

KINESIOLOGY, B.S. (HEALTH AND HUMAN DEVELOPMENT)

Begin Campus: Any Penn State Campus

End Campus: University Park

Program Description

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. Information about the major and its options can be found at: <https://hhd.psu.edu/kines> (<https://hhd.psu.edu/kines/>).

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 select 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) health and physical education; a series of courses and student teaching leading to teacher certification. 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

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 in the Business Emphasis acquire basic business skills in accounting, marketing,

management and entrepreneurial skills. Students choosing the Science Emphasis will select courses from a department list, including courses in basic science, social science, exercise and health sciences, and other related coursework, that will enhance their opportunity for graduate studies in fields related to Kinesiology and allied health, such as physical therapy, athletic training, and medicine. The completion of the Exercise Science Option will enable graduates to compete for employment in private, corporate, or community-based fitness organizations, in hospital or university settings, and be prepared to apply for graduate programs in allied health fields.

What is Kinesiology?

Kinesiology refers to the study of human movement. This interdisciplinary field of study focuses on physical activity, movement and sport 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 (<https://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

In order to be eligible for entrance to this major, a student must:

1. attain at least a C (2.00) cumulative grade-point average for all courses taken at the University; and
2. have at least third-semester classification (<https://www.registrar.psu.edu/enrollment/semester-classification.cfm>).

READ SENATE POLICY 37-30: ENTRANCE TO AND CHANGES IN MAJOR PROGRAMS OF STUDY (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/37-00-entrance-to-a-college-or-major/>)

Degree Requirements

For the Bachelor of Science degree in Kinesiology a minimum of 120 credits is required for the Applied Exercise Health option, a minimum of 120 credits is required for the Movement Science option, and a minimum of 122 credits is required for the Exercise Science option:

Requirement	Credits
General Education	45
Electives	0-16
Requirements for the Major	80-108

18-27 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 3 credits of GHW; Movement Science Option - 9 credits of GN courses, 6 credits of GQ courses, 3 credits of GS courses, 3 credits of GHW courses; Exercise Science Option - 9 credits of GN courses, 6 credits of GQ courses, 3 credits of GHW courses.

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 Suggested Academic Plan for this major.

Requirements for the Major

A grade of C or better is required for all courses in the major. To graduate, a student enrolled in the major must earn at least a C grade in each course designated by the major as a C-required course, as specified by Senate Policy 82-44 (<https://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)

Code	Title	Credits
Prescribed Courses		
<i>Prescribed Courses: Require a grade of C or better</i>		
BIOL 161	Human Anatomy and Physiology I - Lecture	3
BIOL 163	Human Anatomy and Physiology II - Lecture	3
KINES 100	The Cultural and Behavioral Foundations of Kinesiology	3
KINES 101	The Biophysical Foundations of Kinesiology	3
KINES 202	Functional Human Anatomy	3
KINES 295B	Kines Careers & Observation	1
KINES 321	Psychology of Movement Behavior	3
KINES 341	The Historical, Cultural, and Social Dynamics of Sport	3
KINES 345	Meaning, Ethics, and Movement	3
KINES 350	Exercise Physiology	3
KINES 360	The Neurobiology of Motor Control and Development	3
KINES 384	Biomechanics	3
NUTR 251	Introductory Principles of Nutrition	3
Additional Courses		
<i>Additional Courses: Require a grade of C or better</i>		
Select 3-4 credits from the following:		3-4
SCM 200	Introduction to Statistics for Business	
STAT 200	Elementary Statistics	
STAT 250	Introduction to Biostatistics	

Requirements for the Option

Requirements for the Option: Require a grade of C or better
Select an option 40-67

Requirements for the Option

Applied Exercise and Health Option (60-67 credits)
Available at the following campuses: University Park

Code	Title	Credits
Prescribed Courses		
<i>Prescribed Courses: Require a grade of C or better</i>		

CI 280	Introduction to Teaching English Language Learners	3
EDPSY 10	Individual Differences and Education	3
KINES 200	Muscle Training: Physiology, Programs, Techniques	3
KINES 201	Cardiorespiratory Training for Health and Performance	3
KINES 267	Fundamental Movement Skills Instruction	1
KINES 367	Games and Sports Instruction Across the Lifespan	1
KINES 368	Individual Fitness and Wellness	2
KINES 401	Applied Group Fitness Exercise Prescription and Program Design	3
KINES 456	Physical Fitness Appraisal	4
PSYCH 100	Introductory Psychology	3

