

# Kinesiology & Athletic Training

## (College of Social and Behavioral Sciences)

The Department of Kinesiology & Athletic Training offers the following programs:

### Undergraduate Majors (B.A.)

- Athletic Training and Rehabilitation Studies (p. 1)
- Kinesiology and Exercise Science (p. 2)
- Physical Education-Teaching (p. 2)

### Minors

- Athletic Training and Rehabilitation Studies (p. 3)
- Coaching (p. 3)
- School Health Education-Teaching (p. 4)
- Sport Administration (p. 5)
- Strength and Conditioning (p. 5)

### Graduate Majors (M.A.)

- Kinesiology and Sport Performance (p. 5)
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### Graduate Major (M.A.T.R.)

- Master of Athletic Training (p. 7)

### Program Certificates

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## Bachelor of Arts Degree Programs

### Athletic Training and Rehabilitation Studies Major

The Athletic Training & Rehabilitation Studies major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

The Athletic Training & Rehabilitation Studies major is designed to prepare students to become healthcare professionals. The curriculum prepares students for entry into professional healthcare programs. The curriculum is based upon cognitive and psychomotor learning experiences.

All students should first indicate their interest in majoring in the Athletic Training & Rehabilitation Studies major any time after their general admission to UNI is complete by submitting the "Declaration of Curriculum" form, and indicating Athletic Training & Rehabilitation Studies major. Then, students should contact the Department of Kinesiology & Athletic Training Academic Advisor.

All program information is available at the athletic training program office (003 HPC) or our website [www.uni.edu/athletic-training](http://www.uni.edu/athletic-training).

### Required Core:

Athletic Training:		
AT 1010	Introduction to Athletic Training & Clinical Healthcare	3
AT 2000	Clinical Healthcare Experience	1
AT 3020	Clinical & Gross Human Anatomy	3
AT 3030	Acute Care	3
AT 3040	Foundations of Orthopedic Injury Assessment & Pathology I	3
AT 3050	Foundations of Orthopedic Injury Assessment & Pathology II	3
AT 4070	Foundations of Therapeutic Interventions & Rehabilitation	3
AT 4130	General Medical Conditions	3
AT 4160	Evidence Based Practice in Health Care	3

### Biology:

BIOL 2052	General Biology: Cell Structure and Function	4
BIOL 3101	Anatomy and Physiology I *	4
BIOL 3102	Anatomy and Physiology II	4

### Chemistry and Biochemistry:

CHEM 1110	General Chemistry I	4
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### Mathematics:

STAT 1772	Introduction to Statistical Methods	3
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### Physics:

PHYSICS 1511	General Physics I	4
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### Electives:

Select a minimum of 3 hours of the following: 3

### Athletic Training & Rehabilitation Studies:

AT 1018	Prevention and Care of Athletic Injuries	
AT 1019	Prevention and Care Laboratory	
AT 2000	Clinical Healthcare Experience (up to one credit can be applied as a major elective, after core requirement is fulfilled)	
AT 3300	Gross Human Anatomy	

### Public Health:

PH 1101	Introduction to Public Health	
PH 2130	Epidemiology of Human Diseases	

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PH 2160	Medical Terminology, Short Course	
PH 2420	Nutrition for Health Promotion**	
PH 3310/5310	Cultural Competency for the Helping Professions	
PH 3330/5330	Minority Health	
PH 3340/5340	International Health	
Kinesiology:		
KINES 3151	Biomechanics***	
KINES 3153	Physiology of Exercise	
KINES 3157	Sports Nutrition	
<b>Total Hours</b>		<b>51</b>

\* BIOL 3101 Anatomy and Physiology I prerequisites are not required for Athletic Training & Rehabilitation Studies majors.

\*\* PH 2420 has a prerequisite of PH 1410.

\*\*\* KINES 3151 has a prerequisite of KINES 2050 or equivalent.

## Kinesiology and Exercise Science Major

The Kinesiology and Exercise Science major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Completion of this program prepares students for careers or further study in Kinesiology and exercise science\* or related areas but not for endorsement in K-12 school settings.<sup>1</sup> To continue in the program and take 3000-level courses and above a student must have a C- or better in KINES 2050 Anatomy and Physiology of Human Movement. The student must maintain a cumulative 2.50 GPA in the major to graduate.<sup>2</sup>

Required core:

Athletic Training:		
AT 1018	Prevention and Care of Athletic Injuries	2
Physical Education Movement and Exercise Science:		
KINES 2050	Anatomy and Physiology of Human Movement	3
KINES 2053	Physical Activity and Nutrition for Health and Fitness	3
KINES 2056	Motor Learning and Development	3
KINES 3121	Sociology and Psychology of Physical Activity	3
KINES 3151	Biomechanics	3
KINES 3153	Physiology of Exercise	3
KINES 3154	Psychological Skills for Sport Participants	3
KINES 3155/5155	Exercise Physiology: Applications for Health and Human Performance	3
KINES 3156	Fitness Assessment and Programming	3

KINES 3157	Sports Nutrition	3
KINES 3163	Career and Professional Development	3
Select 3 hours from the following:		3
KINES 3192	Internship in Kinesiology	
KINES 3193	Research Experiences	
Select two of the following courses:		6
KINES 3186 ("Studies in", 3 hrs.)		
KINES 2025	Conditioning Theory and Practice	
KINES 2062	Developmental Trends in Physical Activity & Sport	
KINES 3122	Psycho-Social Aspects of Competitive Sport	
KINES 3125	Introduction to Sport Administration	
KINES 3160	Exercise for Clinical Populations	
KINES 4152	Adapted Physical Education	
<b>Total Hours</b>		<b>44</b>

- \* This major prepares students with a broad background in exercise science in the areas of individual and group exercise and fitness programs, strength and power development, coaching, youth sport, and sport psychology. This major also prepares students for graduate study in exercise science or sport psychology.
- <sup>1</sup> Completion of this program prepares students for careers or further study in movement and exercise science or related areas but not for endorsement in K-12 school settings.
- <sup>2</sup> To continue in the program and take 3000-level courses and above, a student must have a C- or better in KINES 2050 Anatomy and Physiology of Human Movement. A cumulative plan (major) GPA of 2.50 is required to do the culminating internship and to graduate.

## Physical Education-Teaching Major

The Physical Education-Teaching major requires a minimum of 120 total hours to graduate. This total includes UNIFI/General Education requirements, the Professional Education Requirements, and the following specified major requirements, plus electives to complete the minimum of 120 hours.

Completion of this program qualifies the student to be recommended for endorsements for Physical Education K-8 and Physical Education 5-12.

Current certifications in First Aid & Community CPR are required for assignment to student teach.

Disciplinary Knowledge core:

Physical Education:		
KINES 2050	Anatomy and Physiology of Human Movement	3
KINES 2053	Physical Activity and Nutrition for Health and Fitness	3
KINES 2056	Motor Learning and Development	3

KINES 3151	Biomechanics	3
KINES 3153	Physiology of Exercise	3
Pedagogical content:		
Physical Education:		
KINES 2030	Teaching Physical Education For Learning	3
KINES 2031	Teaching Physical Education with Technology	3
KINES 3174	Assessment Processes in Physical Education	3
KINES 3176	Administration and Curriculum Development in Physical Education	3
KINES 4152	Adapted Physical Education	3
KINES 4172	Elementary Physical Education Teaching Methods	3
KINES 4173	Secondary Physical Education Teaching Methods	3
Skill and Activity content:		
Physical Education:		
KINES 2015	Teaching Team/Individual Sports	3
KINES 2016	Teaching Lifetime Activities	3
KINES 2019	First Aid and CPR for Physical Educators	1
KINES 2021	Teaching Movement and Rhythmic Activities for Children	3
<b>Total Hours</b>		<b>46</b>

\* Students with a major in Physical Education-Teaching will substitute KINES 2031 Teaching Physical Education with Technology for LRNTECH 1031 Educational Technology and Design; KINES 4152 Adapted Physical Education for SPED 3150 Meeting the Needs of Diverse Learners in Classrooms; and KINES 3174 Assessment Processes in Physical Education for MEASRES 3150 Classroom Assessment in the Professional Education Requirements.

## Minors

### Athletic Training and Rehabilitation Studies Minor

The Athletic Training and Rehabilitation Studies minor is intended to complement existing majors by offering students a blend of foundational health care concepts and hands-on learning. The minor is designed for students considering a career in clinical health care or for those who would simply like to broaden their educational experience with a background in clinical healthcare.

The Athletic Training and Rehabilitation Studies minor requires a minimum of 15 hours to complete. This total includes 12 credits of required courses and three credits of electives offered within the Athletic Training and Rehabilitation Studies major. While pursuing this minor, students will have the opportunity to participate in clinical experiences while observing and learning alongside practicing health

care professionals such as athletic trainers, physical therapists, and other practitioners.

Students can declare this minor at any time throughout their academic progression once they are admitted to UNI. Although students should typically allow four semesters to complete the 15 credits, this can vary depending on course offerings and availability.

The first step is to submit the "Declaration of Curriculum" form, and indicating Athletic Training and Rehabilitation Studies minor. Then, students should contact a Department of Kinesiology & Athletic Training Academic Advisor.

