Students may not receive credit for this course if they take either BIOL 045 or HESP 135.
HESP 061. Medical Terminology. 4 Units.
This course provides a foundation in medical terminology for students in allied health curriculums who need to know the language on health care. Students are introduced to the major word parts used in the formation of medical terms which include suffixes, prefixes, and combining forms. Common words associated with the systems of the body are also studied. Instruction takes place online through the Blackboard Learning System. There are no prerequisites for this course.
HESP 087. Fieldwork. 2-4 Units.
This course is laboratory work in school and community agencies. The course is open to non-majors by permission of instructor. Grading is Pass/No credit only.
HESP 089. Practicum. 1 or 2 Unit.
The practicum offers non-classroom experiences in activities related to Health, Exercise and Sport Sciences, under conditions determined by the appropriate faculty member. HESP 189 represents advanced practicum work involving increased independence and responsibility. Enrollment is limited to eight units maximum of 089/189A, B, C, D, H, J, K offerings and no category within a course may be repeated for credit. A list of specific courses follows.
HESP 089J. Practicum: Kinesiology. 2 Units.
Non-classroom experiences in activities related to Sport Medicine, under conditions determined by the appropriate faculty member. HESP 189 represents practicum work involving increased independence and responsibility. Enrollment is limited to six units maximum of HESP 089/189A, B, C, D offerings and no category within a course may be repeated for credit. Grading is Pass/No Credit only.
HESP 100. Introduction to Research in Health, Exercise and Sport Sciences. 3 Units.
This course is designed to develop research skills specific to the fields within health, exercise and sport sciences. Students learn to collect, review, synthesize and critically analyze scholarly research. Students are also able to create research questions and establish hypotheses, and they are supposed to a variety of data collection methods. In addition, students learn to apply appropriate techniques to interpret data and apply the results in health, exercise, and sport settings. The intention of this course is to develop analytical skills to enable the student to conduct and evaluate ethical research in your chosen field.
HESP 120. Instructional Strategies and Methods of Teaching and Coaching. 4 Units.
This course is designed for the future physical educator or coach to deliver an effective, meaningful physical education curriculum to a diverse population of students. Emphasis is on physical education pedagogy; the skills and techniques that successful teachers use to ensure student learning. Students engage in guided teaching and systematic observation experiences at the primary and secondary school levels in an effort to introduce them to effective teaching and coaching behaviors.
HESP 121. Analysis of Team and Individual Sports. 3 Units.
This is an applied motor learning approach to skill acquisition for team and individual sports. In addition to personal skill development, students learn to prepare the introduction, explanation and demonstration of sports and Individual sports. In addition to personal skill development, students

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HESP 123. Analysis of Nontraditional Games and Sports. 3 Units.
This is an applied motor learning approach to skill acquisition for nontraditional games and sports. A variety of nontraditional games and outdoor activities embedded in the CA curriculum framework for physical education. Clinical experience is provided for secondary students in the community. Eight to 10 different nontraditional games and sports are presented and instruction time per sport varies. Lab fee required.

HESP 127. History and Philosophy of Sport and PE. 3 Units.
The course is designed to explore the development of sports and physical education from Ancient Greece to the present day. Students examine the organization, purpose and goals of sports and PE programs and critically evaluate a range of topics including but not limited to: performance-enhancing practices, equity and inclusion and health-related trends. The intention is to develop the students’ understanding of the historical and philosophical foundations of sports and PE and examine the implications of these for goals, scope and components of sport and PE programs in America.

HESP 129. Principles of Exercise Physiology. 4 Units.
A course designed to meet the broad needs of Sports Sciences majors, utilizing a practical approach based on underlying physiological principles as guidelines for exercise practices, as found in physical education, athletics, adult exercise prescription and other settings. Outside laboratory assignments are carried out for the purpose of demonstrating basic physiological responses and the resulting principles that are drawn from them for application in exercise and testing settings. Lab fee required.

HESP 131. Assessment and Evaluation. 4 Units.
This course is the development of competencies of Health, Exercise and Sport Sciences majors for the design and implementation of procedures to appropriately measure and evaluate students, clients and/or programs. Basic data acquisition methods and statistical analysis techniques are presented. A Lab fee is required.

HESP 133. Kinesiology. 4 Units.
This course is a functional study of musculoskeletal anatomy and its relationship to human movement, posture, exercise prescription, and rehabilitation. Prerequisite: BIOL 011 or BIOL 051 or BIOL 061 or permission of instructor, and lab fee required.