Additional Courses

<i>Additional Courses: Require a grade of C or better</i>		
MATH 26 or a higher level MATH course recommended by math placement test. Course list includes: MATH 26, MATH 40, MATH 41, MATH 110 or MATH 140		3
Select 3-5 credits from:		3-5
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:		3-4
PHYS 150	Technical Physics I	
PHYS 250	Introductory Physics I	

Supporting Courses and Related Areas

<i>Supporting Courses and Related Areas: Require a grade of C or better</i>		
Take the following required courses with selected emphasis area: 25-29		
HPE Certification Emphasis:		
KINES 366	The Process of Teaching Physical Education	
KINES 395A	Ldrshp Prac:Tchrs	
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	
SPLD 400	Inclusive Special Ed Foundations: Legal, Characteristics, Collaboration, Assessment, and Management	

ACSM/NSCA Certification Emphasis:

KINES 395B	Leadership Practicum: KINES	
KINES 421	Exercise Psychology	
KINES 425W	Physical Activity in Diverse Populations or KINES 48: Scientific Basis of Exercise for Older Adults or KINES 49: Programming for Business and Agencies or KINES 49: Principles and Ethics of Coaching	
KINES 457	Exercise Prescription and Case Studies	
KINES 485	Science and Practice 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 courses:

NUTR 407	Nutrition for Exercise and Sports
KINES 402	Human Anatomy Cadaver Dissection
KINES 405N	Bicycling Culture and Urban Design
KINES 410	Physical Growth and Motor Development
KINES 411	Introduction to Musculoskeletal Injury and Rehabilitation
KINES 419	Disability Sport and Recreation
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 430W	Groups in Physical Activity
KINES 431	Concussion in Athletics: Brain to Behavior
KINES 454	Women's Health and Exercise Across the Lifespan
KINES 455	Physiological Basis of Exercise as Medicine
KINES 458	Introduction to Electrocardiogram Interpretation
KINES 459	Community Engagement and Outreach in Kinesiology
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
KINES 493W	Principles and Ethics of Coaching
KINES 495D	Expanded Field and/or Research Practicum in Kinesiology
KINES 499	Foreign Studies

Movement Science Option (40-42 credits)

Available at the following campuses: Altoona, University Park

Code	Title	Credits
Prescribed Courses		
<i>Prescribed Courses: Require a grade of C or better</i>		
BIOL 110	Biology: Basic Concepts and Biodiversity	4
BIOL 162	Human Anatomy and Physiology I - Laboratory	1
BIOL 164	Human Anatomy and Physiology II - Laboratory	1
CHEM 111	Experimental Chemistry I	1
CHEM 112	Chemical Principles II	3
CHEM 113	Experimental Chemistry II	1
KINES 395B	Leadership Practicum: KINES	1
KINES 495B	Field and/or Research Practicum in Kinesiology	3
PHYS 250	Introductory Physics I	4
PSYCH 100	Introductory Psychology	3
Additional Courses		
<i>Additional Courses: Require a grade of C or better</i>		
CHEM 106	Introductory and General Chemistry	3-5
or CHEM 110	Chemical Principles I	

MATH 26 or a higher level MATH course recommended by math placement test. Course list includes: MATH 26, MATH 40, MATH 41, MATH 110 or MATH 140	3
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Select 12 additional credits from 400-level Kines courses except KINES 403. No more than 3 credits of KINES 496, 408 or 495D may count toward this requirement

Exercise Science Option (52-55 credits)

Available at the following campuses: Altoona, Berks, Harrisburg

Code	Title	Credits
Prescribed Courses		
<i>Prescribed Courses: Require a grade of C or better</i>		
KINES 200	Muscle Training: Physiology, Programs, Techniques	3
KINES 201	Cardiorespiratory Training for Health and Performance	3
KINES 260	Research Skills in Kinesiology	3
KINES 356	Activity and Disease	3
KINES 358	Ergogenic Aids	1
KINES 456	Physical Fitness Appraisal	4
KINES 457	Exercise Prescription and Case Studies	3
KINES 495C	Exercise Science Practicum	4
Additional Courses		
<i>Additional Courses: Require a grade of C or better</i>		
Select 3 credits from KINES 1 to KINES 99		3
MATH 22 or Satisfactory performance on the MATH placement examination – i.e., placement beyond the level of MATH 22		3
PHYS 150	Technical Physics I	3-4
or PHYS 250	Introductory Physics I	
Select one of the following:		3-5
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

<i>Supporting Courses and Related Areas: Require a grade of C or better</i>	
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.	16
Business Emphasis	
Science Emphasis	

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 (<https://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 and Inter-Domain courses do not meet this requirement.)

