KINESIOLOGY, B.S. (BERKS)

Begin Campus: Any Penn State Campus
End Campus: Berks

Program Description
Not all options are available at every campus. Contact the campus you are interested in attending to determine which options are offered.

Kinesiology offers a comprehensive program of study in the science of human movement and is designed for students who want to prepare for professions involving physical activity and for graduate study in related areas. The Kinesiology major options are: Applied Exercise and Health; Movement Science; and Exercise Science. All options require a culminating practicum or research experience. Relocation away from the University Park campus is generally necessary for the practicum. All options require a minimum of 120 credits for graduation. Additional requirements are mandated by the Pennsylvania Department of Education (PDE) for entrance to the Health and Physical Education (HPE) certification emphasis in the Applied Exercise and Health Option (AEH). Information about the major and its options can be found at: https://hhd.psu.edu/kines.

Students who have completed a minimum of 28 credits and have a 2.00 cumulative grade-point average are eligible for entrance into the major after completing an Entrance to Major form.

Applied Exercise and Health Option
Available at the following campuses: University Park

This option provides applied interdisciplinary training in the foundations of the scientific understanding of exercise and health through the lifespan. Students identify one of two areas of emphasis that are certification-based and practice-oriented: (a) courses and practical experiences directed toward certification by organizations such as the American College of Sports Medicine (ACSM) or the National Strength and Conditioning Association (NSCA), or (b) a series of courses and student teaching leading to teacher certification. In order to qualify for the teacher certification track, students must meet the requirements mandated by the Pennsylvania Department of Education (PDE). PDE requirements can be found at https://hhd.psu.edu/kines/applied-exercise-and-health-option. The completion of the Applied Exercise and Health Option will prepare students to work in the private or corporate fitness arenas, community-based fitness organizations, and university or hospital settings, or be Pennsylvania certified in health and physical education (K-12) and secure teaching positions in public or private schools.

Movement Science Option
Available at the following campuses: Altoona, University Park

This option provides interdisciplinary scientific training in academic areas such as biomechanics, exercise physiology, movement neuroscience, psychology of physical activity, and sport history and philosophy to understand movement for prevention and diagnosis of chronic disease, rehabilitation and treatment, and/or theoretical study. Students are prepared for graduate study in many clinical fields including medicine, physical therapy, occupational therapy, physician assistant, cardiac rehabilitation, as well as a broad range of careers in biomedical and health-related fields.

Exercise Science Option
Available at the following campuses: Altoona, Berks, Harrisburg

(Offered only at Penn State Altoona, Penn State Berks, and Penn State Harrisburg) This option is a program of study in the science of exercise. This program offers Kinesiology background and applied experience in fitness assessment, exercise physiology, exercise psychology, motor skill development, nutrition and healthy living skills. Graduates will be able to scientifically assess fitness levels of individuals. Analyzing those assessments, graduates will then be capable of designing and implementing appropriate exercise programs. Students acquire basic business skills in accounting, marketing, management and entrepreneurial skills. Students choosing the Science Emphasis will select courses from a department list that will enhance their opportunity for graduate studies in Kinesiology-related fields, physical therapy and medical schools. The completion of the Exercise Science Option will enable graduates to compete for employment in the corporate fitness arena, private fitness clubs, community-based fitness organizations, hospital and university settings or possibly to operate their own health and fitness company.

What is Kinesiology?
Kinesiology refers to the study of human movement. This interdisciplinary field of study focuses on physical activity and includes specialized areas of study that include the arts, humanities, sciences and professional disciplines. These areas include biomechanics, psychology of physical activity, exercise physiology, history and philosophy of physical activity, motor development, as well as sports medicine and physical education pedagogy. This multi-disciplinary approach is useful for addressing health and wellness in a complex society.

MORE INFORMATION ABOUT KINESIOLOGY (http://www.nationalacademyofkinesiology.org/what-is-kinesiology)

You Might Like This Program If...
You enjoy working with people, have a passion for health and wellness, and are open to approaching problems with interdisciplinary strategies. As you learn about the human body as a whole, you will also have the opportunity to understand how you can apply your knowledge and skills to develop solutions that can help others in a number of ways, whether in a rehabilitation facility, with a professional sports team, in a corporate office or in a school setting.

Entrance to Major
Students who have completed a minimum of 29.1 credits and have a 2.00 cumulative grade-point average are eligible for entrance into the major after completing and Entrance to Major form.

