

# DEPARTMENT OF PHYSICAL EDUCATION AND EXERCISE SCIENCE

Two undergraduate degrees are offered by the Department of Physical Education and Exercise Science: the Bachelor of Science in Physical Education-Teacher Education and the Bachelor of Science in Exercise Science. The degree programs are uniquely designed to thoroughly prepare students in their chosen professions. The goals listed for each program will be fostered through a carefully arranged and diverse variety of educational and practical opportunities.

Students majoring in Physical Education-Teacher Education, or Exercise Science must earn a grade of “C” or better\* in all major program requirements. Each major within the Department of Physical Education and Exercise Science has specific standards for admission and continuation in the respective program. Failure to maintain the requirements, including GPA, for each of the respective programs throughout the student’s enrollment will result in probation or suspension from the program. PEES majors will be allowed to repeat courses if the following conditions are met:

1. Courses classified as Program Requirements may be repeated only once. A student who fails to complete a PEES course successfully (“C” or better\*) within two attempts may not continue as a major in Physical Education-Teacher Education, or Exercise Science.
2. A student may not repeat more than a total of two 300- and 400-level PEES courses.

Further, all students majoring in Physical Education-Teacher Education, or Exercise Science must complete all University and Departmental assessment requirements. This includes passing the PEES Professional Knowledge Inventory test and demonstrating proficiency and certification in cardiopulmonary resuscitation (CPR) and standard first aid. *Assessment activities will be administered in the PEES 499 Capstone Course and satisfactory performance on each assessment criteria is required to receive a passing grade for the course.*

\*PEES 490 and PEES 491 – Internships for Exercise Science majors requires a “B” or better to be considered as passing. Students should maintain the required GPA (2.75) and be in good standing to enroll in PEES 490.

## **Exercise Science**

The Exercise Science program is designed to prepare students for careers in public, private, hospital, and corporate wellness programs, industrial and cardiac rehabilitation programs as well as fitness and conditioning programs. The student will also be well prepared for graduate study in areas such as cardiac rehabilitation, exercise physiology, physical therapy, and occupational therapy.

### **Curriculum**

A Bachelor of Science in Exercise Science consists of 32 hours of major core courses, 29 hours of additional courses for the major (including a three-hour computer course and a speech course), 35 hours of general education courses, and 24 hours of additional electives.

### **Program Goals**

The goals of the Lander University Exercise Science Major prepare students to be able to

1. Identify and discuss major factors in the evolution of the field of exercise science from its early historical roots to its present position in exercise related careers;
2. Describe and apply bioscience (anatomical, physiological/biochemical, and biomechanical) concepts and changes occurring in the human organism to physical activity, conditioning, and health-related fitness across the lifespan;
3. Describe and utilize a variety of methods, techniques, and procedures to assess the health related components of fitness and subsequently develop appropriate exercise prescriptions that address physical activity, conditioning, and health-related fitness in diverse populations;
4. Understand the scientific method of conducting research and possess the ability to utilize discipline-based research in order to analyze the validity of health-related consumer information; and
5. Exhibit professional dispositions in the exercise-related community conducive to promoting healthy lifestyles.

### **Student Eligibility**

A student may declare a major in Exercise Science (Level I/pre-professional) upon enrollment in the university. However, Exercise Science majors will not be allowed to enroll in 300- and 400-level (professional) exercise science

courses until they have been formally accepted into Level II (professional) of the Exercise Science Program. Students may be admitted into Level II of the Exercise Science Program at Lander University provided the following criteria are met:

1. Submission of a completed Exercise Science Program Application that can be downloaded from the website or obtained from the Director of the Exercise Science Program.
2. Completion of a minimum of 30 credit hours of coursework including PEES 175 (2 credits), PEES 202 (3 credits), PEES 210\* (4 credits), and PEES 219 (3 credits).
3. A minimum cumulative Lander grade point average (GPA) of 2.75 on a 4.0 scale.
4. Successfully complete a SC SLED check.

Students applying for admission must submit application materials by the first Monday of October, February, or June (depending on class standing) to the Director of the Exercise Science Program. Those who are denied admission to Level II of the Exercise Science Program may re-submit their application materials upon successful completion of all admission requirements.

### **Transfer and Second Degree Students**

Transfer and second-degree students will be considered for admission to Level II of the Exercise Science Program upon the completion of the above admission criteria. The Exercise Science Program screening committee reserves the right to determine what (if any) coursework from other colleges and universities will be accepted toward satisfaction of these requirements.

