

# DEGREE PROGRAMS

## MASTER OF SCIENCE IN KINESIOLOGY

The Master of Science in Kinesiology, with options in Strength and Conditioning Studies or Sport Science, is designed to provide graduate level instruction in the theory and science of kinesiology. Both options are designed to meet the needs of coaches, physical educators, physical therapists, athletic trainers, and others interested in the fitness profession. Upon completion students may pursue certifications such as the Strength & Conditioning Specialist (CSCS) by the National Strength and Conditioning Association (NSCA) or the Certified Performance and Sport Scientist (CPSS) credential through the NSCA, which recognizes fewer than 38 Graduate Studies Programs.

### Master of Science in Kinesiology: Strength and Conditioning Studies Option

#### Unconditional Admission

Students are eligible to apply for unconditional admission to the Master of Kinesiology, Science in Strength and Conditioning Studies option if they meet the following requirements:

1. Applicants must meet the admission requirements for [Graduate College](#).
2. Applicants must meet a minimum undergraduate cumulative grade point average of 2.85.
3. Applicants must have completed either undergraduate courses in PE 4033 and PE 3663 with grades of "B" or higher or the leveling courses PE 5013 Structural and Mechanical Kinesiology Concepts and PE 5023 Applied Physiology Concepts with grades of "B" or higher.
4. Approval from the Program Director.

*\*Admission will be awarded on a competitive basis due to limited availability.*

#### Conditional Admission

Applicants who fail to meet the above requirement will be considered for conditional admission on a case-by-case basis. Students admitted conditionally must achieve a cumulative grade point average of 3.00 at the completion of twelve (12) semester hours toward the degree with no grade lower than "C".

#### Degree Requirements

1. Thirty-three credit hours are required for completion of the Master of Science in Strength and Conditioning Studies degree.

##### Required Core Courses (27 hours)

PE 6033 Exercise Physiology  
 PE 6043 Motor Learning and Control  
 PE 6053 Biomechanics  
 PE 6083 Research Methods and Statistics  
 SCS 6013 Measurement and Evaluation in Strength and Conditioning  
 SCS 6033 Strength and Conditioning Program Design and Development  
 SCS 6043 Techniques for Development of Hypertrophy, Strength, and Power  
 SCS 6053 Techniques for Development of Speed, Agility, Reaction Time and Endurance  
 SCS 6063 Trends in Sports Nutrition and Metabolism

##### Electives (3 hours)

MATH 5173 Advanced Biostatistics  
 PE 6063 Current Issues in Coaching and Athletics  
 PE 6073 Exercise and Sport Behavior  
 PE 6891 Independent Study 1-3credit hours  
 SCS 6023 Scientific Foundations of Strength and Conditioning  
 SCS 6083 Instructional Strategies for Strength Coaches  
 SCS 6093 Exercise Science Seminar

##### Culminating Experience (3 hours)

SCS 6103 Professional Project (could be research, internship, or other approved project)

2. A minimum of 27 semester hours of graduate course work completed in residence at Arkansas Tech University.
3. A cumulative grade point average of a 3.00 or better must be achieved in all graduate work attempted at Arkansas Tech University, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).
4. Completion of all degree requirements within six (6) years from the time of unconditional or conditional admission into the program.

### Master of Science in Kinesiology: Sport Science Option

The Master of Science in Kinesiology with the Science option is designed to provide graduate-level instruction in the theory and science of exercise science. The 33-hour program is designed to meet the needs of coaches, physical educators, physical therapists, athletic trainers, and others interested in

the fitness profession. This degree is designed to help prepare students for a career that relies more on data analysis. Students should be better prepared to complete the National Strength and Conditioning Associations (NSCA) Certified Performance and Sports Scientist (CPSS) exam.

