

Kinesiology

Degrees offered include the Master of Science and the Educational Specialist. At the master's degree level, students may specialize in Exercise Physiology (see listing below for more information about this program) or complete a teacher certification program (traditional master's program for those holding a valid B level certificate in physical education or the alternative master's program for those NOT completing an undergraduate physical education teacher education program). The traditional master's and the educational specialist link teacher certification with the graduate program in physical education. For example, the M.S. awards the level A certificate and the Ed.S. is linked to the AA certificate. Each program requires a teaching certificate in physical education at the previous level (e.g., B certificate for admission to the A level, except the Alternative A program, and the A certificate for admission to the AA certificate).

Dispositions

Faculty individually review the professional dispositions (behaviors and attitudes) of students within each course in accordance with the School of Education's policy and procedure. Additionally, faculty will collectively review student dispositions and overall progress in the program at the end of each semester. Dispositional areas identified as deficient could result in termination from the program.

Master of Science in Kinesiology with a Concentration in Exercise Physiology

The Master of Science in Kinesiology with a concentration in Exercise Physiology serves the purpose of preparing students to work in higher education, as a fitness instructor, wellness educator, researcher, coach, secure a leadership position in a fitness facility, or pursue doctoral studies.

Thesis Option

The thesis option consists of 33 credit hours. This path is for those seeking to further their academic research skills in preparation for doctoral study or a career in research. Students who choose this path are required to take 6 credit hours of thesis research. The thesis option will require successful completion of the thesis defense. The thesis option requires students to follow a specific timeline; this is essential to completing their degree on time. Failure to comply with the timeline will result in delays. The thesis timeline can be located on the [Graduate School's website](#).

Non-Thesis Option

The non-thesis option consists of 36 credit hours and the successful completion of a comprehensive exam. This path is designed to give students a foundation in Kinesiology, while also focusing on content relevant to their areas of interest. This option allows students to choose more electives that align with their interests while taking a comprehensive exam at the end of the program.

The Non-thesis option will require successful completion of a comprehensive exam. Comprehensive exam dates and timelines can be found on the [Exercise Physiology Website](#). Students will register the semester before the semester they complete their comprehensive exam, which is during their final semester (if completing the program within 3 semesters) or the semester before their last semester (if completing the program in more than 3 semesters). The exam will be completed on a

Friday during the semester they registered for and no collaboration nor outside help is allowed during the 4-hour exam. Failure to independently complete the comprehensive exam will result in an automatic no-pass score and the student will be required to retake the exam the following semester. They must complete the comprehensive exam before they will be allowed to graduate.

Admissions Requirements

Applicants must meet the following requirements for admission to the Master of Science in Kinesiology with a concentration in Exercise Physiology:

- Completed undergraduate degree (any major) from a regionally accredited institution
 - Pre-reqs courses required before acceptance (grade of C or better)
 - Biology, Chemistry, Human Anatomy, and Human Physiology
- An official copy of all transcripts
- GPA of at least 2.75 on a 4.0 scale
- Resume/CV
- Statement of purpose
- Three Letters of recommendation
- GRE is not required

Graduate Certificate in Clinical Exercise Physiology

The certificate will help provide fundamental knowledge, skills, and abilities to conduct exercise testing and prescription in clinical and non-clinical settings. The certificate can be completed as a stand-alone certificate for undergraduate or graduate students majoring in exercise science or related fields (nutrition, biomedical science, biology, community health, and health education). Or may be used as part of the Graduate School's Master's Degree of Interdisciplinary Graduate Studies (IGS).

Students who have completed a master's degree in Kinesiology with a concentration in Exercise Physiology from UAB are not eligible to complete the graduate certificate in clinical exercise physiology.

Admission Requirements

Applicants must meet the following requirements for admission to the Graduate Certificate in Clinical Exercise Physiology:

- Completed undergraduate degree with an overall GPA of at least 2.5 on a 4.0 scale OR current UAB undergraduate student in good standing with 60+ credit hours completed (36 of these credit hours must have been taken at UAB) and an institutional GPA of 3.0 (Applicants do not need to have earned a degree in kinesiology nor be currently pursuing a degree in kinesiology).
- Applicants must submit a certificate-seeking application for admission to the [UAB Graduate School](#).

Note: Undergraduate students cannot use the graduate credit hours from this certificate program toward their undergraduate degree.