Degree Requirements
For the Bachelor of Science degree in Kinesiology a minimum of 120 credits is required:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Education</td>
<td>45</td>
</tr>
<tr>
<td>Electives</td>
<td>0-5</td>
</tr>
<tr>
<td>Requirements for the Major</td>
<td>89-108</td>
</tr>
</tbody>
</table>

15-27 of the 45 credits for General Education are included in the Requirements for the Major. This includes: Applied Exercise and Health Option - 9 credits GN, 6 credits GQ, 3 credits of GH, 6 credits of GS and
Cultures Requirement

their academic adviser for these requirements.

First-year baccalaureate students entering Penn State should consult

provide students with a first-year engagement experience.

Seminar; colleges and campuses that do not require a First-Year Seminar

credits of the First-Year Seminar, as specified by their college First-Year

at University Park, and the World Campus are required to take 1 to 3

All students enrolled in a college or the Division of Undergraduate Studies

requirement)

Integrative Studies (may also complete a Knowledge Domain

• Inter-Domain or Approved Linked Courses: 6 credits

Knowledge Domains

• Arts (GA): 6 credits
• Health and Wellness (GHW): 3 credits
• Humanities (GH): 6 credits
• Social and Behavioral Sciences (GS): 6 credits
• Natural Sciences (GN): 9 credits

Foundations (grade of C or better is required.)

• Quantification (GQ): 6 credits
• Writing and Speaking (GWS): 9 credits

Per Senate Policy 83.80.5, the college dean or campus chancellor and

program faculty may require up to 24 credits of course work in the major
to be taken at the location or in the college or program where the degree
is earned. KINES requires students to complete 24 credits for the major
through courses taken at University Park. Courses taken at other Penn
State campuses may not be counted toward this 24 credit minimum. For

more information, check the Recommended Academic Plan for this major.

General Education

Connecting career and curiosity, the General Education curriculum

provides the opportunity for students to acquire transferable skills

necessary to be successful in the future and to thrive while living in

interconnected contexts. General Education aids students in developing

intellectual curiosity, a strengthened ability to think, and a deeper sense

of aesthetic appreciation. These are requirements for all baccalaureate

students and are often partially incorporated into the requirements

of a program. For additional information, see the General Education

Requirements (http://bulletins.psu.edu/undergraduate/general-
education/baccalaureate-degree-general-education-program) section of

the Bulletin and consult your academic adviser.

The keystone symbol appears next to the title of any course that is
designated as a General Education course. Program requirements may
also satisfy General Education requirements and vary for each program.

Foundations (grade of C or better is required.)

• Quantification (GQ): 6 credits
• Writing and Speaking (GWS): 9 credits

Knowledge Domains

• Arts (GA): 6 credits
• Health and Wellness (GHW): 3 credits
• Humanities (GH): 6 credits
• Social and Behavioral Sciences (GS): 6 credits
• Natural Sciences (GN): 9 credits

Integrative Studies (may also complete a Knowledge Domain

requirement)

• Inter-Domain or Approved Linked Courses: 6 credits

University Degree Requirements

First Year Engagement

All students enrolled in a college or the Division of Undergraduate Studies
at University Park, and the World Campus are required to take 1 to 3
credits of the First-Year Seminar, as specified by their college First-Year
Engagement Plan.

Other Penn State colleges and campuses may require the First-Year
Seminar; colleges and campuses that do not require a First-Year Seminar
provide students with a first-year engagement experience.

First-year baccalaureate students entering Penn State should consult
their academic adviser for these requirements.

Cultures Requirement

6 credits are required and may satisfy other requirements

• United States Cultures: 3 credits
• International Cultures: 3 credits

Writing Across the Curriculum

3 credits required from the college of graduation and likely prescribed as
part of major requirements.

Total Minimum Credits

A minimum of 120 degree credits must be earned for a baccalaureate
degree. The requirements for some programs may exceed 120 credits.
Students should consult with their college or department adviser for
information on specific credit requirements.

Quality of Work

Candidates must complete the degree requirements for their major and
earn at least a 2.00 grade-point average for all courses completed within
their degree program.

Limitations on Source and Time for Credit Acquisition

The college dean or campus chancellor and program faculty may require
up to 24 credits of course work in the major to be taken at the location or
in the college or program where the degree is earned. Credit used toward
degree programs may need to be earned from a particular source or
within time constraints (see Senate Policy 83-80 (http://senate.psu.edu/
policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-
requirements/#83-80)). For more information, check the Suggested
Academic Plan for your intended program.