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

Breadth in the Knowledge Domains (Inter-Domain courses do not meet this requirement.)

- **Arts (GA):** 3 credits
- **Health and Wellness (GHW):** 3 credits
- **Humanities (GH):** 3 credits
- **Social and Behavioral Sciences (GS):** 3 credits
- **Natural Sciences (GN):** 3 credits

Integrative Studies

- **Inter-Domain Courses (Inter-Domain):** 6 credits

Exploration

- **GN**, may be completed with Inter-Domain courses: 3 credits
- **GA, GH, GN, GS, Inter-Domain courses.** This may include 3 credits of World Language course work beyond the 12th credit level or the requirements for the student's degree program, whichever is higher: 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 (<https://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.

Integrated B.S. in Kinesiology and M.P.H. in Public Health

Available at the following campuses: University Park

Requirements for the Integrated B.S. in Kinesiology and M.P.H. in Public Health can be found in the Graduate Bulletin (<https://bulletins.psu.edu/graduate/programs/majors/public-health/#integratedundergradgradprogramstext>).

Program Learning Objectives

- Students will demonstrate personal, professional, and ethical competency within the discipline of kinesiology.
- 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.
- Students will be able define and demonstrate competency for planning and implementing kinesiology-related health, fitness, performance, and behavior change interventions and programs.
- Students will be able to perform assessments of physical activity and fitness.
- 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 (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy/>)

University Park

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<https://hhd.psu.edu/kines/undergraduate/advising/appointment-scheduling-current-penn-state-students-located-university-park> (<https://hhd.psu.edu/kines/undergraduate/advising/appointment-scheduling-current-penn-state-students-located-university-park/>)

Altoona

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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 2023-24 academic year. To access previous years' suggested academic plans, please visit the archive (<https://bulletins.psu.edu/undergraduate/archive/>) to view the appropriate Undergraduate Bulletin edition (*Note: the archive only contains suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin*).

Applied Exercise Health Option - Health and Physical Education Certificate Emphasis: Kinesiology, B.S. at University Park 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

Fall	Credits Spring	Credits
KINES 101 ^{*#2}	3 CHEM 101, 106, 110, or 130 ^{*†}	3-5
BIOL 161 ^{*†}	3 KINES 100 ^{*#2}	3
MATH 26 ^{*#2}	3 STAT 200, 250, or SCM 200 ^{*†#2}	3-4

General Education Course (GWS) (ENGL 15, ENGL 30H, ESL 15, ENGL/CAS 137H recommended) ^{†#2}	3 General Education Course (GWS) (CAS 100, CAS 100A, CAS 100B, CAS 100C, ENGL/CAS 138T recommended) [†]	3
General Education Course (GA)	3 General Education Course (Inter-Domain)	3
PSU First-Year Seminar and KINES 97	2	
	17	15-18

Second Year

Fall	Credits Spring	Credits
KINES 200 [*]	3 KINES 201 [*]	3
KINES 202 ^{*#2}	3 BIOL 163 ^{*†}	3
KINES 295B ^{*#2}	1 NUTR 251 ^{*†}	3
KINES 321 [*]	3 PHYS 250 or 150 [*]	3-4
PSYCH 100 ^{*#†2}	3 KINES 345 [*]	3
General Education Course (Inter-Domain) ^{#†1,2}	3 KINES 267 [*]	1
	16	16-17

Third Year

Fall	Credits Spring	Credits
EDPSY 10 ^{*#†2}	3 CI 280 ^{*†}	3
KINES 341 [*]	3 KINES 360 [*]	3
KINES 350 [*]	3 KINES 384 [*]	3
KINES 367 [*]	1 KINES 456 [*]	4
KINES 368 [*]	2 General Education Course (GWS) (ENGL 202A or 202D suggested) [†]	3
KINES 401 [*]	3	
	15	16

Fourth Year

Fall	Credits Spring	Credits
KINES 366 [*]	3 KINES 495A [*]	12
KINES 395A [*]	1	
KINES 400 [*]	3	
KINES 464 [*]	3	
KINES 468W [*]	3	
SPLD 400 [*]	4	
	17	12

Total Credits 124-128

- * 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

¹ Select one integrative studies from the approved literature list: <https://sites.psu.edu/educationadvising/course-lists/lit/>

² More information about Entrance-to-Major requirements for the HPE Emphasis can be found at: <https://hhd.psu.edu/sites/default/files/kinesiology-kines/undergraduate-programs/kinesiology-kines-undergraduate-programs-aeoptionhpeemphasisentrancerequirementspdf.pdf>

University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy Cultural Diversity 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.