### **Program Requirements**

Students who are admitted to Level II of the Exercise Science Program will be subject to ongoing evaluation. To continue in good standing, students must maintain a minimum cumulative Lander GPA of 2.75. A student who fails to maintain any of the above requirements will be given one semester (probationary period) to re-establish compliance with the requirement(s) before being withdrawn from the program (suspension). Students withdrawn from the program as a result of suspension will not be allowed to enroll in any upper-level exercise science courses but will be allowed to repeat courses if the following conditions are met:

1. Courses classified as Program Requirements may be repeated **only once**. A student who fails to complete a PEES course successfully (“C” or better\*\*) within two attempts **may not continue as a major in Exercise Science**.
2. A student **may not repeat more than a total of two 300- and 400-level PEES courses**.
3. Students should maintain the required GPA (2.75) and be in good standing to enroll in PEES 490.

A student can only be on probation one time. In the case that a student is suspended from the program and is then reinstated, a subsequent failure to maintain standards will result in suspension and not another probation.

\*PEES 210 may be substituted with BIOL 202 for Physical/Occupational Therapy concentrations.

\*\*PEES 490 and PEES 491 (Internships) require a “B” or better to be considered as passing. Students should maintain the required GPA (2.75) and be in good standing to enroll in PEES 490.

### **Physical Education Teacher Certification**

The Bachelor of Science in Physical Education-Teacher Education (K-12) prepares a student for teaching careers in the public schools. The Physical Education-Teacher Education (K-12) is guided by the National Association of Sport and Physical Education (NASPE) and the Council for the Accreditation of Educator Preparation (CAEP), The National Council for Accreditation of Teacher Education (NASPE/NCATE) standards for beginning physical education teachers and aligned with Lander University’s conceptual framework for teacher education.

### **Accreditation**

The Physical Education-Teacher Education (K-12) major is recognized and accredited by NASPE/NCATE/CAEP.

## Curriculum

A Bachelor of Science in Physical Education-Teacher Education (K-12) consists of 47 hours of major core courses, 22 hours of additional courses for the major (including a three-hour computer course), 18.5 hours of teacher certification requirements, and 35 hours of general education courses.

## Program Goals

The goals of the Lander University Physical Education-Teacher Education Major prepare students to be able to

1. Identify and discuss major factors in the evolution of the field of Physical Education-Teacher Education from its early historical roots to its present position in the teaching profession;
2. Describe and apply bioscience (anatomical, physiological/biochemical, and biomechanical) concepts and changes occurring in the human organism to skillful movement, physical activity, conditioning, and fitness across the lifespan;
3. Identify, develop, and utilize a variety of instructional methods and assessment strategies that address the diverse cognitive, psychomotor, and affective learning needs of all students;
4. Describe knowledge of and apply experiences in planning, implementing, and assessing/evaluating a total school program of physical education in accordance with approved national/state content standards and the state physical education assessment program; and
5. Exhibit professional dispositions in the physical education community that promote active, lifelong learners.

## Student Eligibility

**Students enrolled in Secondary (History, English, Chemistry, Mathematics) or PK-12 (PE, Art, Music):**

### Provisional Status

1. Demonstrate professional behaviors and dispositions\* at all times.
2. Maintain a minimum 2.75 GPA on Lander coursework; achieve a grade of “B” or higher in each field experience; achieve a grade of “C” or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department’s GPA requirements within the specific content area).
3. Pass **ALL 3** sections of Praxis Core or have exempting SAT/ACT scores on file at Lander University and confirmed by the Department of Teacher Education.
4. Successfully complete other reviews as required by departments in specific content areas.
5. Apply for admission to the professional program in teacher education (see Department of Teacher Education section of catalog for requirements).

### Candidate Status

1. Enter candidacy with formal admission to the professional program in teacher education.
2. Demonstrate professional behaviors and dispositions\* at all times.
3. Maintain a 2.75 GPA on Lander coursework; achieve a grade of “B” or higher in each field experience; achieve a grade of “C” or higher in all EDUC, ECED, MONT, and SPED courses (see catalog for further details, including each department’s GPA requirements within the specific content area).
4. Take the Praxis II prior to the student teaching semester\*\*
5. Take the PLT (Principles of Learning and Teaching) by the end of the student teaching semester \*\*
6. Successfully complete other departmental requirements, reviews, projects, or milestones.

Students not meeting one or more of the requirements will not progress to Candidate Status.

\*Lander University has high expectations for all teacher education majors. Teacher education majors who exhibit unacceptable dispositions may be removed from the program. Procedures for removal are outlined within the Department of Teacher Education handbook.

\*\*Praxis II and PLT must be passed to apply for certification with the South Carolina Department of Education.