Choose four of the following: 12

AT 1010	Introduction to Athletic Training & Clinical Healthcare	
AT 3020	Clinical & Gross Human Anatomy	
AT 3030	Acute Care	
AT 3040	Foundations of Orthopedic Injury Assessment & Pathology I	
AT 4070	Foundations of Therapeutic Interventions & Rehabilitation	
AT 4130	General Medical Conditions	

Elective (select a minimum of 3 hours of the following): 3

Athletic Training		
AT 1018	Prevention and Care of Athletic Injuries	
AT 1019	Prevention and Care Laboratory	
AT 3300	Gross Human Anatomy	
Public Health		
PH 1101	Introduction to Public Health	
PH 2130	Epidemiology of Human Diseases	
PH 2160	Medical Terminology, Short Course	
PH 2420	Nutrition for Health Promotion	
PH 3310/5310	Cultural Competency for the Helping Professions	
PH 3330/5330	Minority Health	
PH 3340/5340	International Health	

Kinesiology		
KINES 3151	Biomechanics	
KINES 3153	Physiology of Exercise	
KINES 3157	Sports Nutrition	

**Total Hours** 15

### Coaching Minor

Students who complete this program will qualify for the Department of Education coaching endorsement. The coaching endorsement is for grades K-12. However, this program does not qualify students to teach physical education at any level.

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Students who complete this program and are not teaching majors will qualify for the Department of Education coaching authorization.

Required:

Select one of the following: 3

EDPSYCH 2030 Dynamics of Human Development

PSYCH 2202 Developmental Psychology \*

Athletic Training:

AT 1018 Prevention and Care of Athletic Injuries 2

AT 1019 Prevention and Care Laboratory 1

Physical Education:

KINES 2025 Conditioning Theory and Practice 3

KINES 2050 Anatomy and Physiology of Human Movement 3

KINES 3118 Practicum in Coaching 1

KINES 3122 Psycho-Social Aspects of Competitive Sport 3

KINES 4217 Organization and Administration of Competitive Sports 3

Select one of the following electives: 3

KINES 3101 Coaching Theory and Skill Technique - Baseball/Softball

KINES 3102 Coaching Theory and Skill Technique - Basketball

KINES 3104 Coaching Theory and Skill Technique - Football

KINES 3107 Coaching Theory and Skill Technique -- Soccer

KINES 3111 Coaching Theory and Skill Technique - Track and Field

KINES 3112 Coaching Theory and Skill Technique - Volleyball

KINES 3113 Coaching Theory and Skill Technique - Individual Sports

**Total Hours** 22

**Note:** Students in teaching majors will complete EDPSYCH 2030 within the Professional Education Requirements. KINES 3118 Practicum in Coaching must be completed prior to student teaching.

\* PSYCH 2202 has prerequisite PSYCH 1001.

## School Health Education-Teaching

Current First Aid and CPR certification is required of all minors prior to student teaching.

With the appropriate choice of courses, the School Health Education Minor-Teaching leads to the following endorsements:

## 5-12 Health Endorsement #138

Methods course:

PH 3245 Secondary School Health Education Methods and Curriculum 3

Applied Human Sciences, School of:

FAM SERV 1057 Human Relationships and Sexuality 3

Public Health:

CAP/PH 3160 or PH 1101 Community and Public Health Introduction to Public Health 3

PH 2620 or EDPSYCH 4118/5118 Stress and Coping Mental Health and Well-Being in the Classroom 3

PH 3230 or PSYCH 3102/5102 or SW 4171/5171 Drug Prevention Education for School Health Educators Drugs and Individual Behavior Addictions Treatment 2-3

Kinesiology:

KINES 2053 or PH 1410 Physical Activity and Nutrition for Health and Fitness Basic Nutrition 3

KAHHS 1020 Dimensions of Wellbeing Lecture 1-2

or KAHHS 1030 Dimensions of Wellbeing Lab or PH 3670 Health Care and the Consumer

Electives: remaining hours of health-related electives for the 5-12 endorsement 5-7

Approved electives:

EDPSYCH 2030 Dynamics of Human Development

KINES 2019 First Aid and CPR for Physical Educators

KINES 2050 Anatomy and Physiology of Human Movement

KINES 3151 Biomechanics

KINES 3153 Physiology of Exercise

KINES 4152 Adapted Physical Education

Other electives approved by the Public Health program.

**Total Hours** 25

## K-8 Health Endorsement #137

Methods course:

KAHHS 2045 Health and Physical Education for Elementary Teachers 3

Applied Human Sciences, School of:

FAM SERV 1020 Family Relationships 3

Public Health:

CAP/PH 3160 or PH 1101 Community and Public Health Introduction to Public Health 3

PH 2620 or EDPSYCH 4118/5118 Stress and Coping Mental Health and Well-Being in the Classroom 3

PH 3230	Drug Prevention Education for School Health Educators	2-3
or PSYCH 3102/5102	Drugs and Individual Behavior	
or SW 4171/5171	Addictions Treatment	
Kinesiology:		
KINES 2053	Physical Activity and Nutrition for Health and Fitness	3
or PH 1410	Basic Nutrition	
KAHHS 1020	Dimensions of Wellbeing Lecture	1-2
or KAHHS 1030	Dimensions of Wellbeing Lab	
or PH 3670	Health Care and the Consumer	
Electives: Remaining hours of health-related electives for the K-8 endorsement		
Approved electives:		
EDPSYCH 2030	Dynamics of Human Development	
KINES 2019	First Aid and CPR for Physical Educators	
KINES 2050	Anatomy and Physiology of Human Movement	
KINES 3151	Biomechanics	
KINES 3153	Physiology of Exercise	
KINES 4152	Adapted Physical Education	
Other electives approved by the Public Health program.		
Total hours		26

### Sport Administration Minor

The minor in Sport Administration provides undergraduate students with a broad-based knowledge of the sport industry by offering interdisciplinary courses, thereby serving as valuable supplementary education that complements other majors. The academic preparation and practical training offered by this minor prepares students for a wide variety of sport-related careers.

Students must have a GPA of 2.5 to complete the minor.

Required:

Economics		
ECON 1031	Introduction to Business Economics	3
Kinesiology		
KINES 3125	Introduction to Sport Administration	3
KINES 3126	Sport Marketing	3
KINES 3127	Practicum in Sport Administration	1

Select one of the following two courses:

KINES 3121	Sociology and Psychology of Physical Activity	3
or KINES 3122	Psycho-Social Aspects of Competitive Sport	

Electives: 6		
Communication and Media		
COMM PR 4858/585	Sports Public Relations	
Marketing		

MKTG 2110	Principles of Marketing	
Leisure, Youth and Human Services		
RTNL 3130	Marketing in Recreation, Tourism and Nonprofit Leadership	
RTNL 3777/5777	Special Events Management	
RTNL 4310/5310	Areas and Facilities in Recreation, Tourism and Nonprofit Leadership	
RTNL 4776/5776	Eco, Adventure and Sport Tourism	
Kinesiology		
KINES 3186 Studies in Physical Education. Only the following are accepted: (1) Sport Event & Facility Management; (2) Communication and Leadership Skills for Coaches.		
KINES 4217	Organization and Administration of Competitive Sports	

**Total Hours 19**

### Strength and Conditioning Minor

The minor in Strength and Conditioning provides undergraduate students with an interdisciplinary knowledge about planning and designing training programs for a variety of athletes (e.g., high school athletes, professional athletes) and purposes (e.g., weight training, speed). This minor will also help prepare students for National Certification exams in Strength and Conditioning.

Students must have a GPA of 2.5 to complete the minor.

Required:

KINES 2019	First Aid and CPR for Physical Educators	1
KINES 2025	Conditioning Theory and Practice	3
KINES 2050	Anatomy and Physiology of Human Movement	3
KINES 2053	Physical Activity and Nutrition for Health and Fitness	3
KINES 3153	Physiology of Exercise	3
KINES 3201	Scientific Principles of Strength and Conditioning	3
KINES 3202	Strength and Conditioning Programming and Technique	3
KINES 3140	Practicum in Strength and Conditioning	1

**Total Hours 20**

### Master of Arts Degree Program

#### Major in Kinesiology and Sport Performance

This program is designed for those who wish to concentrate their study in the fields of coaching, sport performance, strength and conditioning, and corporate fitness.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to

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their MyUNiverse Student Center To-Do list or contact the the Department of Kinesiology for other application requirements. Graduate information and application for graduate admission can be found at <https://admissions.uni.edu/application>.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

**Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.**

This major is available on the **thesis** and **non-thesis** options. A thesis/ research paper defense is required. No comprehensive examination is required. Students selecting the thesis option will take 6 hours of research credits, and students selecting the non-thesis option will take 3 hours of research credits and 3 hours of practicum credits. This major requires a **minimum of 33 semester hours for the thesis and non-thesis options.**

Required:

Physical Education:

KINES 6251	Advanced Biomechanics	3
KINES 6253	Advanced Exercise Physiology	3
KINES 6289	Seminar in Kinesiology (take two times on different topics for a minimum of 6 hours)	6
KINES 6255	Motor Control and Learning	3
KINES 6222	Sport Psychology	3
KINES 6272	Principles of Sport Administration	3

Kinesiology, Allied Health and Human Services, Interdepartmental:

KAHHS 6210	Quantitative Methods in KAHHS (or equivalent)	3
KAHHS 6290	Research Methods for KAHHS	3

Research and Practicum:

Thesis option (Students selecting the thesis option will take 6 hours of research)		
KINES 6299	Research	
Non-thesis option (Students selecting the non-thesis option will take 3 hours of research AND 3 hours of practicum)		
KINES 6299	Research	
KINES 6297	Practicum	
Total hours		33

### Major in Physical Education: Pedagogy

The primary focus of this program is the study of teaching (pedagogy). This program does not lead to a teaching license in Physical Education.

Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNiverse Student Center To-Do list or contact the the Department of Kinesiology for other application requirements. Graduate information and application for graduate admission can be found at <https://admissions.uni.edu/application>.

To be eligible for admission to the graduate program, the candidate must have an undergraduate degree in teaching physical education or be currently licensed to teach physical education. Undergraduate students in the last semester of a bachelor degree in physical education PK-12 teaching may be provisionally accepted. Candidates note meeting these requirements may petition for special consideration for admission.

The Graduate Record Examination (General Test) **is not** required for admission to the program.

**Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.**

This major is available on the **non-thesis** option only. No comprehensive examination is required.

Required:

Measurement and Research/Kinesiology, Allied Health and Human Services, Interdepartmental:

KAHHS 6290	Research Methods for KAHHS	3
Choose one of the following:		3

MEASRES 6205	Educational Research	
KAHHS 6210	Quantitative Methods in KAHHS	
KAHHS 6215	Qualitative Methods	

Physical Education:

KINES 6230	Curriculum Theory and Design in Physical Education	3
KINES 6231	Effective Teaching and Behavioral Management in Physical Education	3
KINES 6273	Contemporary and Inclusive Issues in Physical Education	3
KINES 6240	Advanced Adapted Physical Education	3
KINES 6241	Advanced Assessment in Physical Education	3

Non-Thesis Research: 3

KINES 6299	Research	
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Electives from the following courses: 6

KINES 6222	Sport Psychology	
KINES 6251	Advanced Biomechanics	
KINES 6255	Motor Control and Learning	
KINES 6285	Readings in Kinesiology	
KINES 6289	Seminar in Kinesiology ((Maximum 12 hours on different topics))	

Total Hours 30

## Master of Athletic Training Degree

### Academic Standard Policy

#### Major Requirements

**General Explanation:** UNI offers a Professional Graduate Athletic Training major or a Master of Athletic Training (MATR), which is accredited by the Commission on Accreditation of Athletic Training

Education (CAATE). Students interested in pursuing this major must apply and be formally admitted to this program. Students should apply for the Master of Athletic Training program through the Graduate College and Admissions. Program admission is based on undergraduate GPA, completion of prerequisite courses, program application materials, and admission to the Graduate College. Students interested in this program must submit a completed Application for Admission to Graduate Study and should refer to their MyUNIverse Student Center To-Do list or contact the Athletic Training (within the Department of Kinesiology & Athletic Training) for program application materials or for any other application requirements. Graduate information and application for graduate study admission can be found at <https://admissions.uni.edu/application>. Applications will begin to be reviewed no later than October 1 of each year.

The Master of Athletic Training curriculum is offered as a 2-year standalone plan, as well as a 3+2 combined plan with the B.A. in Athletic Training & Rehabilitation Studies degree. The 3+2 program is highly demanding and has a strict curricular plan that must be followed in order for students to complete both an undergraduate and graduate degree in five years. Athletic training faculty advisors will work closely with students to ensure successful progression. Students will apply to the MATR program in the fall of year three. With admission to the MATR program, the courses that will be applied to the master's degree will begin in the summer following year three. Students will complete their master's degree after completion of the spring semester of year five. Although the entry points will differ between the 2-year standalone and 3+2 students, the curriculum will be the same and the students will complete the graduate program as a cohort, regardless of entrypoint. **Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.** Students must contact the athletic training program director for more information regarding which plan of study is best for them.

1. **Prerequisite courses required:** A Bachelor's degree must be earned prior to entry into the Master of Athletic Training. Additional prerequisite undergraduate courses (or equivalent) include: General Biology: Cell Structure & Function; General Chemistry I; Physics I; Statistics; Developmental Psychology, Abnormal Psychology OR Dynamics of Development; and Anatomy and Physiology Physiology I & II with a laboratory components. A grade of a C or better must be attained in all prerequisite courses. All pre-requisite courses must have been completed within last 10 years.
2. **Application requirements for all students:** To be admitted to the UNI Master of Athletic Training Program, students must complete the application process. The following list of items are required as part of the application process. *Students are responsible for all costs associated with application process.*
  - a. Achieved a bachelor's degree
  - b. Completion of course prerequisites as listed above
  - c. Application forms: UNI Admissions Office
  - d. 50 hours of athletic training observation experience
  - e. Technical standards form
  - f. Criminal background check
  - g. For international students whose native language is not English, official TOEFL scores are required unless a

baccalaureate degree was completed at a university or college where the primary language of instruction is English.

- h. Undergraduate cumulative GPA of 3.0 or greater
  - i. Personal statement
  - j. Three letters of recommendation
3. **Application Process:**
  - a. Obtain the application documents from the Admissions website
  - b. Submit all materials to Graduate Admissions
  - c. Students must be admitted prior to the beginning of the summer session in order to join that year's cohort
4. A committee of faculty, staff, and students will be assigned to the acceptance committee and will review the applications.
5. Upon acceptance into the Master of Athletic Training program, a student must do the following within 30 days of notification of acceptance:
  - a. Send a letter of acceptance via email to the Athletic Training Graduate Program Director.
  - b. Begin the Hepatitis B Vaccination series or sign the waiver form.
  - c. Complete all other paper work available at the AT program office.
  - d. Maintain current CPR, OSHA, and First Aid certifications and child mandatory reporter training.
  - e. Become a student member of the NATA (\$80/year)
  - f. Maintain professional liability insurance (\$38/year)
6. To graduate from UNI with a Master of Athletic Training major, students must:
  - a. Maintain a 3.00 cumulative GPA and 3.00 major GPA
  - b. Complete a clinical experience each semester
  - c. Complete the Master of Athletic Training academic major. This includes that a student be enrolled in the athletic training program for a minimum of four semesters.
7. All other program information is available at the athletic training program office (003 HPC) or our website [www.uni.edu/athletic-training](http://www.uni.edu/athletic-training).

## Athletic Training Major

The Master of Athletic Training major requires a minimum of 54 total hours to graduate.

The Master of Athletic Training major is designed to prepare students to become athletic training professionals. It prepares students for the Board of Certification Examination as well as eligibility for an Athletic Training State License Credential. The curriculum is based upon cognitive and psychomotor learning experiences. The athletic training program is accredited by the Commission on the Accreditation of Athletic Training Education (CAATE).

The Graduate Record Examination (General Test) is **not** required for admission to the program.

**Only graduate courses (course numbers 5000 or above) will apply to a graduate degree, even if the undergraduate course number (4999 or less) is listed. No exceptions will be made.**

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This degree is offered on the **non-thesis** option. Acceptable non-thesis projects include critically appraised topics, interrelated series of research proposals, conducting an empirical study, or a problem-based analysis of the literature, each of which require an extensive writing component.

A **minimum of 54 semester credit hours** is required. The non-thesis option requires 3 hours of AT 6299. **A minimum of 21 semester hours at the 6000-level is required.**

A cumulative grade index of 3.00 (B average) must be earned in all courses required for the degree or applying to the degree. No more than six (6) semester hours of C credit (C+, C, C-) may be applied toward credit for graduation. When C- range grades on the advisement report exceed the six hour limit, one or more of such courses *must* be repeated. A course taken to satisfy degree requirements in which a student receives a D+, D, D- F or NC grade will not be considered satisfactory and *must* be repeated. **The original course grade will remain on the student record, and the grade of the second course attempt will be used in the computation of the GPA.**

Prerequisite Core:		26
BIOL 2052	General Biology: Cell Structure and Function	4
BIOL 3101	Anatomy and Physiology I (or equivalent)	4
BIOL 3102	Anatomy and Physiology II (or equivalent)	4
CHEM 1110	General Chemistry I	4
PHYSICS 1511	General Physics I	4
STAT 1772	Introduction to Statistical Methods	3
PSYCH 1001	Introduction to Psychology	3
Athletic Training Courses:		
AT 6000	Integrated Clinical Experiences (minimum 11 hours, but may be repeated for a maximum of 13 hours over 4-6 semesters)	11-13
AT 4030/5030	Advanced Acute Care in Athletic Training	3
AT 4032/5032	Advanced Acute Care Clinical Skills	1
AT 6060	Athletic Training Organization & Professional Responsibility	3
AT 4270/5270	Advanced Therapeutic Interventions I	3
AT 4072/5072	Advanced Therapeutic Interventions I Clinical Skills	1
AT 6080	Advanced Therapeutic Interventions II	3
AT 6082	Advanced Therapeutic Interventions II Clinical Skills	1
AT 4100/5100	Advanced Clinical Anatomy	3
AT 6130	General Medical Assessment & Intervention	3
AT 4550/5550	Advanced Athletic Training Clinical Skills	2

AT 4210/5210	Pathoetiology and Orthopaedic Assessment I	3
AT 4215/5215	Pathoetiology and Orthopaedic Assessment I Clinical Skills	1
AT 6220	Pathoetiology and Orthopaedic Assessment II	3
AT 6225	Pathoetiology and Orthopaedic Assessment II Clinical Skills	1
AT 6255	Health Assessment & Preventive Practices	3
AT 6260	Gross Human Anatomy & Orthopedic Surgical Interventions	3
AT 6275	Mental Health Care in Athletic Training Practice	3
Research: 3 credit hours (Non-thesis)		
AT 6299	Research	3
<b>Total hours</b>		<b>54-56</b>

## Program Certificates

The University of Northern Iowa makes available, in addition to traditional programs, the opportunity for students to earn program certificates. Program certificates provide an alternative to programs leading to a degree, a major, or a minor; they certify that an individual has completed a program approved by the university. For information on the following program certificates, contact the Department of Kinesiology & Athletic Training or the Office of the Registrar, which serves as the centralized registry.