General Education includes Foundations (GWS and GQ), Knowledge Domains (GHW, GN, GA, GH, GS) and Integrative Studies (Inter-domain) requirements. N or Q (Honors) is the suffix at the end of a course number used to help identify an Inter-domain course, but the inter-domain attribute is used to fill audit requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

All incoming Schreyer Honors College first-year students at University Park will take ENGL 137H/CAS 137H in the fall semester and ENGL 138T/CAS 138T in the spring semester. These courses carry the GWS designation and satisfy a portion of that General Education requirement. If the student's program prescribes GWS these courses will replace both ENGL 15/ENGL 30H and CAS 100A/CAS 100B/CAS 100C. Each course is 3 credits.

Advising Notes:

NOTE: The Kinesiology/AEH Academic Requirements takes precedence over the Suggested Academic Plan for graduation requirements.

LIMITATIONS ON SOURCE AND TIME FOR CREDIT ACQUISITION: In accordance with Policy 83-80.5, the Department of Kinesiology requires at least 24 credits of prescribed coursework in the major to be completed at the location or in the college or program where the degree is earned. World Campus courses may not be counted toward this 24 credit minimum. The 24 credits include the capstone course in the major: KINES 495A for the AEH (HPE Emphasis).

Select from the approved literature list at: <https://sites.psu.edu/educationadvising/course-lists/lit/>.

Applied Exercise Health Option - American College of Sports Medicine/National Strength and Conditioning Association Certificate Emphasis: Kinesiology, B.S. at University Park 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

Fall	Credits Spring	Credits
KINES 101 [*]	3 CHEM 101, 106, 110, or 130 ^{**†}	3-5
BIOL 161 ^{**†}	3 KINES 100 [*]	3
MATH 26 [*]	3 STAT 200, 250, or SCM 200 ^{**†}	3-4
General Education Course (GWS) (ENGL 15, ENGL 30H, ESL 15, ENGL/CAS 137H recommended) [†]	3 General Education Course (GWS) (CAS 100, CAS 100A, CAS 100B, CAS 100C, ENGL/CAS 138T recommended) [†]	3
General Education Course (GA)	3 General Education Course (Inter-Domain) ¹	3
PSU First-Year Seminar and KINES 97	2	
	17	15-18

Second Year

Fall	Credits Spring	Credits
KINES 200 [*]	3 KINES 201 [*]	3
KINES 202 [*]	3 BIOL 163 ^{**†}	3
KINES 295B [*]	1 NUTR 251 ^{**†}	3
KINES 321 [*]	3 PHYS 250 [*]	4
PSYCH 100 ^{**†}	3 KINES 345 [*]	3
General Education Course (Inter-Domain) ¹	3 KINES 267 [*]	1
	16	17

Third Year

Fall	Credits Spring	Credits
EDPSY 10 ^{**†}	3 CI 280 ^{**†}	3
KINES 341 [*]	3 KINES 401 [*]	3
KINES 367 [*]	1 KINES 384 [*]	3
KINES 395B [*]	1 KINES 456 [*]	4
KINES 421 [*]	3 General Education Course (GWS) (ENGL 202A or 202D suggested) [†]	3
KINES 368 [*]	2	
KINES 350 [*]	3	
	16	16

Fourth Year

Fall	Credits Spring	Credits
KINES 360 [*]	3 KINES 457 [*]	3
KINES 492W, 481W, 425W, or 493W [*]	3 KINES 495B [*]	6
KINES 485 [*]	3 KINES 495E [*]	3

KINES 400-level [*]	3	
	12	12

Total Credits 121-124

* 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 Cultural Diversity 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.

General Education includes Foundations (GWS and GQ), Knowledge Domains (GHW, GN, GA, GH, GS) and Integrative Studies (Inter-domain) requirements. N or Q (Honors) is the suffix at the end of a course number used to help identify an Inter-domain course, but the inter-domain attribute is used to fill audit requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

All incoming Schreyer Honors College first-year students at University Park will take ENGL 137H/CAS 137H in the fall semester and ENGL 138T/CAS 138T in the spring semester. These courses carry the GWS designation and satisfy a portion of that General Education requirement. If the student's program prescribes GWS these courses will replace both ENGL 15/ENGL 30H and CAS 100A/CAS 100B/CAS 100C. Each course is 3 credits.