Failure to maintain the above requirements, including GPA, throughout the student’s enrollment will result in probation or suspension from the program. PETE majors will be allowed to repeat courses if the following conditions are met:

1. Courses classified as Program Requirements may be repeated only once. A student who fails to complete a PEES course successfully (“C” or better\*) within two attempts **may not continue as a Physical Education major.**
2. A student **may not repeat more than a total of two 300- and 400-level PEES courses.**

## 2022-2023 PROGRAM REQUIREMENTS

**DEGREE: BACHELOR OF SCIENCE**

**MAJOR: EXERCISE SCIENCE**

Credit Hours

### UNIVERSITY REQUIREMENT

FALS 101: Fine Arts and Lecture Series (Temporarily suspended) 0

### GENERAL EDUCATION REQUIREMENTS

(For approved courses, see General Education: [www.lander.edu/gen-ed](http://www.lander.edu/gen-ed).)

**A. Core Academic Skills (9 hours)**

ENGL 101: Writing and Inquiry I 3

ENGL 102: Writing and Inquiry II 3

<sup>1</sup>Mathematics 3

**B. Humanities and Fine Arts**

(6 hours selected from 2 different disciplines) 6

**C. <sup>1</sup>Behavioral and Social Perspectives**

(6 hours selected from 2 different disciplines) 6

**D. Scientific and Mathematical Reasoning**

(7 hours selected from 2 different disciplines, 1 lab science required)

MATH 211: Statistical Methods I 3

<sup>1</sup>Laboratory Science 4

**E. Founding Documents of the United States (3 hours)**

HIST 111: United States History to 1877 or 3

POLS 101: American National Government

**F. World Cultures**

3

**G. LINK 101: Leadership, Involvement, Networking and Knowledge (1 hour)**

1

LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.

**TOTAL GENERAL EDUCATION REQUIREMENTS 35**

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

### MAJOR PROGRAM CORE REQUIREMENTS

PEES 175: Wellness for Life 2

PEES 210: Anatomy and Physiology of Human Movement or 4

<sup>1</sup>BIOL 202: Human Anatomy

PEES 219: Historical and Philosophical Principles of Physical Education 3

and Exercise Science

PEES 310: Kinesiology and Exercise Biomechanics 4

PEES 311: Physiology of Exercise 4

PEES 341: Research Techniques 3

PEES 362: Exercise Testing and Prescription for Healthy Populations 3

PEES 406: Clinical Exercise Physiology 3

PEES 490: Internship I 3

PEES 491: Internship II 3

## MAJOR PROGRAM ADDITIONAL REQUIREMENTS

PEES 144: Beginning Weight Training	1
PEES 100-Level Sport/Fitness	1
PEES 100-Level Sport/Fitness	1
PEES 202: Personal Health and Health Promotion	3
PEES 283: Introduction to Exercise Science	1
PEES 300: Theories of Coaching, or PEES 424: Sports Psychology	3
PEES 308: Organization and Administration of Exercise-Related Professions	3
PEES 326: Nutrition for Health and Performance	3
PEES 330: Physiological Adaptations to Aging	3
PEES 402: Principles of Strength and Conditioning	3
PEES 499: Professional Concerns Seminar	1
CIS 101: Computer Fundamentals	3
SPCH 101: Speech Fundamentals	3
<b>TOTAL MAJOR PROGRAM REQUIREMENTS</b>	<b>61</b>

## ADDITIONAL ELECTIVES 24

Students following the Pre-AT/OT/PT concentration should speak with an advisor in the PEES department regarding the specific electives required to meet the Pre-AT/OT/PT prerequisites.

**TOTAL FOR BS DEGREE 120**

All Exercise Science majors must earn a “C” or better in all Major Program Core Requirements, all Major Program Additional Requirements and PEES 175.

<sup>1</sup>Students following the Pre-Athletic Training (AT), Occupational Therapy (OT) or Physical Therapy (PT) concentration should take PSYC 101, MATH 121, BIOL 111, and BIOL 202. Students not following the Pre-AT/OT/PT concentration may take any general education course that satisfies each of the general education requirements for the University and may take either PEES 210 or BIOL 202 for the core requirement.

PEES 210 or BIOL 202 is a prerequisite for admission into Level II of the Exercise Science program, along with a minimum cumulative Lander GPA of 2.75.

