College of Physical Activity and Sport Sciences

Degree Offered

• Bachelor of Science

Nature of Program

Students in athletic coaching education, athletic training, multidisciplinary studies, physical education and kinesiology, sport and exercise psychology, and sport management examine the relationship of play, games, sport, athletics, fitness, and dance to our culture and cultures throughout the world. Their preparation includes the acquisition of knowledge and skills from a vast array of movement activities in addition to an understanding of associated physiological, biomechanical, sociological, psychological, historical, philosophical, and pedagogical principles.

Graduates in physical education and kinesiology are generally employed in educational, community, and private organizations as health and/or physical education teachers, sport instructors and/or physical activity specialists. Graduates in sport and exercise psychology and sport management are employed with professional and collegiate sport enterprises, fitness centers, recreation programs, sporting goods stores, or commercial sporting goods manufacturers, or pursue graduate training. Athletic coaching education graduates are employed as coaches, strength and conditioning specialists, and work in the health and fitness industry. Athletic training graduates often work in high school, college, professional, and health/medical facilities to help treat and prevent injury. Students graduating with a degree in multidisciplinary studies work throughout the sport industry, as they are able to develop knowledge and skills across the domains studied within the college and beyond.

Programs

Baccalaureate programs offered in the College of Physical Activity and Sport Sciences (CPASS) include athletic training, athletic coaching education, multidisciplinary studies, physical education and kinesiology, sport and exercise psychology, and sport management. The College of Physical Activity and Sport Sciences has available to students, minors including:

• personal training
• group fitness
• sport and exercise psychology
• sport communication
• aquatic facility management
• strength and conditioning
• scholastic sport coaching
• adventure sports leadership

Facilities

The facilities of the College of Physical Activity and Sport Sciences include the gymnasium and swimming pool in E. Moore Hall; indoor track and sports area in the Shell Building; outdoor areas including tennis courts, grass and turf fields, and the outdoor track; and the Natatorium with its pool and diving well. The College of Physical Activity and Sport Sciences moved into a new building bordering the Student Recreation Center and intramural fields in the summer of 2014. The new building has nine technology based classrooms, three large seminar/conference rooms, a 46 seat computer lab, research space, a consulting/observation room, multipurpose instructional room, an instructional fitness lab, and faculty offices.

Credit Load Per Semester

The minimum workload per semester for a full-time student is twelve hours and the maximum workload per semester is twenty hours. However, an advisor may register a student as a part-time student if fewer than twelve hours are required to meet all requirements for the bachelor’s degree. Other exceptions to these regulations may be requested through discussion with one’s advisor.

Physical Education Basic Instruction

Physical education classes are open to all students at the University. A wide variety of team, individual, and leisure sports and recreational activities in the form of aquatics, fitness, martial arts, and outdoor adventure are offered. The motto of the Basic Instruction Program is “Play to be fit, and be fit to play” so the aims of the program are to develop:

• An appreciation of the body and its capacity to move
• Movement skills of games, sport, dance, and aquatics
• An appreciation of the value of continued activity throughout all age periods in an individual's life
• An understanding of the cultural significance of sport and dance
• Concepts of the physiological characteristics of sport and movement
All courses numbered PE 101–293 are at a beginner’s level unless otherwise specified. Repeating an activity is not allowed except at a more advanced level.

**ADMINISTRATION**

**DEANS OFFICE**
- Dana D. Brooks - Ed.D. (West Virginia University)  
  Dean
- Jack Watson - Ph.D. (Florida State University)  
  Associate Dean

**DEPARTMENT CHAIRS**
- Gonzalo Bravo - Ph.D. (Ohio State University)  
  Chair, Sport Sciences
- Valerie Wayda - Ed.D. (West Virginia University)  
  Chair, Coaching and Teaching Studies

**PROFESSORS EMERITI**
- William Alsop - Ed.D. (West Virginia University)  
- Linda Carson - Ed.D. (West Virginia University)  
- J. William Douglas - Ph.D. (Ohio State University)  
- Andrew Hawkins - Ph.D. (Ohio State University)  
- Lynn Housner - Ph.D. (University of Pittsburgh)  
- Andrew C. Ostrow - Ph.D. (University of California)  
- Robert Wiegand - Ph.D. (Slippery Rock University)  
- Daniel Ziatz - Ph.D. (University of Utah)

**Degree Designation Learning Outcomes**

**BACHELOR OF SCIENCE (BS)**

The mission of the College of Physical Activity and Sport Sciences is to prepare our students to become effective practitioners and leaders in their respective fields and to enhance the quality of life of the citizens of West Virginia and beyond. The college offers emphasis areas in Athletic Coaching Education, Athletic Training, Physical Education Teacher Education, Multidisciplinary Studies, Sport and Exercise Psychology, and Sport Management. These programs are characterized by curricular experiences which are designed to broaden perspectives, enrich awareness, deepen understanding, establish disciplined habits of thought, prepare for meaningful careers, and thus help individuals become informed, responsive and productive citizens.