HESP 135. Sports Nutrition. 4 Units.
This course provides a thorough study of the principles of nutrition as they relate to individuals who participate in sports or physical activity. Topics include calculating energy balance and the role of carbohydrates, fat, protein, vitamins, minerals and water in sports performance. The application of these topics for optimal metabolic functioning to a variety of physical activities is also presented.

HESP 137. Psycho-Social Aspects of Sport. 3 Units.
Students study the manner in which psychological factors influence sport performance and the manner in which sport participation can influence the human psyche. Theories concerning the relationship between human cognition, behavior and sport performance are covered. Particular emphasis is given to the practical application of these theories.

HESP 139. Exercise Physiology. 4 Units.
This course employs the theories and methods of psychology to examine the related fields of competitive sports, fitness, exercise, and rehabilitation from injury. Major questions addressed in the course include: How do psychological factors influence participation in physical activity and performance of the individual? How does participation in physical activity or incapacity due to an injury affect the psychological make-up of the individual? These questions are explored from educational, coaching, research, and clinical perspectives.

HESP 141. Sport, Culture and U.S. Society. 4 Units.
This course is designed to explore the relationship between sport, culture and society in both the USA and the broader global world. Students learn to critically examine a wide range of topics that include, but not limited to, sport and gender, sport and race, global sports worlds, drugs and violence in sport, sport and politics and the crime-sport nexus. The intention of this course is to develop the student’s sociological imagination and encourage the student to think critically about the role sport plays in the development of societies, ideologies and everyday life.

HESP 142. Sport and Globalization. 4 Units.
This course examines the interaction between sport and globalization. The foundation of the course is to provide a basic understanding of globalization and its underlying forces will provide a foundation for the course. The main focus of the course is the reciprocal nature of sport and globalization with special attention given to sport economic, cultural, and political issues. This course explores sport tourism and the Olympics as the two main intersections of sport and globalization.

HESP 143. Prevention and Acute Care of Injury and Illness. 4 Units.
This course provides an overview of the field of Athletic Training, its organization, and the responsibilities of a Certified Athletic Trainer (AT) as part of the sports medicine team. Instruction emphasizes prevention, recognition, and immediate care of injuries and illnesses associated with physical activity. This course is recommended for freshmen.

HESP 145. Therapeutic Modalities. 4 Units.
This course is a lecture and laboratory experience designed to expose the student to the theory, principles, techniques and application of therapeutic modalities pertaining to the treatment of athletic or activity related injuries. Topics include discussions of the physiological effects, indications, contra indications, dosage and maintenance of each modality. Recommended: BIOL 081. Lab fee is required. Junior standing.

HESP 146. Health, Disease, and Pharmacology. 4 Units.
This course is an in-depth exploration of physical, mental, and social health with specific emphasis on recognizing the signs, symptoms, and predisposing conditions associated with the progression of specific illnesses and diseases as they relate to the physically active individual. Students also develop an awareness of the indications, contraindications, precautions, and interactions of medications used to treat these illnesses and diseases.

HESP 147. Exercise Physiology I. 4 Units.
This course is primarily designed to familiarize students with the theoretical background and hands-on skills to competently assess levels of wellness/fitness in a healthy, active, adult population. The topics and skills in the class encompass the latest information on the structure and function of body systems, training adaptations, testing and evaluation, exercise techniques, and program design. These skills are used to prescribe lifestyle and/or exercise modifications that result in individual progress toward a desired goal. The content of this course is highly focused toward the knowledge and skills required for successfully completing the National Strength and Conditioning Association’s Certified Strength and Conditioning Specialist (CSCS) examination. Prerequisite: HESP 129 and upper-division class standing. Lab fee required.

HESP 149. Clinical Evaluation and Diagnosis I. 3 Units.
This course presents an in-depth study of musculoskeletal assessment of the lower extremity, thoracic and lumbar spine for the purpose of identifying (a) common acquired or congenital risk factors that would predispose an individual to injury and/or (b) musculoskeletal injury common to athletics or physical activity. Students receive instruction in obtaining a medical history, performing a visual observation, palpating bones and soft tissues, and performing appropriate special tests for injuries and conditions of the foot, ankle, lower leg, knee, thigh, hip, pelvis, lumbar and thoracic spine. This course is directed toward students who pursue athletic training and/or physical therapy professions. Prerequisite: HESP 139 or BIOL 071, and a lab fee is required.
HESP 150. Clinical Evaluation and Diagnosis II. 3 Units.
This course presents an in-depth study of musculoskeletal assessment of the upper extremity, cervical spine, head and face for the purpose of identifying (a) common acquired or congenital risk factors that would predispose an individual to injury and/or (b) musculoskeletal injury common to athletics or physical activity. Students receive instruction in obtaining a medical history, performing a visual observation, palpating bones and soft tissues, and performing appropriate special tests for injuries and conditions of the shoulder, upper arm, elbow, forearm, wrist, hand, fingers, thumb, cervical spine, head, and face. This course is directed toward students who pursue athletic training and/or physical therapy professions. Students may take this course independent of HESP 149. Prerequisite: HESP 133 or BIOL 071. Lab fee is required.