Students majoring in Exercise Science who are also interested in Pre-AT/OT/PT should see 4-year major guides for recommended courses and the order in which to take them.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses  
<https://www.lander.edu/academics/registrar-office/major-guides.html>

## 2022-2023 PROGRAM REQUIREMENTS

**DEGREE: BACHELOR OF SCIENCE**  
**MAJOR: PHYSICAL EDUCATION**  
**CERTIFICATION: K-12 TEACHER CERTIFICATION**

Credit Hours

### UNIVERSITY REQUIREMENT

FALS 101: Fine Arts and Lecture Series (Temporarily suspended) 0

### GENERAL EDUCATION REQUIREMENTS

(For approved courses, see General Education: [www.lander.edu/gen-ed](http://www.lander.edu/gen-ed).)

- A. Core Skills (9 hours)**
  - ENGL 101: Writing and Inquiry I 3
  - ENGL 102: Writing and Inquiry II 3
  - Mathematics (MATH 101 or MATH 121) 3
- B. Humanities and Fine Arts 6**  
(6 hours selected from 2 different disciplines)
- C. Behavioral and Social Perspectives**  
(6 hours selected from 2 different disciplines)
  - PSYC 101 3
  - Behavioral and Social Perspectives General Education Course 3
- D. Scientific and Mathematical Reasoning**  
(7 hours selected from 2 different disciplines, 1 lab science required)
  - MATH 211: Statistical Methods I 3
  - Lab Science (PSCI 111 recommended) 4
- E. Founding Documents of the United States (3 hours) 3**  
 HIST 111: United States History to 1877, or  
 POLS 101: American National Government
- F. World Cultures 3**
- G. LINK 101: Leadership, Involvement, Networking and Knowledge (1 hour) 1**  
 LINK 101 is required of all new transfer students who have earned less than 24 credit hours of college-level work and all first-time freshmen.

**TOTAL GENERAL EDUCATION REQUIREMENTS 35**

If all of the General Education requirements are met and/or waived, and the credit hours do not add up to at least 30, the General Education requirements are not complete. If below 30, additional General Education courses from any category must be taken until the total hours add up to at least 30 hours.

### MAJOR PROGRAM CORE REQUIREMENTS

- PEES 175: Wellness for Life 2
- PEES 210: Anatomy and Physiology of Human Movement 4
- PEES 219: Historical and Philosophical Principles of Physical Education and Exercise Science 3
- PEES 226: Motor Development 3
- PEES 228: Motor Learning 3
- \*PEES 305: Measurement and Evaluation 3
- PEES 310: Kinesiology and Exercise Biomechanics 4
- PEES 311: Physiology of Exercise 4
- \*PEES 318: Instructional Aspects of Physical Education 3
- \*PEES 320: Teaching Methods for Elementary Physical Education 3

*PEES 329: Field Experience II	1
*PEES 402: Principles of Strength and Conditioning	3
*PEES 420: Physical Education for Special Populations	3
*PEES 422: Secondary Methods of Instruction	3
*PEES 429: Field Experiences III	1
*PEES 451: Programmatic Concerns in Teaching Physical Education	3
PEES 499: Professional Concerns Seminar	1

### **MAJOR PROGRAM ADDITIONAL REQUIREMENTS**

PEES 144: Beginning Weight Training	1
PEES 100-Level Sport/Fitness	1
PEES 100-Level Sport/Fitness	1
PEES 204: Teaching Team Sports	2
PEES 206: Teaching Individual and Dual Sports	2
PEES 222: Educational Games	2
PEES 223: Educational Gymnastics	2
PEES 224: Educational Dance	2
PEES 300: Theories of Coaching, or PEES 424: Sports Psychology	3
PEES 326: Nutrition for Health and Performance	3
EDUC 204: Instructional Technology for Teachers or CIS 101: Computer Fundamentals	3

**TOTAL MAJOR PROGRAM REQUIREMENTS** 69

### **TEACHER CERTIFICATION REQUIREMENTS**

EDUC 203: Field Experience I	0.5
EDUC 240: Child Growth and the Educational Process	3
*EDUC 300: Content Area Reading and Writing or * EDUC 320: Reading and Writing in the Content Area	3
*EDUC 499: Teacher Education Seminar	1
*PEES 461: Clinical Practice	11

**TOTAL TEACHER CERTIFICATION REQUIREMENTS** 18.5

**TOTAL FOR BS DEGREE** 122.5

\*Student must be admitted to Professional Program in Teacher Education.

Additional requirements: CPR/FA card during 4-year period as a student

Physical Education majors must earn a “B” or better in PEES 329, PEES 429, and PEES 461. A “C” or better must be earned in all other Major Program Core Requirements, Major Program Additional Requirements, and PEES 175.

Coursework must include at least 30 credit hours earned at 300-level or above, of which 12 credit hours must be in the major.

See 4-year major guides for recommended order in which to take courses  
<https://www.lander.edu/academics/registrar-office/major-guides.html>