Students in Bachelor of Science degree programs in CPASS

- Participate in professional development activities to become engaged professionals within their community and professional field of practice
- Demonstrate the ability to utilize technology to advance their professional growth and practice
- Engage in diverse thinking and generation of ideas with the goal of promoting critical inquiry
- Demonstrate professional program competencies, where appropriate, aligned with national accreditation agencies
- Apply knowledge to promote healthy lifestyles

The College of Physical Activity and Sport Sciences offers eight different minors. To complete any minor, students must notify their department to declare a minor.

**ADVENTURE SPORTS LEADERSHIP MINOR**

**MINOR CODE - U083**

This minor is designed to provide students with the solid base of knowledge, skills, and experiences sought by many employers within the adventure sports industry. Adventure Sports Internship can not be completed until required courses (ACE 451, ACE 452, ACE 454, PE 169, and PE 189) are completed with a letter grade of C or higher. Student must possess valid WFA or WFR and CPR certifications upon graduation. Other electives may be approved and accepted. Contact Valerie Wayda, Chair, Coaching & Teaching Studies at (304) 293-0830 or e-mail at valerie.wayda@mail.wvu.edu or Carol Straight, Advising Center at (304) 293-0839 or email at cstraig@mail.wvu.edu.
### REQUIRED COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACE 389</td>
<td>Introduction to Adventure Sports</td>
<td>1</td>
</tr>
<tr>
<td>ACE 451</td>
<td>Plan/Risk Management for Adventure Sport</td>
<td>3</td>
</tr>
<tr>
<td>ACE 452</td>
<td>Outdoor Leader/Group Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>ACE 454</td>
<td>Advanced Sport Instruction Techniques</td>
<td>3</td>
</tr>
<tr>
<td>PE 169</td>
<td>Outdoor Navigation and Survival</td>
<td>1</td>
</tr>
<tr>
<td>PE 183</td>
<td>Wilderness First Aid Basics</td>
<td>1-3</td>
</tr>
<tr>
<td>or RPTR 148</td>
<td>Wilderness First Responder</td>
<td></td>
</tr>
<tr>
<td>ACE 455</td>
<td>Adventure Sports Internship (Internship)</td>
<td>2-6</td>
</tr>
</tbody>
</table>

#### ELECTIVES (minimum of four courses)

- PE 120 Canoeing
- PE 172 Cycling Basics
- PE 181 Rock Climbing Basics
- PE 184 Snow Sport Basics
- RTPR Course - Group Facilitation Dynamics

Total Hours: 18-26

### AQUATIC FACILITY MANAGEMENT MINOR

**MINOR CODE - U080**

The Aquatic Facility Management minor prepares students to manage an aquatic facility effectively and efficiently. As part of the coursework, students will have the opportunity to receive two certifications needed for pool operation. The certifications students can obtain are Certified Pool Operator and Aquatic Aerobics Instructor. Students will get hands-on experience working with pool managers and aquatic directors during their internship.

The Aquatic Facility Management Minor requires the completion of all required courses with a letter grade of C- or higher. Most of the content for the courses is completed online with skills assessments on weekends or evenings. For more information, contact Valerie Wayda, Chair, Coaching & Teaching Studies at (304) 293-0830 or e-mail at valerie.wayda@mail.wvu.edu or Carol Straight, Advising Center at (304) 293-0839 or email at cstraig@mail.wvu.edu.

A minimum GPA of 2.0 is required in all minor courses

#### REQUIRED COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACE 482</td>
<td>Certified Pool Operator</td>
<td>3</td>
</tr>
<tr>
<td>ACE 483</td>
<td>Aquatic Exercise Professional</td>
<td>3</td>
</tr>
<tr>
<td>ACE 484</td>
<td>Aquatic Staff and Programming</td>
<td>3</td>
</tr>
<tr>
<td>ACE 485</td>
<td>Aquatic Design and Budget</td>
<td>3</td>
</tr>
<tr>
<td>ACE 486</td>
<td>Aquatic Management Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Hours: 15

### SCHOLASTIC COACHING MINOR

**MINOR CODE - U137**

The Scholastic Coaching minor is designed for students who are education majors, in the MDS program, sport and exercise psychology majors, sport management majors, and in any other sport or exercise related profession who may be interested in coaching at the interscholastic or recreational levels. Upon completion of the minor, students will fulfill the West Virginia Secondary School Activities Commission (WVSSAC) coaching certification requirements. Students must earn a letter grade of C or higher in all courses in the minor. In addition, students must provide proof of current First Aid, AED, and CPR certifications prior to enrolling in and through the duration of Practicum Coaching Youth Sports. For more information, contact Valerie Wayda, Dept Chair for Coaching & Teaching Studies at (304) 293-0830 or e-mail at valerie.wayda@mail.wvu.edu (Valerie.Wayda@mail.wvu.edu) or Carol Straight, Advising Center at (304) 293-0839 or email at cstraig@mail.wvu.edu.