Graduate Certificate in Coaching the Intercollegiate Scholar Athlete

This program will provide current or aspiring athletic coaches throughout our state, and the region, with access to a strategically designed practitioner-focused credential to support their career competencies and advancement. The certificate will be offered as a stand-alone to undergraduate or graduate students majoring in exercise science or related fields (nutrition, biomedical science, biology, community health, and health education). Or may be used as part of the Graduate School's Master's Degree of Interdisciplinary Graduate Studies (IGS).

Admission Requirements

Applicants must meet the following requirements for admission to the Graduate Certificate in Clinical Exercise Physiology:

- Completed undergraduate degree with an overall GPA of at least 2.5 on a 4.0 scale OR current UAB undergraduate student in good standing with 60+ credit hours completed (36 of these credit hours must have been taken at UAB) and an institutional GPA of 3.0 (Applicants do not need to have earned a degree in kinesiology nor be currently pursuing a degree in kinesiology).
- Applicants must submit a certificate-seeking application for admission to the UAB Graduate School.

Note: Undergraduate students cannot use the graduate credit hours from this certificate program toward their undergraduate degree.

Students can start this 15-hour Coaching the Intercollegiate Scholar Athlete Graduate Certificate in either the fall, spring, or summer. Applicants do not need to have earned a degree in kinesiology.

Accelerated Learning Opportunities

Master in Kinesiology with a concentration in Exercise Physiology via the Accelerated Bachelors/Masters (EPH-ABM) Program

Exercise Physiology offers an Accelerated Bachelors/Masters (ABM) option for high-achieving undergraduates. Distinct advantages of EPH-ABM include the use of up to 12 hours of shared credit this is applied to both your BS and MS degrees, taking graduate courses at the undergraduate tuition rate, and additional opportunities for academic advising and mentoring.

Admission Requirements

- Junior status (60 credit hours, 36 of these hours at UAB)
- Minimum 3.5 undergraduate GPA
- Complete the following pre-requisite courses: BY 115, BY 116, CHHS 140, CHHS 141, KIN 136, KIN 307, & KIN 400
- UAB Transcript (uploaded by Graduate School)
- ABM Form
- Application Fee
- Essay

- Resume

- Maintain a 3.0 GPA average in undergraduate Exercise Science courses while in the EPH-ABM
- Receive a B (or better) in graduate courses taken while still an undergraduate student
- Maintain full-time-student status at UAB (with exceptions for medical emergencies)

The following courses are approved for shared credit for students pursuing an ABM in Exercise Physiology: KIN 585, KIN 639, KIN 640, KIN 641, KIN 645, KIN 649, KIN 656, KIN 672, and KIN 674

Note: If any of the requirements are violated, the student will be withdrawn from the EPH-ABM program. If a student is withdrawn, they will retain credit for the courses already taken in the program, but no credit sharing will be allowed even if later the student enrolls in a graduate program in the Department of Human Studies. Once the undergraduate student has completed all course requirements for graduation, their undergraduate degree will be awarded.

Once the student graduates with a B.S., they continue to take additional coursework to fulfill the degree requirements of their M.S. program. The M.S. degree will be awarded after those requirements.

Deadlines for all Applicants:

- **Fall:** August 1
- **Spring:** December 1
- **Summer:** May 1

For More Information:

Please contact Dr. Gordon Fisher (Graduate Program Director; grdnfs@uab.edu), or visit our website: <https://www.uab.edu/education/home/graduate/kinesiology/ms-kinesiology-exercise-physiology-concentration>.

Master of Science and "A" level teaching certificate; Non-Thesis

(30-33 hours)

Teaching Field: At least 1/3 of the program shall be teaching field courses. (18 hours)

Requirements	Hours
KIN 643 Curriculum Development in Physical Education	3
KIN 647 Teaching Strategies and Issues in K-12 PE	3
KIN 649 Advanced Adapted Physical Education ¹	3
KIN 693 Advanced Field Experience in Physical Education	3
Additional Courses (12-15 hours)	
Survey of Special Education Coursework: Required if not previously completed (0-3 hours)	0-3
ECY 600 Introduction to Exceptional Learner ²	
Electives (as approved by advisor) ³	12
EPR 594 Introduction to Educational Research Design	3
EDF or EPR 600 level course	3
Total Hours	30-33

¹ Approved diversity course

- ² Survey of Special Education Coursework: Required if not previously completed (0-3 hours)
- ³ Potential courses that may be used for the Electives in the Physical Education Teacher Certification Master's Degree Program: KIN 601, KIN 607, KIN 636, KIN 645, KIN 650, KIN 651, KIN 672, KIN 693, KIN 694,. Other graduate level courses may be used with the consent of your Advisor.