### **Unconditional Admission**

Students are eligible to apply for unconditional admission to the Master of Science in Kinesiology with the Sport Science option if they meet the following requirements:

1. Applicants must meet the admission requirements for [Graduate College](#).
2. Applicants must meet a minimum undergraduate cumulative grade point average of 85.
3. Applicants must have completed either undergraduate courses in PE 4033 and PE 3663 with grades of "B" or higher or the leveling courses PE 5013 Structural and Mechanical Kinesiology Concepts Structural and Mechanical Kinesiology Concepts and PE 5023 Applied Physiology Concepts Applied Physiology Concepts with grades of "B" or higher.
4. Approval from the Program

*\*Admission will be awarded on a competitive basis due to limited availability.*

### Conditional Admission

Applicants who fail to meet the above requirement will be considered for conditional admission on a case-by-case basis. Students admitted conditionally must achieve a cumulative grade point average of 3.00 at the completion of twelve (12) semester hours toward the degree with no grade lower than "C".

### **Degree Requirements**

1. Thirty-three credit hours are required for completion of the Master of Science in Kinesiology degree with the Sport science option.

#### **Required Core Courses (24 hours)**

PE 6033 Exercise Physiology

PE 6043 Motor Learning and Control

PE 6053 Biomechanics

PE 6083 Research Methods and Statistics

EDFD 6003 Educational Research

SCS 6013 Measurement and Evaluation in Strength and Conditioning

SCS 6033 Strength and Conditioning Program Design and Development

SCS 6063 Trends in Sports Nutrition and Metabolism

#### **Electives (6 hours)**

MATH 5173 Advanced Biostatistics

PE 6063 Current Issues in Coaching and Athletics

PE 6073 Exercise and Sport Behavior

PE 6891 Independent Study

SCS 6023 Scientific Foundations of Strength and Conditioning

SCS 6083 Instructional Strategies for Strength Coaches

SCS 6093 Exercise Science Seminar

#### **Culminating Experience (3 hours)**

SCS 6103 Professional Project

2. A minimum of 27 semester hours of graduate coursework completed in residence at ATU.

3. A cumulative grade point average of 00 or better must be achieved in all graduate work attempted at ATU, with a maximum of six (6) hours of "C" grades. A student receiving more than six (6) hours of "C" or grades lower than "C" should refer to the section of the catalog on [Academic Probation and Dismissal](#).

4. Completion of all degree requirements within six (6) years from the time of unconditional or conditional admission into the program.

## Degree Works

Degree Works is a software tool utilized by Arkansas Tech University designed to detail academic progression. It allows both students and advisors to monitor course progress towards degree completion and clearly indicates which course requirements have been met as well as how courses transfer into a program. Transfer courses must be approved through the use of a substitution/waiver form available via the Registrar for progress to display correctly within Degree Works.

Degree Works will display course progression based on the current program of study, but a "what-if" scenario can be generated for any program to see how progression looks with the courses currently completed and in progress. Note that if you have applied to and been admitted to a graduate program while still finishing your undergraduate program, Degree Works will show your new program of study in the graduate program and you would have to generate a "what-if" query to see your undergraduate degree progress.

## Application for Graduation

In addition to satisfying all degree requirements, a candidate for a degree must file an [Application for Graduation](#) online or at the Graduate College. Students must apply for graduation upon completion of fifteen (15) graduate credit hours.

## Special Conditions of Graduate Credit

### Graduate Credit Taken Prior to Admission to Arkansas Tech University

A maximum of nine (9) semester hours of graduate credit with a grade point average of "B" or better may be transferred from an accredited graduate school if deemed appropriate to the graduate program by the head of the student's major department and the Graduate College Dean. Students must send a written request to the head of their major department to petition an acceptance of the transfer credit prior to requesting admission to candidacy to the graduate program. Graduate credit earned six (6) years prior to the completion date of all degree requirements may not be applied toward the degree without the approval of the appropriate program director and the Graduate College Dean. Credits earned by correspondence courses or for remedial purposes will not apply toward the graduate degree. No undergraduate course may be repeated for graduate credit.

### Graduate Credit Taken After Admission to Arkansas Tech University

If after admission to graduate study, a student wishes to take a course at another institution to count toward degree requirements at Arkansas Tech University, the student must, in advance of enrollment, obtain written approval from the program director and the Graduate College Dean.