### Certificate in Adapted Physical Education

The certificate in Adapted Physical Education will prepare teachers to work with children with disabilities in physical education environments as they complete their Master of Arts in Physical Education Pedagogy. This certificate will also help prepare for National Certification exams in Adapted Physical Education. Students must have a GPA of 3.0 to complete the certificate.

Required:

KINES 6231	Effective Teaching and Behavioral Management in Physical Education	3
KINES 6240	Advanced Adapted Physical Education	3
KINES 6241	Advanced Assessment in Physical Education	3
KINES 6273	Contemporary and Inclusive Issues in Physical Education	3

**Total Hours** **12**

### Certificate in Corporate Fitness

Required:

Physical Education:

KINES 2050	Anatomy and Physiology of Human Movement	3
KINES 3153	Physiology of Exercise	3



KINES 3156	Fitness Assessment and Programming	3
<b>Public Health:</b>		
PH 3640/5640	Worksite Health Promotion	3
<b>Electives (choose one from the following):</b>		
KINES 3157	Sports Nutrition *	3
PH 1410	Basic Nutrition	
<b>Total Hours</b>		<b>15</b>

\* KINES 3157 has a prerequisite of KINES 2053 and KINES 3153. Prerequisite for Athletic Training majors: AT 3020.

### Certificate in Exercise Science for Health Professionals

This certificate in Exercise Science for Health Professionals provides undergraduate students with knowledge about planning and designing exercise programs for special populations such as older adults, children, obesity, diabetes, CVD, cancer, anxiety, depression, osteoporosis, multiple sclerosis, COPD, PAD, arthritis, and musculoskeletal injuries.

Required:

KINES 2050	Anatomy and Physiology of Human Movement	3
KINES 3151	Biomechanics	3
KINES 3153	Physiology of Exercise	3
KINES 3160	Exercise for Clinical Populations	3
<b>Total Hours</b>		<b>12</b>

### Athletic Training and Rehabilitation Studies, B.A.

Outcome 1: Critical Thinking

Graduates will demonstrate critical thinking through the ability to evaluate, analyze, and integrate information from a variety of sources in order to develop reasoned positions and solutions to problems

Outcome 2: Communication

Graduates will display competence in verbal and written communication, as appropriate for those furthering their education in an allied healthcare field

Outcome 3: Content Knowledge

Graduates will demonstrate knowledge and skills relevant to those who are seeking to further their education in an allied healthcare field

### Kinesiology and Exercise Science, B.A.

Outcome 1 - Program content Knowledge and Skills: Students can describe and apply concepts and principles of human movement.

Outcome 2 - Communication: Students can demonstrate effective verbal and written communication, as appropriate to Exercise Science.

Outcome 3 - Critical Thinking: Students can critically analyze and apply theory and human movement concepts to professional experiences.

### Physical Education Teaching, B.A.

Outcome 1 - Critical Thinking: Students will demonstrate critical thinking through the ability to evaluate, analyze, and integrate information from a variety of sources in order to develop reasoned positions and solutions to problems.

Outcome 2 - Communication: Students will display competence in oral communication during physical education teaching experiences.

Outcome 3 - Content Knowledge: Students will demonstrate discipline-specific knowledge and skills in their major fields of study.

### Kinesiology and Sport Performance, M.A.

Outcome 1 - Program content Knowledge and Skills: Students can apply best practice knowledge to profession specific contexts in the field of Exercise Science.

Outcome 2 - Critical Thinking: Students can conduct research, integrate information from a variety of scientific sources and critically draw relevant conclusions in the culminating research project.

Outcome 3 - Communication: Students can demonstrate competence in oral and written communication, as appropriate for Exercise Science.

### Physical Education: Pedagogy, M.A.

Outcome 1 - Program content Knowledge and Skills: Students can apply best practice knowledge to profession specific contexts in the field of Physical Education.

Outcome 2 - Critical Thinking: Students can conduct research, integrate information from a variety of scientific sources and critically draw relevant conclusions in the culminating research project.

Outcome 3 - Communication: Students can demonstrate competence in oral and written communication, as appropriate for Physical Education Pedagogy.

### Athletic Training and Rehabilitation Studies, B.A.

This is a sample plan of study with a suggested sequencing of classes for the major. University electives may be applied to earn additional academic majors, minors, or certificates. Students should regularly meet with their academic advisor to plan their specific semester schedule to include UNIFI/General Education program and/or university elective hours required.

Course	Title	Hour
<b>Freshman</b>		
<b>Fall</b>		
BIOL 2052	General Biology: Cell Structure and Function	4
AT 1010	Introduction to Athletic Training & Clinical Healthcare	3
AT 2000	Clinical Healthcare Experience	1
CHEM 1110	General Chemistry I	4
UNIFI/General Education or University Electives		3
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
AT 3020	Clinical & Gross Human Anatomy	3
AT 2000	Clinical Healthcare Experience	1

## Kinesiology & Athletic Training

STAT 1772	Introduction to Statistical Methods	3
UNIFI/General Education or University Electives		9
<b>Hours</b>		<b>16</b>
<b>Sophomore</b>		
<b>Fall</b>		
BIOL 3101	Anatomy and Physiology I	4
AT 2000	Clinical Healthcare Experience	1
UNIFI/General Education or University Electives		9
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
BIOL 3102	Anatomy and Physiology II	4
AT 2000	Clinical Healthcare Experience	1
AT 3030	Acute Care	3
UNIFI/General Education or University Electives		7
<b>Hours</b>		<b>15</b>
<b>Junior</b>		
<b>Fall</b>		
AT 2000	Clinical Healthcare Experience	1
AT 3040	Foundations of Orthopedic Injury Assessment & Pathology I	3
PHYSICS 1511	General Physics I	4
UNIFI/General Education or University Electives		7
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
AT 2000	Clinical Healthcare Experience	1
AT 3050	Foundations of Orthopedic Injury Assessment & Pathology II	3
Major Electives		3
UNIFI/General Education or University Electives		8
<b>Hours</b>		<b>15</b>
<b>Senior</b>		
<b>Fall</b>		
AT 2000	Clinical Healthcare Experience	1
AT 4070	Foundations of Therapeutic Interventions & Rehabilitation	3
UNIFI/General Education or University Electives		11
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
AT 2000	Clinical Healthcare Experience	1
AT 4130	General Medical Conditions	3
AT 4160	Evidence Based Practice in Health Care	3
UNIFI/General Education or University Electives		8
<b>Hours</b>		<b>15</b>
<b>Total Hours</b>		<b>120</b>

## Kinesiology and Exercise Science, B.A.

This is a sample plan of study with a suggested sequencing of classes for the major. University electives may be applied to earn additional academic majors, minors, or certificates. Students should regularly meet with their academic advisor to plan their specific semester schedule to include UNIFI/General Education program and/or university elective hours required.

Course	Title	Hour
<b>Freshman</b>		
<b>Fall</b>		
UNIFI/General Education or University Electives		15
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
UNIFI/General Education or University Electives		15
<b>Hours</b>		<b>15</b>
<b>Sophomore</b>		
<b>Fall</b>		
KINES 2053	Physical Activity and Nutrition for Health and Fitness	3
UNIFI/General Education or University Electives		13
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
KINES 2050	Anatomy and Physiology of Human Movement (C- or higher required)	3
UNIFI/General Education or University Electives		12
<b>Hours</b>		<b>15</b>
<b>Junior</b>		
<b>Fall</b>		
AT 1018	Prevention and Care of Athletic Injuries	2
KINES 2056	Motor Learning and Development	3
Select one of the following: KINES 2025, KINES 3122, KINES 3125, PEMES 3186, KINES 4152		3
UNIFI/General Education or University Electives		8
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
KINES 3153	Physiology of Exercise	3
KINES 3163	Career and Professional Development	3
KINES 3121	Sociology and Psychology of Physical Activity	3
KINES 3154	Psychological Skills for Sport Participants	3
UNIFI/General Education or University Electives		4
<b>Hours</b>		<b>16</b>
<b>Senior</b>		
<b>Fall</b>		
KINES 3156	Fitness Assessment and Programming	3
KINES 3151	Biomechanics (or KINES 3158 Clinical Biomechanics)	3
KINES 3157	Sports Nutrition	3
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
KINES 3155/5155	Exercise Physiology: Applications for Health and Human Performance	3
KINES 3192	Internship in Kinesiology	4
KINES 3191	Senior Project	2
UNIFI/General Education or University Electives		3
<b>Hours</b>		<b>12</b>
<b>Total Hours</b>		<b>120</b>

## Physical Education Teaching, B.A.

This is a sample plan of study with a suggested sequencing of classes for the major. University electives may be applied to earn additional academic majors, minors, or certificates. Students should regularly

meet with their academic advisor to plan their specific semester schedule to include UNIFI/General Education program and/or university elective hours required.