A grade of C- or higher must be earned in all minor courses

#### REQUIRED COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACE 256</td>
<td>Principles and Problems of Coaching (offered in summer only)</td>
<td>3</td>
</tr>
<tr>
<td>PET 244</td>
<td>Motor Learning and Performance</td>
<td>2</td>
</tr>
<tr>
<td>ACE 430</td>
<td>Coaching Education Administration</td>
<td>3</td>
</tr>
<tr>
<td>or SM 485</td>
<td>Sport Management</td>
<td></td>
</tr>
<tr>
<td>SM 426</td>
<td>Liability in Sport</td>
<td>3</td>
</tr>
<tr>
<td>ACE 489</td>
<td>Practicum Coaching Youth Sport</td>
<td>3</td>
</tr>
</tbody>
</table>
One of the following Techniques of Coaching classes:

<table>
<thead>
<tr>
<th>Course</th>
<th>Techniques of Coaching</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACE 357</td>
<td>Techniques of Coaching: Lacrosse</td>
</tr>
<tr>
<td>ACE 359</td>
<td>Techniques of Coaching: Swimming</td>
</tr>
<tr>
<td>ACE 361</td>
<td>Techniques of Coaching: Track</td>
</tr>
<tr>
<td>ACE 362</td>
<td>Techniques of Coaching: Soccer</td>
</tr>
<tr>
<td>ACE 364</td>
<td>Techniques of Coaching: Football</td>
</tr>
<tr>
<td>ACE 365</td>
<td>Techniques of Coaching: Basketball</td>
</tr>
<tr>
<td>ACE 366</td>
<td>Techniques of Coaching: Volleyball</td>
</tr>
</tbody>
</table>

Total Hours 16

GROUP FITNESS MINOR
MINOR CODE - U089

The Group Fitness minor is designed to prepare students for a professional career in designing and conducting comprehensive group fitness exercise programs. Students must earn a letter grade of C or higher in all courses.

Students will demonstrate the necessary professional competencies to design and teach group fitness exercise classes in step, hi/lo, interval, and use of resistance equipment using appropriate music tempo and progressive choreography. In addition, students will specialize in three of the following: Fitness Yoga, Indoor Cycling, Mat Pilates, Boxing, and Aqua Fitness. Students will learn to design safe and effective group fitness exercise programs that adhere to all codes, laws, regulations, and procedures within the recognized scope of practice for group fitness instructors set by the American College of Sports Medicine (ACSM) and the American Council on Exercise (ACE). Students must sit for the American Council on Exercise National Certification Exam. For more information, contact Nancy Naternicola, Coordinator at (304) 293-0858 or e-mail at Nancy.Naternicola@mail.wvu.edu.

REQUIRED COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACE 373</td>
<td>Fitness Management</td>
<td>3</td>
</tr>
<tr>
<td>ACE 470</td>
<td>Methods of Aerobic Instruction</td>
<td>3</td>
</tr>
<tr>
<td>ACE Course - Methods of Group Fitness 2</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ACE 463</td>
<td>Group Fitness Internship</td>
<td>6</td>
</tr>
</tbody>
</table>

Total Hours 15

PERSONAL TRAINING MINOR
MINOR CODE - U068

The Personal Trainer minor is designed for individuals who want a professional career in the fitness/wellness industry. Students are trained to screen clients, evaluate their clients' current fitness abilities, and to individualize an exercise program to fit client goals. The goal is to provide guided practical skills application to those students who wish to teach fitness related concepts to individuals (clients). Students will be prepared for and required to sit for the American Council on Exercise National Certification Exam. Students must earn a letter grade of C or higher in all coursework. For more information, contact Nancy Naternicola, Coordinator at (304) 293-0858 or e-mail at Nancy.Naternicola@mail.wvu.edu.

A grade of C or higher must be earned in all minor courses

REQUIRED COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACE 373</td>
<td>Fitness Management (only offered in summer)</td>
<td>3</td>
</tr>
<tr>
<td>ACE 374</td>
<td>Fitness Field Testing (only offered in summer)</td>
<td>3</td>
</tr>
<tr>
<td>ACE 375</td>
<td>Lifestyle and Weight Management (only offered in summer)</td>
<td>3</td>
</tr>
<tr>
<td>ACE 472</td>
<td>Methods of Personal Training (only offered in summer)</td>
<td>3</td>
</tr>
<tr>
<td>ACE 476</td>
<td>Fitness Internship</td>
<td>3-6</td>
</tr>
</tbody>
</table>