Requirements for the Major

To graduate, a student enrolled in the major must earn a grade of C or
better in each course designated by the major as a C-required course, as
specified by Senate Policy 82-44 (http://senate.psu.edu/policies-and-
rules-for-undergraduate-students/82-00-and-83-00-degree-
requirements/#82-44).

Common Requirements for the Major (All Options)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINES 100</td>
<td>The Cultural and Behavioral Foundations of Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>KINES 101</td>
<td>The Biophysical Foundations of Kinesiology</td>
<td>3</td>
</tr>
<tr>
<td>KINES 202</td>
<td>Functional Human Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>KINES 295B</td>
<td>Careers/Observations in Kinesiology</td>
<td>1</td>
</tr>
<tr>
<td>KINES 321</td>
<td>Psychology of Movement Behavior</td>
<td>3</td>
</tr>
<tr>
<td>KINES 341</td>
<td>The Historical, Cultural, and Social Dynamics of Sport</td>
<td>3</td>
</tr>
<tr>
<td>KINES 345</td>
<td>Meaning, Ethics, and Movement</td>
<td>3</td>
</tr>
<tr>
<td>KINES 350</td>
<td>Exercise Physiology</td>
<td>3</td>
</tr>
<tr>
<td>KINES 360</td>
<td>The Neurobiology of Motor Control and Development</td>
<td>3</td>
</tr>
<tr>
<td>KINES 384</td>
<td>Biomechanics</td>
<td>3</td>
</tr>
<tr>
<td>NUTR 251</td>
<td>Introductory Principles of Nutrition</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional Courses

Additional Courses: Require a grade of C or better

Select 3-6 credits from:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 141</td>
<td>Introductory Physiology</td>
</tr>
<tr>
<td>BIOL 161</td>
<td>Human Anatomy and Physiology I - Lecture</td>
</tr>
<tr>
<td>BIOL 163</td>
<td>Human Anatomy and Physiology II - Lecture</td>
</tr>
</tbody>
</table>
Available at the following campuses: University Park

**Applied Exercise and Health Option (60-67 credits)**

**Requirements for the Option**

**ACSM/NSCA Certification Emphasis:**

**HPE Certification Emphasis:**

Take the following required courses with selected emphasis area:

**Supporting Courses and Related Areas:**

Select 3-4 credits from:

**ACSM/NSCA Certification Emphasis:**

**KINES 395B** Leadership Practicum: KINES
**KINES 421** Exercise Psychology
**KINES 425W** Physical Activity in Diverse Populations
or **KINES 481** Scientific Basis of Exercise for Older Adults
or **KINES 495** Programming for Business and Agencies
or **KINES 495** Principles and Ethics of Coaching
**KINES 457** Exercise Prescription and Case Studies
**KINES 485** Science of Training Athletes
**KINES 495B** Field and/or Research Practicum in Kinesiology
**KINES 495E** Advanced Professional Development in Kinesiology

Select 3 credits from approved 400-level KINES courses:

**KINES 410** Physical Growth and Motor Development
**KINES 411** Introduction to Musculoskeletal Injury and Rehabilitation
**KINES 422** Physical Activity Interventions
**KINES 424** Women and Sport
**KINES 425W** Physical Activity in Diverse Populations
**KINES 455** Physiological Basis of Exercise as Medicine
**KINES 460** Movement Disorders
**KINES 465** Neurobiology of Sensorimotor Stroke Rehabilitation
**KINES 467** The Science of Performance Enhancement
**KINES 481W** Scientific Basis of Exercise for Older Adults
**KINES 483** Motor Patterns of Children
**KINES 493** Principles and Ethics of Coaching

**Movement Science Option (56-58 credits)**

Available at the following campuses: Altoona, University Park

**Prescribed Courses:**

**KINES 366** The Process of Teaching Physical Education
**KINES 395A** Ldrshp Prac:Tchr
**KINES 400** Adapted Physical Education
**KINES 464** Physical Education Programming and Practicum
**KINES 468W** Health Instruction in the School-Content and Method
**KINES 495A** Practicum in Student Teaching
**SPLED 400** Inclusive Special Ed Foundations: Legal, Characteristics, Collaboration, Assessment, and Management