Advising Notes:

NOTE: The Kinesiology/AEH Academic Requirements Report (Degree Audit) takes precedence over the Suggested Academic Plan for graduation requirements.

LIMITATIONS ON SOURCE AND TIME FOR CREDIT ACQUISITION: In accordance with Policy 83-80.5, the Department of Kinesiology requires at least 24 credits of prescribed coursework in the major to be completed at the location or in the college or program where the degree is earned. World Campus courses may not be counted toward this 24 credit minimum. The 24 credits include the capstone course in the major: KINES 495B for the AEH (ACSM/NSCA Emphasis).

Movement Science Option: Kinesiology, B.S. at University Park 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

Fall	Credits Spring	Credits
KINES 100*	3 KINES 101*	3
BIOL 161**†	3 BIOL 163**†	3
BIOL 162*	1 BIOL 164*	1
MATH 26*	3 NUTR 251**†	3
General Education Course (GWS) (ENGL 15, ENGL 30H, ESL 15, ENGL/CAS 137H recommended)†	3 General Education Course (GH or GA)	3
PSU First-Year Seminar and KINES 97	2 General Education Course (Inter-Domain)	3
	15	16

Second Year

Fall	Credits Spring	Credits
KINES 202*	3 PSYCH 100**†	3
CHEM 110*	3 BIOL 110**†	4
CHEM 111*	1 KINES 321*	3
KINES 295B*	1 CHEM 112*	3
General Education Course (GWS) (CAS 100, CAS 100A, CAS 100B, CAS 100C, ENGL/CAS 138T recommended)†	3 CHEM 113*	1
General Education Course (GA or GH)	3 General Education Course: Exploration (GN, GA, GH, GS, Inter-Domain or up to 3 units of 12th unit and beyond World Language)	3
General Education Course (Inter-Domain)	3	
	17	17

Third Year

Fall	Credits Spring	Credits
KINES 350*	3 KINES 345*	3
KINES 395B*	1 KINES 360*	3
PHYS 250*	4 KINES 400-level	3
KINES 341*	3 Elective (Suggest Graduate School Prerequisite)	4
Elective (Suggest Graduate School Prerequisite)	3 Elective (Suggest Graduate School Prerequisite)	3
	14	16

Fourth Year

Fall	Credits Spring	Credits
KINES 384**††	3 KINES 495B*	3

KINES 425W, 430W, 439W, KINES 447W, KINES 481W, KINES 492W, or KINES 493W (Writing Across Curriculum)	3 KINES 400-level	3
STAT 200, 250, or SCM 200**†	3-4 General Education Course (GWS) (ENGL 202A or 202D suggested)†	3
KINES 400-level	3 Elective (Suggest Graduate School Prerequisite)	3
Elective (Suggest Graduate School Prerequisite)	3	
	15-16	12

Total Credits 122-123

* 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 Cultural Diversity 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.

General Education includes Foundations (GWS and GQ), Knowledge Domains (GHW, GN, GA, GH, GS) and Integrative Studies (Inter-domain) requirements. N or Q (Honors) is the suffix at the end of a course number used to help identify an Inter-domain course, but the inter-domain attribute is used to fill audit requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

All incoming Schreyer Honors College first-year students at University Park will take ENGL 137H/CAS 137H in the fall semester and ENGL 138T/CAS 138T in the spring semester. These courses carry the GWS designation and satisfy a portion of that General Education requirement. If the student's program prescribes GWS these courses will replace both ENGL 15/ENGL 30H and CAS 100A/CAS 100B/CAS 100C. Each course is 3 credits.

Advising Notes:

NOTE: The Kinesiology/MOVSCI Academic Requirements Report (Degree Audit) takes precedence over the Suggested Academic Plan for graduation requirements.

LIMITATION on the number of TRANSFER COURSES used for KINES 300-Level Core: Two courses (6 credits) can be transferred into PSU and applied to graduation requirements for the KINES major. KINES 300-level courses include KINES 321, 341, 345, 350, 360 & 384.

LIMITATIONS on SOURCE & TIME for CREDIT ACQUISITION: In accordance with Policy 83-80.5, the Department of Kinesiology requires that a minimum of 24 credits of prescribed major coursework be completed at the location or in the college or program where the degree is earned. World Campus courses may not count towards this 24 credit minimum. The 24 credits include the capstone course in the major: KINES 495B in Movement Science.