Course	Title	Hour
<b>Freshman</b>		
<b>Fall</b>		
KINES 2015	Teaching Team/Individual Sports	3
UNIFI/General Education or University Electives		12
<b>Hours</b>		<b>15</b>
<b>Spring</b>		
KINES 2016	Teaching Lifetime Activities	3
KINES 2053	Physical Activity and Nutrition for Health and Fitness	3
UNIFI/General Education or University Electives		9
<b>Hours</b>		<b>15</b>
<b>Sophomore</b>		
<b>Fall</b>		
TEACHING 2017	Level 1 Field Experience: Exploring Teaching	1
EDPSYCH 2030	Dynamics of Human Development	3
KINES 2019	First Aid and CPR for Physical Educators	1
KINES 2030	Teaching Physical Education For Learning	3
KINES 2031	Teaching Physical Education with Technology	3
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>17</b>
<b>Spring</b>		
KINES 2056	Motor Learning and Development	3
KINES 2050	Anatomy and Physiology of Human Movement	3
KINES 2021	Teaching Movement and Rhythmic Activities for Children	3
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>15</b>
<b>Junior</b>		
<b>Fall</b>		
TEACHING 3128	Level 2 Field Experience: Lesson Planning and Instruction	1
EDPSYCH 3148	Learning and Motivation in Classroom Contexts	3
KINES 3151	Biomechanics	3
KINES 3174	Assessment Processes in Physical Education	3
UNIFI/General Education or University Electives		6
<b>Hours</b>		<b>16</b>
<b>Spring</b>		
KINES 3153	Physiology of Exercise	3
KINES 4152	Adapted Physical Education	3
KINES 3176	Administration and Curriculum Development in Physical Education	3
UNIFI/General Education or University Electives		7
<b>Hours</b>		<b>16</b>

**Senior**

<b>Fall</b>		
SOCFOUND 3119	Schools and American Society	3
KINES 4172	Elementary Physical Education Teaching Methods	3
KINES 4173	Secondary Physical Education Teaching Methods	3
TEACHING 4170/5170	Human Relations: Awareness and Application	3
UNIFI/General Education or University Electives		2
<b>Hours</b>		<b>14</b>
<b>Spring</b>		
TEACHING 3140	Special Area Teaching: Art, ESL, Music, and Physical Education	12
<b>Hours</b>		<b>12</b>
<b>Total Hours</b>		<b>120</b>

\* \* Must receive a 'C' or higher in KINES 4172 and KINES 4173.

\*\* \*\* Must have a 2.5 cumulative GPA to student teach and graduate.

## Athletic Training Courses

### AT 1010. Introduction to Athletic Training & Clinical Healthcare — 3 hrs.

Introduction to healthcare professions with emphasis on practice guidelines, policies and procedures, risk management, roles and responsibilities of healthcare professionals, and common illnesses and injuries. (Variable)

### AT 1018. Prevention and Care of Athletic Injuries — 2 hrs.

Provides foundational athletic training content that is pertinent for students preparing to enter the athletic coaching or physical education field. Emphasis placed on orthopedic injury description, prevention, treatment, and recovery. Prerequisite(s): KINES 2050 or AT 3020. (Fall, Spring, Summer)

### AT 1019. Prevention and Care Laboratory — 1 hr.

Laboratory experiences in athletic injury prevention and care including taping and wrapping. Prerequisite(s) or corequisite(s): AT 1018. (Fall and Spring)

### AT 2000. Clinical Healthcare Experience — 1 hr.

Practical experience in health care settings. May be repeated for maximum of 8 hours. (Fall and Spring)

### AT 3000. Athletic Training Clinical Integration — 1-2 hrs.

Entry-level educational experiences in athletic training knowledge and skills including: 1) skill competencies tied to athletic training coursework, 2) clinical experience, 3) completion of clinical integration proficiencies, and 4) comprehensive learning. This course is to be taken over a minimum of four semesters and will include a clinical experience during each semester. (May be repeated for maximum of 8 hours). (Fall and Spring)

### AT 3010. Athletic Training Terminology — 1 hr.

The content delivered in this course will allow students to gain knowledge specific to musculoskeletal human anatomy and injury terminology. Prerequisite(s): AT 1010. (Summer)

## Kinesiology & Athletic Training

### **AT 3011. Clinical Skills in Athletic Training — 1 hr.**

Didactic and psychomotor skills instruction with practical examinations covering the material necessary to begin the athletic training clinical experience (AT 3000 Clinical Integration). (Summer)

### **AT 3020. Clinical & Gross Human Anatomy — 3 hrs.**

Clinically relevant anatomy of the human body which includes palpation, range of motion assessment, neurological testing, structure identification and function, as well as prosected gross human anatomy structure identification. (Spring)

### **AT 3030. Acute Care — 3 hrs.**

Foundational theory, ethics, components, indications, and psychomotor skills of acute and emergency care. (Variable)

### **AT 3031. Acute Care Clinical Skills — 2 hrs.**

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3030. Prerequisite(s): AT 1010; Corequisite(s): AT 3030. (Fall)

### **AT 3040. Foundations of Orthopedic Injury Assessment & Pathology I — 3 hrs.**

Foundational recognition and understanding of injuries and conditions occurring to the lower extremities. Prerequisite(s): AT 3020 or consent of instructor. (Variable)

### **AT 3042. Injury Assessment Clinical Skills I — 2 hrs.**

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3040. Prerequisite(s): AT 3020. Corequisite(s): AT 3040. (Fall)

### **AT 3050. Foundations of Orthopedic Injury Assessment & Pathology II — 3 hrs.**

Foundational recognition and understanding of injuries and conditions occurring to the upper extremities, torso, axial skeleton, and head. Prerequisite(s): AT 3040 or consent of instructor. (Variable)

### **AT 3052. Injury Assessment Clinical Skills II — 2 hrs.**

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3050. Prerequisite(s): AT 3040. Corequisite(s): AT 3050. (Spring)

### **AT 3060. Athletic Training Administration and Professional Development — 3 hrs.**

Entry-level theoretical and practical study of organization, administration, and professional development and responsibility in the field of athletic training. Prerequisite(s): AT 1010; junior standing. (Variable)

### **AT 3072. Therapeutic Interventions Clinical Skills I — 1 hr.**

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3070. Prerequisite(s): AT 1010; AT 3011; AT 3020; junior standing. Corequisite(s): AT 3070. (Fall)

### **AT 3080. Therapeutic Interventions II — 3 hrs.**

Entry-level study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions of the physically active. Prerequisite(s): AT 3070; AT 3020; junior standing. (Variable)

### **AT 3082. Therapeutic Interventions Clinical Skills II — 1 hr.**

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 3080. Prerequisite(s): AT 3020; AT 3070; junior standing. Corequisite(s): AT 3080. (Spring)

### **AT 3091. Foundations of Pharmacology — 3 hrs.**

Effects, indications, and contraindications of common therapeutic medications as it relates to general medical conditions. Prerequisite: department consent. (Variable)

### **AT 3110. Psychological Considerations for Athletic Injuries and Rehabilitation — 2 hrs.**

Understanding of psychological considerations associated with athletic injury including athletic training scope of practice, recognition/intervention, motivation, and common conditions. Prerequisite(s) or corequisite(s): AT 3040. (Variable)

### **AT 3120. Clinical Decision Making in Athletic Training and Orthopedic Pathology I — 3 hrs.**

Entry-level study of the pathology of lower body orthopedic injuries and conditions that are commonly seen by certified athletic trainers and the process of making clinical decisions based on an understanding of evidence based athletic training relative to the type and severity of injury. Clinical decisions specific to orthopedic injury include: immediate care, recognition, diagnostic criteria, referral, and prognosis. (Fall)

### **AT 3125. Clinical Decision Making in Athletic Training & Orthopedic Pathology II — 3 hrs.**

Entry-level study of the pathology of upper body orthopedic injuries and conditions that are commonly seen by certified athletic trainers and the process of making clinical decisions based on an understanding of evidence based athletic training relative to the type and severity of injury. Clinical decisions specific to orthopedic injury include: immediate care, recognition, diagnostic criteria, referral, and prognosis. (Spring)

### **AT 3250. Preventive Health Care Techniques — 3 hrs.**

Theoretical and practical study of strategies and programs to prevent the incidence and/or severity of injuries and illnesses and optimize the overall health and quality of life of patients. This includes nutrition and physical activity in maintaining a healthy lifestyle and preventing chronic disease. Prerequisite(s): AT 3011; AT 3020; AT 3030; AT 3050; junior standing. (Variable)

### **AT 3300. Gross Human Anatomy — 3 hrs.**

The exploration of human anatomy through human cadaver dissection. Prerequisite(s): Consent of AT Program. (Variable)

### **AT 4030/5030. Advanced Acute Care in Athletic Training — 3 hrs.**

The theory, ethics, components, indications, and psychomotor skills of emergency care in athletic training. Evidence-based research and practices are explored in relation to standard practices. Prerequisite(s): Admission into the Professional Masters Athletic Training program. (Variable)

### **AT 4032/5032. Advanced Acute Care Clinical Skills — 1 hr.**

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 4030/5030. Prerequisite(s): Admission into the M.ATR. program. (Variable)

### **AT 4070. Foundations of Therapeutic Interventions & Rehabilitation — 3 hrs.**

Foundational study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions. Prerequisite(s): AT 3050 or consent of instructor. (Fall)