HESP 151. Elementary Physical Education. 3 Units.
This course is designed to prepare students for employment in an elementary school setting and provide them with the tools necessary to formulate and implement a comprehensive elementary PE experience for all students. Participants learn a wide range of teaching skills that facilitate the ability to create a quality active learning environment in elementary PE. Students explore effective teaching and assessment strategies, classroom management skills, the use of constructive feedback, the negotiation of diverse classrooms and the development of appropriate student learning outcomes. Students also are introduced to the subject matter of elementary PE and will undertake several teaching episodes. This course encourages students to engage in reflexive teaching practices, develop physically educated young people, maximize student involvement and enjoyment in PE and integrate core curriculum subject matter into PE lessons.

HESP 152. Secondary Physical Education. 4 Units.
This course is designed for junior/senior level students in the Sport Sciences/Sport Pedagogy concentration to deliver an effective, meaningful physical education curriculum to diverse students. This course covers curriculum components that include content, content organization, distinctive curriculum models and aspects of curriculum application. Students learn how to sustain a positive learning experience, conceive and plan meaningful curricula for school based instruction, and link the school program to opportunities for adolescents outside of school. Prerequisites: HESP 121, HESP 123, HESP 151.

HESP 153. Equity and Inclusion in Physical Education. 4 Units.
This course is designed to provide students with the theoretical and practical tools necessary to teach PE within a diverse classroom. Students learn a wide range of teaching skills that facilitate their ability to create a quality inclusive learning environment in Physical Education. Particular attention is paid to the following diversity categories: disabilities, gender, ethnicity and social class. Students explore a variety of adapted PE activities, federal/state legislative mandates and related policies, effective teaching and assessment strategies, classroom management skills, the use of constructive feedback and the development of appropriate student learning outcomes within diverse classrooms. Students undertake a number of peer-to-peer teaching episodes. The course encourages the students to engage in reflexive teaching practices, develop inclusive PE lessons sensitive to diversity issues and maximize student involvement and enjoyment in PE.

HESP 155. Motor Learning. 3 Units.
This course examines aspects of skilled performance and motor learning from a developmental perspective. It is concerned with the major principles of human performance and skill learning, the progressive development of a conceptual model of human actions and the development of skill through training and practice. Topics include human information processing, decision-making and movement planning, perceptual processes relevant to human movement, production of movement skills, measurement of learning, practice design, preparation, organization, and scheduling.; use of feedback, in addition to the application of motor learning principles to sport, physical education, industrial and physical therapy settings.

HESP 157. The Clinician in Health and Exercise Science. 4 Units.
This course integrates theory and practice and requires students to develop a research topic, consistent with an explicitly and narrowly defined area of interest. Permission of the instructor is required.

HESP 159. Educator in Preparation. 3 Units.
This course is designed for the future physical educator to deliver an effective, meaningful physical education experience to diverse students and help them sustain it through the knowledge to conceive and plan meaningful curricula, the administrative skill to produce an organizational structure within school time that optimizes the impact of the program, and the creative energy to link the school program to opportunities for children and youths outside of school. Prerequisites: HESP 131 and HESP 151.

HESP 161. Biomechanics of Human Movement. 4 Units.
This course is an introduction to the biomechanics of human movement and the analytic procedures and techniques for subsequent application in the sport sciences and related fields. The course includes a review of basic functional/mechanical human anatomy and kinesiology. Outcome objectives are an understanding of mechanical principles governing human movement, skill in use of a variety of measurement techniques commonly applied in biomechanics, an ability to analyze motor skill performance via cinematographic/ computer methodologies and skill in prescriptively communicating results of analysis. Prerequisite: BIOL 011 or BIOL 051 or BIOL 061 or permission of instructor, and a lab fee is required.

HESP 163. Therapeutic Exercise. 4 Units.
This course is an application of the theory and principles associated with therapeutic exercise and the application of various rehabilitation techniques and procedures during the course of an athlete’s rehabilitation to attain normal range of motion, strength, flexibility, and endurance. Prerequisite: HESP 133 or permission of instructor, and a lab fee is required.