Applied Exercise Health Option - Health and Physical Education TrACK: Kinesiology, B.S. at Commonwealth Campuses (eARLY cHANGE OF 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

Fall	Credits Spring	Credits
BIOL 161 ^{*†}	3 BIOL 163 [‡]	3
MATH 26 [*]	3 CHEM 101 or 130 ^{*†}	3
PSYCH 100	3 STAT 200, 250, or SCM 200 ^{*†}	3-4
General Education Course (GWS) (ENGL 15, ENGL 30H, ESL 15, ENGL/CAS 137H recommended) [‡]	3 General Education Course (GWS) (CAS 100, CAS 100A, CAS 100B, CAS 100C, ENGL/CAS 138T recommended) [‡]	3
General Education Course (GA)	3 General Education Course (Inter-Domain) ¹	3
PSU First-Year Seminar	1	
	16	15-16

Second Year

Fall	Credits Spring	Credits
EDPSY 10 ^{*†}	3 CI 280	3
NUTR 251	3 PHYS 250	4
KINES 202	3 KINES 100	3
KINES 295B	1 KINES 350	3
KINES 101	3 General Education Course (GWS) (ENGL 202A or 202D suggested) [‡]	3
General Education Course (Inter-Domain) ¹	3	
	16	16

Third Year

Fall	Credits Spring	Credits
KINES 201	3 KINES 456	4
KINES 360	3 KINES 384	3
KINES 341	3 KINES 401	3
KINES 200	3 KINES 321	3
KINES 367	1 KINES 345	3
KINES 267	1	
KINES 368	2	
	16	16

Fourth Year

Fall	Credits Spring	Credits
KINES 366 [*]	3 KINES 495A	12
KINES 395A [*]	1	
KINES 400	3	
KINES 464	3	
KINES 468W	3	

SPLD 400	4	
	17	12

Total Credits 124-125

* 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 Cultural Diversity 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.

General Education includes Foundations (GWS and GQ), Knowledge Domains (GHW, GN, GA, GH, GS) and Integrative Studies (Inter-domain) requirements. N or Q (Honors) is the suffix at the end of a course number used to help identify an Inter-domain course, but the inter-domain attribute is used to fill audit requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

Advising Note:

Students who request an Early Change of Campus to University Park for fall semester of their second year should have completed the following courses in the first year:

- ENGL 15
- MATH 26
- PSYCH 100
- BIOL 161 and BIOL 163
- CHEM 101 or CHEM 130

Select one integrative studies from the approved literature list: <https://sites.psu.edu/educationadvising/course-lists/lit/>.

Applied Exercise Health Option - American College of Sports Medicine/National Strength and Conditioning Association Track: Kinesiology, B.S. at Commonwealth Campuses

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

Fall	Credits Spring	Credits
BIOL 161 ^{**†}	3 CHEM 101, 106, 110, or 130 ^{**†}	3-5
MATH 26 ^{**†}	3 STAT 200, 250, or SCM 200 ^{**†}	3-4
General Education Course (GWS) (ENGL 15, ENGL 30H, ESL 15, ENGL/CAS 137H recommended) [‡]	3 General Education Course (GWS) (CAS 100, CAS 100A, CAS 100B, CAS 100C, ENGL/CAS 138T recommended) [‡]	3
General Education Course (GA)	3 General Education Course (Inter-Domain)	3
PSU First-Year Seminar	1	
	13	12-15

Second Year

Fall	Credits Spring	Credits
EDPSY 10 ^{**†}	3 CI 280 ^{**†}	3
NUTR 251 ^{**†}	3 PHYS 250 or 150 [*]	3-4
BIOL 163 ^{**†}	3 PSYCH 100 ^{**†}	3
General Education Course (Inter-Domain)	3 General Education Course (GWS) (ENGL 202A or 202D suggested) [‡]	3
	12	12-13

Third Year

Fall	Credits Spring	Credits
KINES 100 [*]	3 KINES 321 [*]	3
KINES 201 [*]	3 KINES 350 [*]	3
KINES 295B [*]	1 KINES 401 [*]	3
KINES 101 [*]	3 KINES 341 [*]	3
KINES 202 [*]	3 KINES 345 [*]	3
KINES 200 [*]	3 KINES 368 [*]	2
KINES 267 [*]	1 KINES 395B [*]	1
KINES 367 [*]	1	
	18	18

Fourth Year

Fall	Credits Spring	Credits
KINES 360 [*]	3 KINES 495B [*]	6
KINES 421 [*]	3 KINES 495E [*]	3
KINES 456 [*]	4 KINES 457 [*]	3
KINES 384 [*]	3 KINES 485 [*]	3
KINES 425W, 481W, 492W, or 493W [*]	3	

KINES 400-Level [*]	3	
	19	15

Total Credits 119-123

* 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 Cultural Diversity 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.