**KINES 395B** Leadership Practicum: KINES
**KINES 421** Exercise Psychology
**KINES 425W** Physical Activity in Diverse Populations
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**KINES 485** Science of Training Athletes
**KINES 495B** Field and/or Research Practicum in Kinesiology
**KINES 495E** Advanced Professional Development in Kinesiology

Select an additional 12 credits from approved 400-level KINES courses:

**KINES 410** Physical Growth and Motor Development
**KINES 411** Introduction to Musculoskeletal Injury and Rehabilitation
**KINES 419** Disability Sport and Recreation
**KINES 420** Psychosocial Dimensions of Physical Activity
**KINES 421** Exercise Psychology
**KINES 422** Physical Activity Interventions

**Additional Courses:**

**Supporting Courses and Related Areas:**

Select 3-4 credits from:

**CHEM 101** Introductory Chemistry
**CHEM 106** Introductory and General Chemistry
**CHEM 110** Chemical Principles I
**CHEM 130** Introduction to General, Organic, and Biochemistry

Select 3-4 credits from:

**PHYS 150** Technical Physics I
**PHYS 250** Introductory Physics I

**KINES 395B** Leadership Practicum: KINES
**KINES 495B** Field and/or Research Practicum in Kinesiology

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**KINES 421** Exercise Psychology
**KINES 422** Physical Activity Interventions
KINES 423  Psychology of Sports Injuries
KINES 424  Women and Sport
KINES 425W  Physical Activity in Diverse Populations
KINES 426  Physical Activity and Public Health
KINES 427  Developmental Sport & Exercise Psychology
KINES 428  Motivation and Emotion in Movement
KINES 429  Psychology of Sport Performance
KINES 439W  Ethics in Sport and Sport Management
KINES 440  Philosophy and Sport
KINES 441  History of Sport in American Society
KINES 442  Sport in Ancient Greece and Rome
KINES 443  The Modern Olympic Games
KINES 446  History of Sport in the Modern World
KINES 447W  Representing Sport in Popular Film
KINES 452  Applied Cardiovascular Physiology
KINES 453  Environmental Physiology
KINES 454  Women's Health and Exercise Across the Lifespan
KINES 455  Physiological Basis of Exercise as Medicine
KINES 456  Physical Fitness Appraisal
KINES 458  Introduction to Electrocardiogram Interpretation
KINES 457  Exercise Prescription and Case Studies
KINES 460  Movement Disorders
KINES 463  Acquisition of Motor Skills
KINES 465  Neurobiology of Sensorimotor Stroke Rehabilitation
KINES 467  The Science of Performance Enhancement
KINES 481W  Scientific Basis of Exercise for Older Adults
KINES 483  Motor Patterns of Children
KINES 484  Advanced Biomechanics
KINES 485  Science of Training Athletes
KINES 488  Mechanics of Locomotion
KINES 492W  Programming for Business and Agencies
KINES 493W  Principles and Ethics of Coaching
KINES 493  Principles and Ethics of Coaching
KINES 495E  Advanced Professional Development in Kinesiology
KINES 499  Foreign Studies

Additional Courses: Require a grade of C or better
CHEM 106  Introductory and General Chemistry 3-5
or CHEM 110  Chemical Principles I
MATH 22 or Satisfactory performance on the MATH placement examination -- i.e., placement beyond the level of MATH 22
Select one of the following:
- CHEM 101  Introductory Chemistry
- CHEM 106  Introductory and General Chemistry
- CHEM 110  Chemical Principles I & CHEM 111  and Experimental Chemistry I
- CHEM 130  Introduction to General, Organic, and Biochemistry

Supporting Courses and Related Areas
Select 16 credits from one of the following emphasis area from an approved list, in consultation with adviser. At least 3 credits must be at the 400 level.
- Business Emphasis
- Science Emphasis

Program Learning Objectives
1. Students will demonstrate personal, professional, and ethical competency within the discipline of kinesiology.
2. Students will be able to define fundamental processes, theories, and methods in kinesiology including the physiology, psychology, biomechanics, motor control, history, and philosophy of human movement.
3. Students will be able define and demonstrate competency for planning and implementing kinesiology-related health, fitness, performance, and behavior change interventions and programs.
4. Students will be able to perform assessments of physical activity and fitness.
5. Students will demonstrate skills related to thinking critically, evaluating research knowledge and evidence, and analyzing quantitative data.