### **AT 4072/5072. Advanced Therapeutic Interventions I Clinical Skills — 1 hr.**

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 4270/5270. Prerequisite(s): Admission into the M.ATR. program. (Variable)

### **AT 4100/5100. Advanced Clinical Anatomy — 3 hrs.**

Didactic and psychomotor skills instruction with practical examinations covering the material necessary to begin the athletic

training clinical experience, and clinical anatomy of the human body including palpation, range of motion, and structure identification and function. Prerequisite(s): Admission into the Master of Athletic Training program. (Variable)

**AT 4130. General Medical Conditions — 3 hrs.**

Foundational study of general medical conditions and disabilities commonly seen by healthcare providers. Prerequisite(s): AT 3020. (Variable)

**AT 4140. Current Trends in Athletic Training — 2 hrs.**

Discussion of current topics and trends in the clinical practice and professional development of athletic training. Prerequisite(s): AT 3050. (Fall)

**AT 4150. Athletic Training Seminar — 2 hrs.**

Resume writing, interviewing, and a comprehensive review of the athletic training educational competencies. Prerequisite(s): AT 3060; senior standing. (Spring)

**AT 4160. Evidence Based Practice in Health Care — 3 hrs.**

This course will provide an in-depth analysis of the concept and process of evidence-based decision making as it applies to health care. The concept de-emphasizes sole reliance on non-systematic approaches such as intuition, experience, and mechanism based reasoning as justification for making clinical decisions, and emphasizes the incorporation of science, systematic outcomes assessment, and patient values into the process. Students will learn the skills and the application of formal rules of evidence in reviewing clinical research and assessing patient outcomes. Students will search and review current literature, including experimental and observation research, case studies, position statements, comprehensive reviews, and clinical guidelines that are directed toward the treatment and rehabilitation of musculoskeletal injuries. Prerequisite(s): junior standing. (Spring)

**AT 4210/5210. Pathoetiology and Orthopaedic Assessment I — 3 hrs.**

In-depth study of pathological, etiological, and neuromuscular mechanisms of musculoskeletal injuries with emphasis on advanced orthopaedic assessment techniques of the lower body. Prerequisite(s): Admission into the Master of Athletic Training program. (Variable)

**AT 4215/5215. Pathoetiology and Orthopaedic Assessment I Clinical Skills — 1 hr.**

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 4210/5210. Prerequisite(s): Admission into the M.A.T.R. program. (Variable)

**AT 4270/5270. Advanced Therapeutic Interventions I — 3 hrs.**

Advanced study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions of the physically active. Prerequisite(s): AT 4100/5100; AT 4550/5550. (Variable)

**AT 4550/5550. Advanced Athletic Training Clinical Skills — 2 hrs.**

Didactic and psychomotor skills instruction with practical examinations covering the material necessary to begin the athletic training clinical experience. Prerequisite(s): Admission into the M.A.T.R. program. (Variable)

**AT 6000. Integrated Clinical Experiences — 1-4 hrs.**

Comprehensive educational experiences in athletic training psychomotor and cognitive domains, and clinical proficiencies to be supervised/mentored in multiple practicum sections through athletic training field experiences, integrated teaching lab activities, and skills-based assessment. May be repeated; 11 credit hours required, may

be repeated up to 13 credit hours. Prerequisite(s): Admission into the Masters Athletic Training program. (Fall, Spring, Summer)

**AT 6060. Athletic Training Organization & Professional Responsibility — 3 hrs.**

Theoretical and practical study of organization, administration, and professional development and responsibility in the field of athletic training. Prerequisite(s): Admission into M.A.T.R. program. (Variable)

**AT 6080. Advanced Therapeutic Interventions II — 3 hrs.**

Advanced study of the effects, advantages, disadvantages, indications, contraindications, precautions, and the application parameters of therapeutic interventions of the physically active. Prerequisite(s): AT 4270/5270. (Variable)

**AT 6082. Advanced Therapeutic Interventions II Clinical Skills — 1 hr.**

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 6080. Prerequisite(s): Admission into the M.A.T.R. program. (Variable)

**AT 6130. General Medical Assessment & Intervention — 3 hrs.**

Study of general medical conditions and disabilities commonly seen by certified athletic trainers. Prerequisite(s): Admission into M.A.T.R. program. (Variable)

**AT 6220. Pathoetiology and Orthopaedic Assessment II — 3 hrs.**

In-depth study of pathological, etiological, and neuromuscular mechanisms of musculoskeletal injuries with emphasis on advanced orthopaedic assessment techniques of the upper body. Prerequisite(s): Admission into the Master of Athletic Training program. (Variable)

**AT 6225. Pathoetiology and Orthopaedic Assessment II Clinical Skills — 1 hr.**

Didactic and psychomotor skill instruction with practical examinations covering the material taught in AT 6220. Prerequisite(s): Admission into the M.A.T.R. program. (Variable)

**AT 6240. Evidence Based Practice I — 3 hrs.**

In-depth analysis of current literature, research, case studies, and techniques directed toward the treatment and prevention of musculoskeletal injuries to the upper body of the physically active. Prerequisite(s): NATABOC certification; admission into the athletic training graduate program. (Variable)

**AT 6250. Evidence Based Practice II — 2 hrs.**

In-depth analysis of current literature, research, case studies, and techniques directed toward the treatment and prevention of musculoskeletal injuries to the lower body of the physically active. Prerequisite(s): NATABOC certification; admission into the athletic training graduate program. (Odd Falls)

**AT 6255. Health Assessment & Preventive Practices — 3 hrs.**

Advanced theoretical and practical study of strategies and programs to prevent the incidence and/or severity of injuries and illnesses and optimize the overall health and quality of life of patients. This includes nutrition and physical activity in maintaining a healthy lifestyle and preventing chronic disease. Prerequisite(s): Admission to the M.A.T.R. program. (Variable)

**AT 6260. Gross Human Anatomy & Orthopedic Surgical Interventions — 3 hrs.**

Exploration of human anatomy through human cadaver dissection, along with an in-depth study of pathological, biomechanical, and neuromuscular mechanisms of musculoskeletal injuries and the study of orthopedic surgical interventions commonly performed for musculoskeletal injuries. Prerequisite(s): Admission to the M.A.T.R. program. (Variable)

## Kinesiology & Athletic Training

### **AT 6275. Mental Health Care in Athletic Training Practice — 3 hrs.**

This course promotes the understanding of mental health care as it relates to athletic training practice and the coordination of care as it pertains to athletic training patients. The focus of this course includes the understanding of mental health disorders, diagnostic criteria, appropriate referral to qualified health care providers, and treatment options. The course will also address patient response to orthopedic injury and its interdependent relationship with activity limitations and participation restrictions. Prerequisite(s): Admission to the M.ATR. program. (Variable)

### **AT 6289. Seminar in Athletic Training — 1-8 hrs.**

Special topics in athletic training and/or other allied health professions as indicated in the Schedule of Classes. May be repeated for credit. Prerequisite(s): Admission to the M.ATR. program. (Fall and Spring)

### **AT 6297. Practicum — 1-4 hrs.**

Practical experience in athletic training which includes, but is not limited to teaching, research, and clinical practice. May be repeated for maximum of 8 hours. Prerequisite(s): Admission to the M.ATR. program. (Fall and Spring)

### **AT 6300. Advanced Gross Human Anatomy — 3 hrs.**

The exploration of human anatomy through human cadaver dissection. Prerequisite(s): consent of AT Program. (Variable)

### **AT 7310. Critical Theories and Practices in Rehabilitation — 3 hrs.**

In-depth examination of current theories and practices relevant to the field of athletic training. Building on foundational theory, students will analyze and critique the clinical practices and philosophies of certified athletic trainers and/or other allied health professionals. Prerequisite(s): Admission to the M.ATR. program. (Variable)

### **AT 7320. Clinical Teaching Skills in Allied Health Professions — 3 hrs.**

Examination of issues and problems in teaching clinical proficiencies including the roles of clinical instructors, factors affecting teaching and the learning environment, learning over time, course planning, and teaching strategies. Prerequisite(s): Admission to the M.ATR. program. (Variable)

## Kinesiology Courses

### **KINES 2015. Teaching Team/Individual Sports — 3 hrs.**

Primarily for majors in Physical Education- Teaching with an emphasis on developing skills related to teaching team and individual sports. (Fall)

### **KINES 2016. Teaching Lifetime Activities — 3 hrs.**

Primarily for majors in Physical Education- Teaching with an emphasis on developing skills related to teaching lifetime activities. (Spring)

### **KINES 2019. First Aid and CPR for Physical Educators — 1 hr.**

First aid skills for injuries and sudden illness, CPR for adult, child, and infant and AED to prepare physical education major students to teach these in K-12 schools. (Variable)

### **KINES 2021. Teaching Movement and Rhythmic Activities for Children — 3 hrs.**

Developmentally-appropriate physical activities designed to promote the development, refinement, and utilization of fundamental movement actions and concepts during the early through late childhood years. Strategies for selecting and delivering

appropriate activities to children. Prerequisite(s) or corequisite(s): TEACHING 2017; EDPSYCH 2030. (Spring)

### **KINES 2025. Conditioning Theory and Practice — 3 hrs.**

Theory and practice in training and conditioning of athletes, dynamic warm up and training schedule development. (Variable)