General Education includes Foundations (GWS and GQ), Knowledge Domains (GHW, GN, GA, GH, GS) and Integrative Studies (Inter-domain) requirements. N or Q (Honors) is the suffix at the end of a course number used to help identify an Inter-domain course, but the inter-domain attribute is used to fill audit requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

All incoming Schreyer Honors College first-year students at University Park will take ENGL 137H/CAS 137H in the fall semester and ENGL 138T/CAS 138T in the spring semester. These courses carry the GWS designation and satisfy a portion of that General Education requirement. If the student's program prescribes GWS these courses will replace both ENGL 15/ENGL 30H and CAS 100A/CAS 100B/CAS 100C. Each course is 3 credits.

Advising Notes:

NOTE: The Kinesiology/AEH Academic Requirements Report (Degree Audit) takes precedence over the Suggested Academic Plan for graduation requirements.

LIMITATIONS ON SOURCE AND TIME FOR CREDIT ACQUISITION: In accordance with Policy 83-80.5, the Department of Kinesiology requires at least 24 credits of prescribed coursework in the major to be completed at the location or in the college or program where the degree is earned. World Campus courses may not be counted toward this 24 credit minimum. The 24 credits include the capstone course in the major: KINES 495B for the AEH (ACSM/NSCA Emphasis).

Movement Science Option: Kinesiology, B.S. at Commonwealth Campuses

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

Fall	Credits Spring	Credits
PSYCH 100 ^{*†}	3 BIOL 163 ^{*†}	3
BIOL 161 ^{*†}	3 BIOL 164 [*]	1
BIOL 162 [*]	1 General Education Course (GA)	3
MATH 26 [*]	3 General Education Course (GH)	3
General Education Course (GWS) (ENGL 15, ENGL 30H, ESL 15, ENGL/CAS 137H recommended) [‡]	3 General Education Course (Inter-Domain)	3
PSU First-Year Seminar	1 Elective (Suggest Graduate School Prerequisite)	3
	14	16

Second Year

Fall	Credits Spring	Credits
CHEM 110 [*]	3 STAT 200, 250, or SCM 200 ^{*†}	3-4
CHEM 111 [*]	1 BIOL 110 ^{*†}	4
NUTR 251 ^{*†}	3 CHEM 112 [*]	3
PHYS 250 [*]	4 CHEM 113 [*]	1
General Education Course (GWS) (CAS 100, CAS 100A, CAS 100B, CAS 100C, ENGL/CAS 138T recommended) [‡]	3 Elective (Suggest Graduate School Prerequisite)	4
General Education Course (Inter-Domain)	3	
	17	15-16

Third Year

Fall	Credits Spring	Credits
KINES 101 [*]	3 KINES 100 [*]	3
KINES 202 [*]	3 KINES 384 ^{*††}	3
KINES 295B or 295 [*]	1 KINES 350 [*]	3
Elective (Suggest Graduate School Prerequisite)	3 KINES 395B [*]	1
General Education Course (GWS) (ENGL 202A or 202D suggested) [‡]	3 Elective (Suggest Graduate School Prerequisite)	3
General Education Course: Exploration (GN, GA, GH, GS, Inter-Domain or up to 3 units of 12th unit and beyond World Language)	3 KINES 400-level ¹	3
	16	16

Fourth Year

Fall	Credits Spring	Credits
KINES 360 [*]	3 KINES 495B [*]	3
KINES 321 [*]	3 KINES 400-level ¹	3
KINES 341 [*]	3 KINES 425W, 439W, KINES 447W, KINES 481W, KINES 492W, or KINES 493W	3
KINES 345 [*]	3 Elective (Suggest Graduate School Prerequisite)	3
KINES 400-level ¹	3	
	15	12

Total Credits 121-122

* 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

¹ **Course List:** CAMS 442, HDF5 427, KINES 410, KINES 411, KINES 419, KINES 420, KINES 421, KINES 422, KINES 423, KINES 424, KINES 425, KINES 426, KINES 427, KINES 428, KINES 429, KINES 439W, KINES 440, KINES 441, KINES 442, KINES 443, KINES 444, KINES 446, KINES 447W, KINES 450, KINES 452, KINES 453, KINES 454, KINES 455, KINES 456, KINES 457, KINES 458, KINES 460, KINES 463, KINES 465, KINES 467, KINES 481W, KINES 483, KINES 484, KINES 485, KINES 488, KINES 492W, KINES 493, KINES 493W, KINES 495E, KINES 499, WMNST 424

University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy Cultural Diversity 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.