HESP 165. Legal Aspects of Health, Exercise and Sport. 4 Units.
This course addresses legal issues and responsibilities relevant to professionals in the areas of health and exercise science, sport management, sport pedagogy and athletics. General legal principles supported by case law in such areas as negligence, contract law, constitutional law, antitrust laws and unlawful discrimination are offered.

HESP 167. Introduction to Sport Management. 4 Units.
This course is for beginning sport management students and students interested in sport business. Students study general academic, managerial, and business concepts related to sport and explore the variety of sport and fitness-related businesses and organizations within the public and private sectors. Potential career opportunities are considered.

HESP 169. Managing Sport Enterprises. 4 Units.
The purpose of this class is to introduce students to management and leadership in the sport industry. The unique attributes and structures of sport organizations will be explained. The course then covers multiple frames of organizational analysis and applies these to sport settings. In addition, students learn managerial and leadership skills and develop a management philosophy suited to the sport industry. Prerequisites: HESP 167 and HESP 187A.

HESP 171. Sport Economics and Finance. 4 Units.
This course is designed to address the respective areas of sport economics, finance, and labor relations. Both theoretical and practical aspects are explored. Students examine sport as a multi-billion dollar industry and analyze the role of sport within the larger socio-economic structure within the United States and internationally. Prerequisites: ECON 053 and BUSI 031. Junior standing.
HESP 172. Case Analysis in Sport and Fitness Management. 4 Units.
This course addresses the principles and practices pertinent to the
development and operation of the private and commercial sport or
fitness enterprise. The case study method focuses on designing and
implementing the prospectus, feasibility studies, and the analysis of
organizational effectiveness. Topics of special interest include the
planning and controlling of resources, facility operations, and strategies for
production and operations management.

4 Units.
This course is an in-depth study of the management of health care
organizations related to finances, facilities, equipment, organizations
structures, medical/insurance records, risk management, human
relations, and personnel. Practical and conceptual skills are taught to help
students focus on more efficient health care delivery. Also covered is the
development of leadership skills, future trends in health care management,
guidelines for designing effective work groups and managing conflict.

HESP 174. Sport Marketing and Promotions. 4 Units.
This course focuses on three main aspects of sports marketing. First,
students gain the knowledge necessary to market sport products. Second,
the course covers the manner in which sport is used as a marketing tool.
Finally, students learn about the variety of forms of public relations that are
used by sport organizations. In the process, students become familiar with
the role of technology in sport marketing and public relations. Sophomore
standing.

HESP 175. Sport Event and Facility Management. 4 Units.
This course is a comprehensive investigation into the principles needed
to design, implement, and manage all types of sport events and facilities.
Planning, logistics, risk management, human resource management, and
marketing of events and facilities are given special attention. Opportunities
for the application of these principles are also provided. Prerequisites:
BUSI 107 and HESP 174, Junior standing.

HESP 177. Exercise Physiology II. 4 Units.
This course seeks to fulfill two main objectives: 1) To establish a
foundational understanding of clinical exercise testing to examine cardiac,
metabolic and respiratory pathology. 2) To provide a more in-depth
examination of several basic exercise physiology concepts introduced in
HESP 129. These include lactate kinetics, oxygen dynamics, pulmonary
function and cardiovascular function during exercise and in response to
training. Prerequisite: HESP 129 and upper division class standing. Lab
fee required.

HESP 179. Introduction to Research. 4 Units.
This course covers the rationale for and status of professional research;
research designs and their applicability to students’ disciplines, review,
critique and synthesis of selected literature; development of research
proposal and pretest of instrument.

HESP 182. Exercise Testing and Prescription. 4 Units.
This course is primarily designed to provide students with the hands-
on training and theoretical background to competently assess levels of
wellness/fitness in an “apparently healthy” (i.e. low risk) adult
population. The topics and skills addressed include health screening
protocols/risk stratification, use of informed Consent documents, as
well as measurement protocols for the health-related components of
fitness (i.e. cardiorespiratory fitness, muscular fitness, flexibility, body
composition). These skills are then used to prescribe lifestyle and/or
exercise modifications that result in individual progress toward a
desired goal. The content of this course is highly focused toward the
knowledge and skills required for taking the ACSM Fitness Specialist
(HFS) certification exam. Prerequisite: HESP 147.

HESP 187. Internship in Health and Exercise Science. 4 Units.
This course provides an opportunity for qualifying students to work in an
area of Health and Exercise Science that interests them. Prerequisites:
HESP 157, GPA 2.0, no grade below “C-” in major, and approval of course
supervisor.

HESP 187C. Practicum: Biomechanics. 2 Units.
These courses provide advanced practicum work in Sport Medicine. See
HESP 089 for subcategories and enrollment limitations. Grading option is
Pass/No Credit only.