Master of Science and "A" level teaching certificate; Thesis

(30-33 hours)

Teaching Field: At least 1/3 of the program shall be teaching field courses. (18 hours)

Requirements	Hours
KIN 643 Curriculum Development in Physical Education	3
KIN 647 Teaching Strategies and Issues in K-12 PE	3
KIN 649 Advanced Adapted Physical Education ¹	3
KIN 693 Advanced Field Experience in Physical Education	3
EPR 608 Introduction to Statistical Methods in Educational Research	3
KIN 699 Thesis Research	6
Elective (as approved by advisor)	3
Survey of Special Education Coursework: Required if not previously completed (0-3 hours) ²	0-3
ECY 600 Introduction to Exceptional Learner ³	
Additional Courses (6 hours)	
EPR 594 Introduction to Educational Research Design	3
EDF or EPR 600 level course	3
Total Hours	30-33

¹ Approved diversity course

² Survey of Special Education Coursework: Required if not previously completed (0-3 hours)

Exercise Physiology

The Exercise Physiology specialization offers a master's degree option for students interested in either clinical exercise physiology or physiology research. The curriculum is multidisciplinary and can comprise of courses in the Schools of Education, Medicine, Health Related Professions, and Public Health. Two program plans are offered (detailed below). Plan I culminates with a thesis research project, and Plan II culminates with a written comprehensive exam. Resources for student participation in research include an Exercise Physiology Laboratory and Exercise & Nutritional Physiology Laboratory. Wide arrays of field experiences are also available at UAB and in local agencies and clinics. In addition to Graduate School admission requirements, prospective students must have completed undergraduate coursework in Biology or Chemistry. Listed below are the courses required in the program and a sample of elective courses.

Master of Science in Kinesiology with Exercise Physiology Concentration

Admission Requirement and Prerequisites

In addition to the general admission requirements of the Graduate School, potential applicants must have passed an undergraduate or

graduate level Biology, Chemistry, Anatomy, and Physiology courses. A minimum undergraduate GPA of 2.75 is required.

Plan I - 33 hours with Thesis

Requirements	Hours
EPR 594 Introduction to Educational Research Design	3
EPR 609 Statistical Methods and Research in Education: Intermediate ¹	3
KIN 637 Physiology of Exercise I	3
KIN 638 Physiology of Exercise II	3
KIN 642 Practicum in Physiology	3
KIN 699 Thesis Research	6
Electives in Major ²	12
Total Hours	33

¹ EPR 609 has a prerequisite of EPR 608 or equivalent (the equivalent must have been completed within two years of enrolling in EPR 609 and the student must have earned a grade of C or better); OR, a student may take a by-pass exam and earn a score of 70 or above. Please contact Dr. Jenna LaChenaye, (EPR Program Director), jmlach@uab.edu if you have questions regarding this EPR Policy.

² Potential courses that may be used for the Electives in the Exercise Physiology Master's Degree Program: CHHS 602, CHHS 621, CHHS 631, BY 511, GER 540, BY 611, BY 616, BHS 550, BHS 555, CH 560, EPR 607, EPR 608, KIN 585, KIN 639, KIN 640, KIN 641, KIN 645, KIN 653, KIN 656, KIN 672, KIN 674, KIN 694, KIN 695, KIN 697, NTR 521, NTR 601, NTR 609, NTR 779, NTR 618, NTR 625, NTR 750, RHB 780, RHB 781. Other graduate-level courses may be used with the consent of your Advisor.

Plan II - 36 hours with Comprehensive Exam

Requirements	Hours
EPR 594 Introduction to Educational Research Design	3
EPR 609 Statistical Methods and Research in Education: Intermediate ¹	3
KIN 637 Physiology of Exercise I	3
KIN 638 Physiology of Exercise II	3
Electives in Major ²	24
Total Hours	36

¹ EPR 609 has a prerequisite of EPR 608 or equivalent (the equivalent must have been completed within two years of enrolling in EPR 609 and the student must have earned a grade of C or better); OR, a student may take a by-pass exam and earn a score of 70 or above. Please contact Dr. Jenna LaChenaye, (EPR Program Director), jmlach@uab.edu if you have questions regarding this EPR Policy.