Academic Advising
The objectives of the university's academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee’s unit of enrollment will provide each advisee with a primary
academic adviser, the information needed to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy)

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Suggested Academic Plan
The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2019-20 academic year. To access previous years’ suggested academic plans, please visit the archive (http://bulletins.psu.edu/undergraduate/archive) to view the appropriate Undergraduate Bulletin edition (Note: the archive only contain suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin).

Exercise Science Option - Business Emphasis at Berks Campus
The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

### First Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 15 or 30‡</td>
<td>3</td>
<td>CAS 100A or 100B‡</td>
<td>3</td>
</tr>
<tr>
<td>MATH 22‡</td>
<td>3</td>
<td>STAT 200, 250, or SCM 200‡</td>
<td>3-4</td>
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<tr>
<td>NUTR 251†‡</td>
<td>3</td>
<td>KINES 100 or 101*</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 161†‡</td>
<td>3</td>
<td>BIOL 163†‡</td>
<td>3</td>
</tr>
<tr>
<td>General Education Course</td>
<td>3</td>
<td>General Education Course</td>
<td>3</td>
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<tr>
<td>First-Year Seminar</td>
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<tr>
<td><strong>Total Credits</strong></td>
<td><strong>16</strong></td>
<td><strong>15-16</strong></td>
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### Second Year

<table>
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<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>KINES 100 or 101*</td>
<td>3</td>
<td>ENGL 202C or 202D‡</td>
<td>3</td>
</tr>
<tr>
<td>KINES 202*</td>
<td>3</td>
<td>KINES 200*</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 101 or 110 and 111 (CHEM 101 must be taken for 3 credits and is recommended.)†‡</td>
<td>3-4</td>
<td>KINES 201*</td>
<td>3</td>
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<tr>
<td>General Education Course</td>
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<td>KINES 260*</td>
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<tr>
<td>General Education Course</td>
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<td>KINES 295B†</td>
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<tr>
<td>KINES 350*</td>
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<td><strong>16</strong></td>
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### Third Year

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<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINES 345*</td>
<td>3</td>
<td>KINES 321*</td>
<td>3</td>
</tr>
<tr>
<td>KINES 356*</td>
<td>3</td>
<td>KINES 341*</td>
<td>3</td>
</tr>
<tr>
<td>KINES 360*</td>
<td>3</td>
<td>KINES 384*</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
<td>3</td>
<td>MGMT 301</td>
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<tr>
<td>PHYS 150 or 250 (PHYS 150 Recommended)†‡</td>
<td>3-4</td>
<td>MKTG 301</td>
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<tr>
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### Fourth Year

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<th>Credits</th>
<th>Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINES 1 - 99</td>
<td>1.5</td>
<td>KINES 1 - 99</td>
<td>1.5</td>
</tr>
<tr>
<td>KINES 358*</td>
<td>1</td>
<td>KINES 495C*</td>
<td>4</td>
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<tr>
<td>KINES 420 (or 400 Level Equivalent)*</td>
<td>3</td>
<td>KINES 457*</td>
<td>3</td>
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<tr>
<td>KINES 456*</td>
<td>4</td>
<td>KINES 492W*</td>
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<tr>
<td>ACCTG 211</td>
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<td>General Education Course</td>
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<td>General Education Course</td>
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<tr>
<td><strong>Total Credits</strong></td>
<td><strong>16.5</strong></td>
<td><strong>14.5</strong></td>
<td></td>
</tr>
</tbody>
</table>

* Course requires a grade of C or better for the major
‡ Course requires a grade of C or better for General Education
# Course is an Entrance to Major requirement
† Course satisfies General Education and degree requirement

University Requirements and General Education Notes:
US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).
W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of ‘C’ or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

1 The following courses are offered Spring Semester only: KINES 492.
2 For students interested in pursuing the Business Minor, the following courses require a grade of C or better: ACCTG 211, ECON 102, MGMT 301, MKTG 301.
3 For 400 Level Equivalent, consult adviser for list.