### **KINES 2030. Teaching Physical Education For Learning — 3 hrs.**

The major purpose of this course is to develop knowledge and competence in the generic aspects of effective instruction in physical education as well as to begin to develop effective instructional skills through micro-peer teaching. The student will also learn the historical foundations and significance of physical education and how these have impacted the profession's current goals. Prerequisite(s) or corequisite(s): EDPSYCH 2030. (Fall)

### **KINES 2031. Teaching Physical Education with Technology — 3 hrs.**

Familiarization and enhancement of technology skills specific to supporting physical education instruction in a PK-12 setting. Course focuses on technologies closely aligned with the physical education learning environment (i.e. pedometers, accelerometers, heart rate monitors) to facilitate instruction and assess student performance. Also included are additional technologies related to physical education software and hardware on personal computers use in creating materials for the K-12 student. (Fall)

### **KINES 2036. Dance Performance — 1-2 hrs.**

Credit for performance in approved dance choreography. May be repeated for credit. Prerequisite(s): consent of instructor. (Variable)

### **KINES 2037. Applied Choreography — 1-2 hrs.**

Credit for approved choreography for dance performances and productions. May be repeated for credit. Prerequisite(s): consent of instructor. (Variable)

### **KINES 2050. Anatomy and Physiology of Human Movement — 3 hrs.**

Anatomy and physiology of the human body focusing on the muscular and skeletal systems. (Fall and Spring)

### **KINES 2053. Physical Activity and Nutrition for Health and Fitness — 3 hrs.**

Identification and programming of physical activities and nutrition lifestyle practices. Emphasis on the role of physical activity and nutrition in the enhancement of health and fitness in others. Integration of experiential learning activities with cognitive subject matter. (Fall and Spring)

### **KINES 2056. Motor Learning and Development — 3 hrs.**

Introduction to the developmental and learning factors which influence the capability to move effectively throughout the life span. (Fall and Spring)

### **KINES 2060. Lifeguard Training and Instruction — 2 hrs.**

American Red Cross material in Basic Water Safety, Emergency Water Safety Lifeguard Training, and Lifeguard Instruction. Opportunity provided to become certified in the American Red Cross Lifeguarding, Lifeguard Instruction, and Health Services Program which is a prerequisite to becoming an instructor in any area of certification for the American Red Cross. (Variable)

### **KINES 2061. Water Safety Instruction — 2 hrs.**

Materials related to the certification of instructors for water safety instruction. Any person wishing to teach aquatics is required to complete this course. Certification is possible through this course. (Variable)

**KINES 2062. Developmental Trends in Physical Activity & Sport — 3 hrs.**

Developmental Trends in Physical Activity and Sport focuses on physical, mental, and emotional developmental changes from early childhood through adolescence in relation to the physical domain. Topics include: theoretical perspectives of human development, development of self-perceptions, influence of significant others throughout childhood and adolescence, effective communication skills for the developmental age, factors that influence motivation and continued participation, emotional experiences in youth sport, and self-regulation skills. (Fall)

**KINES 3101. Coaching Theory and Skill Technique - Baseball/ Softball — 3 hrs.**

To provide practical knowledge and develop basic skills necessary for becoming a successful baseball and/or softball coach. (Variable)

**KINES 3102. Coaching Theory and Skill Technique - Basketball — 3 hrs.**

To provide practical knowledge and develop basic skills necessary for becoming a successful basketball coach. (Variable)

**KINES 3104. Coaching Theory and Skill Technique - Football — 3 hrs.**

To provide practical knowledge and develop basic skills necessary for becoming a successful football coach. (Variable)

**KINES 3107. Coaching Theory and Skill Technique -- Soccer — 3 hrs.**

To provide practical knowledge and develop basic skills necessary for becoming a successful soccer coach. (Variable)

**KINES 3111. Coaching Theory and Skill Technique - Track and Field — 3 hrs.**

To provide practical knowledge and develop basic skills necessary for becoming a successful track and field coach. (Variable)

**KINES 3112. Coaching Theory and Skill Technique - Volleyball — 3 hrs.**

To provide practical knowledge and develop basic skills necessary for becoming a successful volleyball coach. (Variable)

**KINES 3113. Coaching Theory and Skill Technique - Individual Sports — 3 hrs.**

To provide practical knowledge and develop basic skills necessary for becoming a successful individual sport coach (e.g., swimming, wrestling, tennis). (Variable)

**KINES 3118. Practicum in Coaching — 1-2 hrs.**

Practical experience working with high school coaches; includes planning and conducting all phases of the program. May be repeated in a different sport for a total of two sports. Prerequisite(s): junior standing; consent of department. (Variable)

**KINES 3120. Certified Pool Operators — 2 hrs.**

Administration of programs, personnel, and facilities; includes pool management and maintenance. (Variable)

**KINES 3121. Sociology and Psychology of Physical Activity — 3 hrs.**

Introduction to the sociological and psychological issues related to physical activity. Behavior change and motivational strategies to facilitate healthy active lifestyles for youth through adulthood are discussed and applied. Practical information for professionals working in either school or non-school settings dealing with persons involved in physical activity. (Variable)

**KINES 3122. Psycho-Social Aspects of Competitive Sport — 3 hrs.**

Introduction to the psychological and sociological dimensions of competitive sport with an emphasis on mental skills training for performance enhancement. (Fall and Spring)

**KINES 3125. Introduction to Sport Administration — 3 hrs.**

Introduction to Sport Administration is designed to provide the foundations of the management, marketing, financial, and legal principles regarding sport facilities, events, tourism, and organizations within interscholastic, intercollegiate, professional and international sport industries. Further, the conduct of amateur and professional sports is addressed. (Fall and Spring)

**KINES 3126. Sport Marketing — 3 hrs.**

The purpose of this course is to introduce an overview of various aspects of sport marketing and the application of basic principles of sport marketing to the managed sport industry with emphasis on intercollegiate athletics, professional sport, and multi-sport club operations. This course will provide students with an up-to-date understanding of marketing concepts as they are currently being applied in various sectors of the sport industry. Prerequisite(s): KINES 3125. (Variable)

**KINES 3127. Practicum in Sport Administration — 1 hr.**

This course is the last course to be taken after other required courses are completed in the Sports Administration minor. Students gain comprehensive practical experience in sport administration in a sport setting/organization. The experience will build on knowledge and skills learned in the classroom and provide enhanced learning opportunities through hands-on experiences. The practicum experience will assist in further development of a professional portfolio and provide the experience needed for success in the competitive job market. Prerequisite(s): Completion of all coursework in the Sports Administration minor; consent of instructor. (Fall, Spring, Summer)

**KINES 3140. Practicum in Strength and Conditioning — 1 hr.**

Experiences working in strength and conditioning settings. May be repeated for a maximum of 3 credits. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

**KINES 3151. Biomechanics — 3 hrs.**

Application of principles of mechanics to human movement. Prerequisite(s): KINES 2050 or AT 3020 or BIOL 3102. (Fall and Spring)

**KINES 3153. Physiology of Exercise — 3 hrs.**

Acute and chronic responses and adaptations of the physiological systems to muscular activity and training. Prerequisite(s): KINES 2050; junior standing. Prerequisites for Athletic Training majors: KINES 2050 or AT 3020. Prerequisites for Movement and Exercise Science majors: KINES 2053. Prerequisite(s) or corequisite(s): KINES 3163. (Fall and Spring)

**KINES 3154. Psychological Skills for Sport Participants — 3 hrs.**

Understanding of psychological factors which affect performance in competitive sport. Survey of and individualized practice with psychological techniques designed to enhance sport performance. (Fall and Spring)

**KINES 3155/5155. Exercise Physiology: Applications for Health and Human Performance — 3 hrs.**

Applications in environmental influence on performance, body composition, ergogenic aids, age and gender considerations in sport and exercise, and exercise for special populations. Prerequisite(s): KINES 2050; KINES 3153 or equivalent; junior standing. (Variable)

## Kinesiology & Athletic Training

### **KINES 3156. Fitness Assessment and Programming — 3 hrs.**

Assessment of fitness levels and application to fitness programming including remediation of dysfunction in rehabilitation. Prerequisite(s): KINES 3153. (Fall and Spring)

### **KINES 3157. Sports Nutrition — 3 hrs.**

Designed to help students understand the role of nutrition in enhancing athletic performance. Students will learn the impact nutrition has on cells and tissue that determine the physiological response to exercise. Prerequisite(s): KINES 2053; KINES 3153. Prerequisite for Athletic Training majors: AT 3020. (Fall and Spring)

### **KINES 3158. Clinical Biomechanics — 3 hrs.**

Application of principles of mechanics to human movement with special consideration to clinical applications. Prerequisite(s): KINES 2050 or equivalent. (Variable)

### **KINES 3160. Exercise for Clinical Populations — 3 hrs.**

This course addresses issues related to exercise programs for special populations such as older adults, children, and individuals with obesity, diabetes, CVD, cancer, anxiety, depression, osteoporosis, multiple sclerosis, COPD, PAD, arthritis, and musculoskeletal injuries. It also focuses on skills in basic electrocardiographic assessment and recording, particularly identification of arrhythmias and blockages. Prerequisite(s): KINES 3153. (Variable)

### **KINES 3163. Career and Professional Development — 3 hrs.**

This course will examine the field of movement and exercise science from a historical perspective, identify emerging trends and ethical behavior, and explore potential employment opportunities and professional associations. Professional development strategies throughout one's career are discussed and evaluated with the establishment of future career goals. This course will also develop the student's skills in writing resumes, creating portfolios and job interviewing in order to enhance employment opportunities. (Fall and Spring)