HESP 187D. Sport Pedagogy Internship I. 2 Units.
This class involves the student completing a semester-long internship
connected to their chosen field of sport pedagogy. This internship
develops their evaluation skills and encourage the student to engage in
reflexive teaching practices to better prepare themselves for the
challenges and terrain of their post-graduation employment. Prerequisite:
HESP 131.

HESP 187E. Sport Pedagogy Internship II. 4 Units.
This class involves the student completing a semester-long internship
connected to their chosen field of sport pedagogy. This internship
develops their evaluation skills and encourage the student to engage in
reflexive teaching practices to better prepare themselves for the
challenges and terrain of their post-graduation employment. Prerequisite:
HESP 187D.

HESP 189. Practicum: Coaching. 1 or 2 Unit.
The practicum offers non-classroom experiences in activities related to
Sports Sciences, under conditions determined by the appropriate faculty
member. HESP 189 represents advanced practicum work involving
increased independence and responsibility. Enrollment is limited to eight
units maximum of HESP 089/189A, B, C, D, H, J, K offerings and no
category within a course may be repeated for credit. A list of specific
courses follows. Grading option is Pass/No Credit only.

HESP 189A. Practicum: Adapted Physical Education. 2 Units.
These courses provide advanced practicum work in Sport Medicine. See
HESP 089 for subcategories and enrollment limitations. Prerequisite:
HESP 169 with a “C-“ or better.

HESP 189B. Practicum: Athletic Training III. 2 Units.
This is a clinical education course in the field of athletic training. It
incorporates an experiential learning environment designed to prepare
students for a career in athletic training. Advanced skills are introduced
within the daily operations of the athletic training room and in the care
of the athletes. Criteria for progression must be met before enrolling in
subsequent practicum course. Prerequisite: HESP 089K.

HESP 189C. Practicum: Biomechanics. 2 Units.
These courses provide advanced practicum work in Sport Medicine. See
HESP 089 for subcategories and enrollment limitations. Grading option is
Pass/No Credit only.

HESP 189D. Practicum: Exercise Physiology. 2 Units.
These courses provide advanced practicum work in Sport Medicine. See
HESP 089 for subcategories and enrollment limitations. Grading option is
Pass/No Credit only.

HESP 189E. Practicum: Sport Pedagogy. 2 Units.
This course offers a supervised leadership experience in the elementary
or secondary school setting. The student works as a physical education
specialist and develops as well as conducts appropriate physical activity
programs. Prerequisites: HESP 151 or HESP 159 and permission of
instructor.

HESP 189F. Practicum: Coaching. 2 Units.
Students are assigned to an intercollegiate or interscholastic sports team
for the semester and participate in practice sessions throughout the
specific sport season. Written guidelines are developed cooperatively by the
supervisor, coach and student. Prerequisites: HESP 139 and HESP
155.

HESP 189G. Practicum: Coaching. 2 Units.
Students will be assigned to an intercollegiate or interscholastic
sports team for the semester and will participate in practice sessions
throughout the specific sport season. Written guidelines will be developed
coeoperatively by the supervisor, coach and student. Prequisites: HESP
139 and HESP 155.

HESP 189H. Practicum: Sports Law. 2 Units.
These courses provide advanced practicum work in Sport Medicine. See
HESP 089 for subcategories and enrollment limitations. Grading option is
Pass/No Credit only.
HESP 189J. Practicum: Kinesiology. 2 Units.
These courses provide advanced practicum work in Sport Medicine. See HESP 089 for subcategories and enrollment limitations. Prerequisite: HESP 133 with a "C-" or better. Grading option is Pass/No Credit only.

HESP 189K. Practicum: Athletic Training IV. 2 Units.
This clinical education course is in the field of athletic training. It incorporates an experiential learning environment designed to prepare students for a career in athletic training. The focus of this course is mastery of all entry-level skills encountered within the daily operations of the athletic training room and in the care of the athletes. Students go through final preparations for the NATABOC examination. Prerequisite: HESP 189B.

HESP 191. Independent Study. 1-4 Units.
HESP 193. Special Topics. 1-4 Units.
HESP 195. Ethical Issues in Sport. 3 Units.
The primary goal of this course is to enhance student awareness regarding their values, their evolving moral and ethical codes, and the ways of addressing moral problems. Students examine various ethical theories and questions encountered in the field of Sport Sciences. As part of this course, students need to identify necessary information from various sub-disciplines in order to make professional and ethical decisions. Senior standing.

HESP 197. Independent Research. 1-4 Units.