Exercise Science Option - Science Emphasis at Berks Campus

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Fall</th>
<th>Credits Spring</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENGL 15 or 30†</td>
<td>3 CAS 100A or 100B‡</td>
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</tr>
<tr>
<td>MATH 22‡</td>
<td>3 STAT 200, 250, or SCM 200‡</td>
<td>3-4</td>
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</tr>
<tr>
<td>NUTR 251†</td>
<td>3 KINES 100 or 101*</td>
<td>3</td>
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</tr>
<tr>
<td>BIOL 161†</td>
<td>3 BIOL 163†</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Education Course</td>
<td>3 General Education Course</td>
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<tr>
<td>First-Year Seminar</td>
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16 15-16

<table>
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<tr>
<th>Second Year</th>
<th>Fall</th>
<th>Credits Spring</th>
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<tbody>
<tr>
<td>KINES 100 or 101*</td>
<td>3 ENGL 202C or 202D‡</td>
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<tr>
<td>KINES 202*</td>
<td>3 KINES 200*</td>
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<td>CHEM 101 or 110 and 111 (CHEM 110 &amp; 111 are recommended),†</td>
<td>3-4 KINES 201*</td>
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<tr>
<td>General Education Course</td>
<td>3 KINES 260*</td>
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</tr>
<tr>
<td>General Education Course</td>
<td>3 KINES 295B*</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>KINES 350*</td>
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</tr>
</tbody>
</table>

15-16 16

<table>
<thead>
<tr>
<th>Third Year</th>
<th>Fall</th>
<th>Credits Spring</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>KINES 345*</td>
<td>3 KINES 321*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>KINES 356*</td>
<td>3 KINES 341*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>KINES 360*</td>
<td>3 KINES 384*</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHYS 150 or 250†</td>
<td>3-4 General Education Course</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

1 The following courses fulfill the Writing Across The Curriculum requirement: KINES 461 & 462.
2 The following courses are offered Fall Semester only: KINES 461.
3 The following courses are offered Spring Semester only: KINES 462.
4 For Emphasis Selection, consult adviser for list.
5 For 400 Level Equivalent, consult adviser for list.

University Requirements and General Education Notes:

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1 The following courses are offered Spring Semester only: KINES 492.
2 For students interested in pursuing the Business Minor, the following courses require a grade of C or better: ACCTG 211, ECON 102, MGMT 301, MKTG 301.
3 For 400 Level Equivalent, consult adviser for list.

Career Paths

Careers

Kinesiology students have many career options after graduation. Discussion with an adviser, Kinesiology faculty, or professionals in the field can provide additional insight. Many students use their Penn State Kinesiology degree in allied health and wellness fields, working with a wide range of populations in many different settings. Our applied options give students hands-on experience to work with children and adults to promote health and wellness. Kinesiology students are valuable employees, with their strong scientific background that they can apply to solving problems related to human movement.
MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES OF THE KINESIOLOGY PROGRAM (http://www.americankinesiology.org/SubPages/Pages/Careers%20In%20Kinesiology)

Opportunities for Graduate Studies
Many students in Kinesiology are looking to attend graduate or professional school after they complete their undergraduate program. Kinesiology students are often interested in careers in physical therapy, occupational therapy, physician's assistant, medical school, dentistry, nursing, or chiropractic school. The Kinesiology undergraduate program includes many of the prerequisite courses needed for many of these post-bachelor programs, providing students with a strong scientific foundation for further study.

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES (http://science.psu.edu/premed/advising)

Professional Resources
- National Academy of Kinesiology (http://www.nationalacademyofkinesiology.org)
- American College of Sports Medicine (http://www.acsm.org)
- National Strength and Conditioning Association (https://www.nsca.com)
- SHAPE: Society of Health and Physical Educators (https://www.shapeamerica.org)
- American Kinesiology Association (http://www.americankinesiology.org)
- PA Department of Education (http://www.education.pa.gov/Teachers-%20Administrators/Curriculum/Pages/Health--Physical-Education.aspx)

Contact
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SCIENCE DIVISION
Beaver Building
Reading, PA 19610
610-396-6153
bwi100@psu.edu

http://berks.psu.edu/bs-kinesiology

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DIVISION OF EDUCATION, HUMAN DEVELOPMENT, AND SOCIAL SCIENCES
Hawthorn Building 123
3000 Ivyside Park
Altoona, PA 16601
814-949-5687
tje10@psu.edu

http://altoona.psu.edu/academics/bachelors-degrees/kinesiology/request-information

Harrisburg
SCHOOL OF BEHAVIORAL SCIENCES AND EDUCATION
Educational Activities Building, 0216
Middletown, PA 17057
717-948-6742
rlp26@psu.edu

http://harrisburg.psu.edu/behavioral-sciences-and-education/kinesiology/bachelor-science-kinesiology

University Park
DEPARTMENT OF KINESIOLOGY
276 Recreation Building
University Park, Pa 16802
814-863-0442
kinesundergrad@psu.edu

http://hhd.psu.edu/kines/kinesiology-major