General Education includes Foundations (GWS and GQ), Knowledge Domains (GHW, GN, GA, GH, GS) and Integrative Studies (Inter-domain) requirements. N or Q (Honors) is the suffix at the end of a course number used to help identify an Inter-domain course, but the inter-domain attribute is used to fill audit requirements. Foundations courses (GWS and GQ) require a grade of 'C' or better.

Note:

Each campus will need to adjust the semester course schedule planning according to their course offerings.

The Kinesiology/MOVSCI Academic Requirements Report (Degree Audit) takes precedence over the Suggested Academic Plan for graduation requirements.

Advising Notes:

LIMITATION on the number of TRANSFER COURSES used for KINES 300-Level Core: A limit of two courses (6 credits) can be transferred into Penn State and applied to graduation requirements for both KINES and Athletic Training majors. KINES 300-level courses include KINES 321, 341, 345, 350, 360 & 384.

LIMITATIONS on SOURCE & TIME for CREDIT ACQUISITION: In accordance with Policy 83-80.5, the Department of Kinesiology requires that a minimum of 24 credits of prescribed major coursework be completed at the location or in the college or program where the degree is earned. World Campus courses may not count towards this 24 credit minimum. The 24 credits include the capstone course in the major: KINES 495B in Movement Science; ATHTR 495C in Athletic Training; KINES 495B in AEH (ACSM/NSCA Certification Emphasis).

The Kinesiology MOVCS Degree Audit (LionPATH: Academic Record) is the official student record for graduation purposes. The Suggested Academic Plan is a tool for student usage, not an official university record.

Career Paths

A Kinesiology degree can provide many opportunities for students ranging from fulfilling careers in health and wellness to graduate/professional studies in a wide range of allied health professions. The hands-on learning opportunities and internships in the program allow students to build experience, gain professional skills and explore their interests to create a strong foundation for a post-graduation career or in the next step of their education.

Careers

Kinesiology students have many career options after graduation. Discussion with Kinesiology faculty, an adviser, or professionals in the field through internship experiences 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. The applied learning opportunities in our curriculum give students hands-on experience to work with children and adults to promote health and wellness. Kinesiology graduates are well-rounded and valuable employees with their strong scientific foundation that can be applied to solving problems related to human movement.

MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES OF THE KINESIOLOGY PROGRAM (<https://americankinesiology.org/careers-in-kinesiology/>)

Opportunities for Graduate Studies

Many students in Kinesiology aim to pursue graduate or professional school after they complete their undergraduate program. Kinesiology students are often interested in careers in physical therapy, athletic training, occupational therapy, physician's assistant, medical school, dentistry, nursing, or chiropractic school. Students may also opt to attend graduate programs in Kinesiology to advance their understanding in one of the sub-disciplines of the field. The Kinesiology undergraduate program includes many of the prerequisite courses needed for a variety of these post-bachelor programs, providing students with a strong scientific foundation for further study.

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES (<https://explorehealthcareers.org/>)

Professional Resources

- National Academy of Kinesiology (<https://nationalacademyofkinesiology.org>)
- American College of Sports Medicine (<https://www.acsm.org/>)
- National Strength and Conditioning Association (<https://www.nscs.com/>)

- SHAPE: Society of Health and Physical Educators (<https://www.shapeamerica.org/>)
- American Kinesiology Association (<https://americankinesiology.org/>)
- PA Department of Education (<https://www.education.pa.gov/Teachers%20-%20Administrators/Curriculum/HealthPhysicalEd/Pages/default.aspx>)

Professional Licensure/Certification

Many U.S. states and territories require professional licensure/certification to be employed. If you plan to pursue employment in a licensed profession after completing this program, please visit the Professional Licensure/Certification Disclosures by State (<https://www.psu.edu/state-licensure-disclosures/>) interactive map.

Contact

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<https://hhd.psu.edu/kines/undergraduate/major-kinesiology> (<https://hhd.psu.edu/kines/undergraduate/major-kinesiology/>)

Altoona

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<https://altoona.psu.edu/academics/bachelors-degrees/kinesiology> (<https://altoona.psu.edu/academics/bachelors-degrees/kinesiology/>)

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<https://harrisburg.psu.edu/behavioral-sciences-education/kinesiology-bs> (<https://harrisburg.psu.edu/behavioral-sciences-education/kinesiology-bs/>)