Total Hours 15-18

SPORT AND EXERCISE PSYCHOLOGY MINOR
MINOR CODE - U056

A grade of C or higher must be earned in all minor courses

REQUIRED COURSES

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEP 271</td>
<td>Sport in American Society (Pre-requisite Courses)</td>
<td>3</td>
</tr>
<tr>
<td>SEP 272</td>
<td>Psychological Perspectives of Sport (Pre-requisite Course)</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose three of the following: 9
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEP 373</td>
<td>African Americans in Sports</td>
</tr>
<tr>
<td>SEP 383</td>
<td>Exercise Psychology</td>
</tr>
<tr>
<td>SEP 385</td>
<td>Social Psychology of Sport</td>
</tr>
<tr>
<td>SEP 420</td>
<td>Sport Performance Enhancement (Can only be taken in summer for minor)</td>
</tr>
<tr>
<td>SEP 425</td>
<td>Psychological Aspects of Sport Injury</td>
</tr>
<tr>
<td>SEP 493</td>
<td>Special Topics (Must be 3 credit hour course)</td>
</tr>
<tr>
<td>COUN 303</td>
<td>Introduction to Helping Professions</td>
</tr>
</tbody>
</table>

**Total Hours**: 15

### SPORTS COMMUNICATION MINOR

**MINOR CODE - U088**

The sport communication minor requires courses offered by the WVU College of Physical Activity and Sport Sciences and the College of Media. This blended minor includes both on-campus and online courses, and summer coursework is typically required to complete it.

To earn a minor in sport communication, a minimum grade of C- is required in all minor courses.

Students who double or triple minor in any two or three College of Media minors may only count each course towards one specific minor. In the case of overlapping curricula, students must replace the redundant course(s) with one of the College of Media’s online 200-level or higher open-enrollment courses.

A grade of C- or higher must be earned in all minor courses.

**Requirements**

**One of the following:**

- ADV 201 Advertising and Society  
- ADV 215 Principles of Advertising  
- PR 215 Introduction to Public Relations

**Required:**

- JRL 361 Media Relations In Sport

**One of the following:**

- JRL 412 Sport Journalism  
- PR 412 IMC for Sport

**Required: offered by the College of Physical Activity and Sports Sciences**

- SEP 271 Sport in American Society

**Two of the following offered by the College of Physical Activity and Sports Sciences:**

- SM 426 Liability in Sport (Only offered in spring and summer for minors)  
- SM 485 Sport Management (Only offered in fall and summer for minors)  
- SM 486 Sport Marketing & Sales (Only offered in summer for minors)

**Total Hours**: 18

### STRENGTH AND CONDITIONING MINOR

**MINOR CODE - U091**

The Strength and Conditioning minor is designed for individuals who would like to be a strength coach at the high school, college, or professional level or a strength and conditioning professional in the fitness/wellness fields. The minor provides students with in-depth understanding of the theory and practical consideration associated with physical training in the areas of speed, agility, strength, endurance, flexibility, and power.

The completion of the minor prepares students to take the Strength and Conditioning Specialist Certification exam offered by the National Strength and Conditioning Association (NSCA). Certification in CPR is required for the CSCS exam. EXPH 364 (or PET 124 & PET 125) and EXPH 365 (or EXPH 369) are pre-requisite courses for ACE 369. ACE 369 is a pre-requisite course for ACE 371 and ACE 372. ACE 371 and ACE 372 are pre-requisites for ACE 475. For more information, contact Guy Hornsby, Coordinator at William.Hornsby@mail.wvu.edu or Carol Straight, Advising Center at (304) 293-0839 or email at cstraig@mail.wvu.edu.

An overall GPA of 2.0 with a letter grade of "C-" or better in all required courses.

**REQUIRED COURSES**

- EXPH 365 Exercise Physiology 1

Select one of the following sequences:

- 3-4
EXPH 364  Kinesiology
Or
PET 124  Human Body: Structure and Function
& PET 125  and Principles of Human Movement

All of the following coursework MUST be completed:

- ACE 369  Basic Strength/Condtng-Coaches (EXPH majors can substitute EXPH 369 for 4 cr) 3
- ACE 371  Strength and Conditioning Coaching Techniques (only offered during summer) 3
- ACE 372  Sport Specific Strength and Conditioning (only offered during summer) 3
- HN&F 200  Nutrition/Activity/Health (HN&F 171 is pre-req) 3
- ACE 475  Strength and Conditioning Internship (Culminating course in minor) 3

Total Hours 21

**Specialized Accreditation**

The Athletic Training program within the College of Physical Activity and Sport Science has specialized accreditation through the Commission on Accreditation of Athletic Training Education (CAATE).

The Physical Education - Teacher Education program within the College of Physical Activity and Sport Science has specialized accreditation through the National Council on Accreditation of Teaching Education.