² Potential courses that may be used for the Electives in the Exercise Physiology Master's Degree Program: CHHS 602, CHHS 621, CHHS 631, BY 511, GER 540, BY 611, BY 616, BHS 550, BHS 555, CH 560, EPR 607, EPR 608, KIN 585, KIN 639, KIN 640, KIN 641, KIN 645, KIN 653, KIN 656, KIN 672, KIN 674, KIN 694, KIN 695, KIN 697, NTR 521, NTR 601, NTR 609, NTR 779, NTR 618, NTR 625, NTR 750, RHB 780, RHB 781. Other graduate-level courses may be used with the consent of your Advisor.

Master of Science in Kinesiology: Physical Education Alternative Master's Non-Thesis Program

The M.S. requires a minimum of 45 hours for the Physical Education Alternative Master's Non-Thesis program. A GPA of 3.25 is required.

Requirements	Hours
KIN 645 Advanced Motor Development	3
EDF or EPR 500-600 level course (Advisor Approval Required)	3
KIN 589 Physical Education Instructional Strategies	6
Required if not previously completed:	0-3
ECY 600 Introduction to Exceptional Learner ¹	
KIN 508 Adapted Physical Education ²	3
KIN 509 Assessment in Physical Education	3
KIN 511 Elementary School Physical Education & 511L and Educational Dance & Gymnastics	3
KIN 520 Fitness and Motor Skill Acquisition & 520L	4
KIN 523 Techniques of Teaching Fitness and Nutrition in Schools	3
KIN 607 Principles of Coaching	3
KIN 696 Elementary/Secondary Physical Education Internship	9
EPR 608 Introduction to Statistical Methods in Educational Research	3
EPR 521 Reading in Content Areas	1
Total Hours	44-47

¹ Survey of Special Education Coursework: Required if not previously completed (0-3 hours)

² Approved diversity course

Education Specialist Degree in Education with a Concentration in Physical Education

The Ed.S. degree requires a minimum of 30 credit hours for the Physical Education program. A minimum GPA of 3.50 is required.

Requirements	Hours
Teaching Field	
At least 1/3 of the program shall be teaching field courses (12 hours)	
KIN 636 Current Readings in Physical Education	3
KIN 715 Advanced Field Experience in Physical Education	3
KIN 726 Supervised Research in Physical Education	3
KIN 729 Physical Education Seminar	3
Survey of Special Education Coursework: Required if not previously completed (0-3 hours)	0-3
ECY 600 Introduction to Exceptional Learner ¹	
Select one course from the list below:	3
KIN 649 Advanced Adapted Physical Education ²	
EDF 702 Critical Social Issues in American Education ²	
EDF 720 Cult and Amer Educ: Race Class and Gender ²	
Additional Courses	
Select two courses from the list below	6
EPR 594 Introduction to Educational Research Design	
EPR 608 Introduction to Statistical Methods in Educational Research	

EPR 609 Statistical Methods and Research in Education:
Intermediate

Elective	
600-700 level Electives with permission of Advisor	9
National Board Certification in Physical Education can be transferred in as 6 hours of elective credit:	
KIN 694 Special Projects in Kinesiology	
Total Hours	30-33

¹ Not required if previously completed

² Approved diversity course

Graduate Certificate in Clinical Exercise Physiology

Requirements	Hours
KIN 639 Exercise Prescription for High Risk Populations	3
KIN 644 Application of Exercise Physiology to Fitness and Performance	3
KIN 697 Advanced Field Experience in Kinesiology	6
KIN 640 Advanced Techniques in Conditioning the Athlete or KIN 585 Advanced Exercise Testing and Prescription	3
Total Hours	15

Graduate Certificate in Coaching the Intercollegiate Scholar Athlete

Requirements	Hours
LEAD 500 Introduction to Leadership Behaviors, Characteristics and Theories	3
HEA 660 College Student Development	3
KIN 652 Measurement and Evaluation of Athletes	3
KIN 656 Advanced Sport Psychology	3
KIN 690 Seminar in Sports Administration	1
KIN 698 Coaching Internship (Individual Sport)	2
Total Hours	15