### **KINES 3168. Assisting in Physical Activity and Wellness — 1 hr.**

Assisting departmental instructor in activity classes. May be repeated once for credit. Prerequisite(s): consent of department. (Fall and Spring)

### **KINES 3174. Assessment Processes in Physical Education — 3 hrs.**

Concepts of measurement and evaluation; statistical analysis; construction of evaluative instruments; and application of written and performance tests. Physical Education majors may substitute KINES 3174 for MEASRES 3150. Prerequisite(s) or corequisite(s): EDPSYCH 3148. (Fall and Spring)

### **KINES 3176. Administration and Curriculum Development in Physical Education — 3 hrs.**

Administration of programs in the elementary and secondary schools including budgeting, facilities, legal considerations, and support services. Design, development, and evaluation of curriculum content for grades K-12. Prerequisite(s): Prerequisite(s) or corequisite(s): TEACHING 2017; EDPSYCH 2030. (Spring)

### **KINES 3185. Readings in Kinesiology — 1-4 hrs.**

Individual study in an area of physical education. Credit to be determined at time of registration and to be based on student's proposal. Primarily for majors and minors in Physical Education. Prerequisite(s): consent of department head. (Fall and Spring)

### **KINES 3191. Senior Project — 1-6 hrs.**

Individualized study and experiential learning under the supervision of qualified faculty and professionals in the field; Primarily for majors

in physical education. May be repeated for a maximum of 6 hours.

Prerequisite(s): consent of instructor. (Fall and Spring)

### **KINES 3192. Internship in Kinesiology — 1-12 hrs.**

Comprehensive practical experience in physical education in which the student applies course work in an agency commensurate with degree option. Offered on credit/no credit basis only. May be repeated for maximum of 12 hours. Prerequisite(s): Completion of all course work in the major or minor; current certification in Standard First Aid and Community CPR; consent of Internship Coordinator. (Fall, Spring, Summer)

### **KINES 3193. Research Experiences — 1-6 hrs.**

Conducting supervised research in a research team setting or mentoring setting with faculty, with presentation and publication of research as the goal. Topics for research may not duplicate a class project or the undergraduate thesis. May be repeated for maximum of 6 hours. Highly recommended for students planning to enter graduate programs. Primarily for majors in physical education. Prerequisite(s): sophomore standing; consent of instructor. (Fall and Spring)

### **KINES 3201. Scientific Principles of Strength and Conditioning — 3 hrs.**

The course is designed to provide students with the underlying principles and concepts of strength and conditioning program development. Students will learn to utilize instrumentation and equipment for the monitoring and assessment of exercise clients, review, analyze and interpret information, and independently generate conclusions, and communicate knowledge through a variety of modalities. Students will learn to contextualize discipline knowledge to performance sports and / or health, disease and aging. Prerequisite(s): KINES 2050. (Variable)

### **KINES 3202. Strength and Conditioning Programming and Technique — 3 hrs.**

This course is designed for students to apply scientific knowledge and information to design high quality strength and conditioning programs. Students will design different programs based on critical factors related to a variety of clients, such as age, gender, sport experience, goals, and stage of development. This course has a hands-on component where students will learn safety and evaluation of movement form. Prerequisite(s): KINES 2050; KINES 3153. (Variable)

### **KINES 4152. Adapted Physical Education — 3 hrs.**

This course is designed to provide basic knowledge of the history of adapted physical education; federal and state laws pertaining to the education of individuals with disabilities; psychomotor, social, and cognitive characteristics of students with disabilities; program planning that includes lesson plans, assessment, and behavior management. In addition, this course will prepare undergraduate students to implement specially designed physical education programs designed to meet the unique needs of students with disabilities through the use of hands-on experiences teaching students with disabilities. (Fall and Spring)

### **KINES 4172. Elementary Physical Education Teaching Methods — 3 hrs.**

Review of philosophy, objectives, content, instructional practices, teaching strategies, and assessment practices appropriate for PK-6 elementary physical education. Laboratory experiences at the elementary level will be included. Prerequisite(s): EDPSYCH 3148. Prerequisite(s) or corequisite(s): KINES 2021; KINES 2056; KINES 3174; KINES 3176. (Fall and Spring)



**KINES 4173. Secondary Physical Education Teaching Methods — 3 hrs.**

Review of philosophy, objectives, content, instructional practices, teaching strategies, and assessment practices appropriate for secondary physical education. Laboratory experiences will be included at the junior high and high school levels. Prerequisite(s): EDPSYCH 3148. Prerequisite(s) or corequisite(s): KINES 2021; KINES 2056; KINES 3174; KINES 3176. (Fall and Spring)

**KINES 4194. Senior Thesis — 2-6 hrs.**

Individualized research involving the selection of an area of inquiry; collection, analysis, and interpretation of data; Primarily for majors in physical education. May be repeated for a maximum of 6 hours. Prerequisite(s): consent of instructor. (Fall and Spring)

**KINES 4198. Independent Study.**

Primarily for majors in physical education. (Fall, Spring, Summer)

**KINES 4217. Organization and Administration of Competitive Sports — 3 hrs.**

Organization, philosophy, administration, and management (e.g., budget, scheduling, designing) of interscholastic, intercollegiate, and intramural sports programs. Prerequisite(s): junior standing. (Fall and Spring)

**KINES 6222. Sport Psychology — 3 hrs.**

Current sport psychology research and its relevance to coaches and athletes. Emphasis on the areas of sport personality, competitiveness, motivation, attention, self-concept, attitudes, competitive anxiety, and goal-setting. Stress management techniques and other psychological skills applicable to the sport setting. (Variable)

**KINES 6230. Curriculum Theory and Design in Physical Education — 3 hrs.**

Investigation of the curriculum development process, standards based curriculum, contemporary models, selection and sequencing of developmentally appropriate content and activities K-college, and coaching curriculum. Intended to meet the needs and interests of K-12 teachers as well as college teacher/coaches. (Variable)

**KINES 6231. Effective Teaching and Behavioral Management in Physical Education — 3 hrs.**

Study of the skills and techniques that successful teachers use to make classes appropriate and beneficial for students. Discussion of effective discipline, motivation, and planning techniques. Includes techniques for self-study to determine teaching effectiveness and demonstrate student learning. Special focus on behavioral management strategies to enhance learning during physical education classes. (Variable)

**KINES 6240. Advanced Adapted Physical Education — 3 hrs.**

This advanced course will explore how to create physical education programs for students with disabilities. The course will present students with information about legislation, a variety of disabilities, advanced topics in assessment and curriculum related to Adapted Physical Education. (Variable)

**KINES 6241. Advanced Assessment in Physical Education — 3 hrs.**

This course will provide knowledge to students related to performance-based assessment in K-12 physical education. The course will focus on assessment driven instruction, different ways to measure student achievement in physical education, selection of a balanced and practical assessment approach in physical education classes. (Variable)

**KINES 6251. Advanced Biomechanics — 3 hrs.**

Application of mechanical principles and concepts to human movement; emphasis on analysis of techniques employed in sports. Prerequisite(s): KINES 2050; KINES 3151; or equivalents. (Variable)

**KINES 6253. Advanced Exercise Physiology — 3 hrs.**

Process of scientific inquiry into exercise physiology and the identification of basic principles to be applied for maximum performance without injury. Prerequisite(s): KINES 3153; KINES 3155/5155 or equivalent; BIOL 3101 or equivalent; BIOL 3102 or equivalent. (Variable)

**KINES 6255. Motor Control and Learning — 3 hrs.**

Study and application of research findings to motor learning and the variables which influence it. (Variable)

**KINES 6272. Principles of Sport Administration — 3 hrs.**

This graduate course provides an overview of the principles of sport administration from an interdisciplinary perspective including topics such as Management and Leadership in Sport Administration, Sport Marketing and Communication, and Sport Facility and Event Management. (Variable)

**KINES 6273. Contemporary and Inclusive Issues in Physical Education — 3 hrs.**

Examination and analysis of continuing concerns and issues in the profession. Examination of strategies to fully engage all participants in physical education classes irrespective of a disability or any other attribute. (Variable)

**KINES 6285. Readings in Kinesiology — 1-4 hrs.**

May be repeated for maximum of 6 hours. (Fall, Spring, Summer)

**KINES 6289. Seminar in Kinesiology — 1-3 hrs.**

Special topics as indicated in the Schedule of Classes. May be repeated when topics vary up to a maximum of 12 credits. (Fall and Spring)

**KINES 6293. Research Experience in Kinesiology — 1-2 hrs.**

Research on problems other than those for the thesis or in regular course offerings. May be repeated for maximum of 6 hours. Prerequisite(s): consent of instructor. (Fall, Spring, Summer)

**KINES 6295. Internship — 1-4 hrs.**

Experience in non-school settings or agencies. May be repeated for maximum of 4 hours. Prerequisite(s): consent of Graduate Advisor. (Fall, Spring, Summer)

**KINES 6297. Practicum — 1-4 hrs.**

Practical experience in teaching physical education and/or coaching at the college level and/or K-12 level. May be repeated for maximum of 6 hours. Prerequisite(s): consent of Graduate Advisor. (Fall, Spring, Summer)

**KINES 6299. Research.**

Fee assessed separately for laboratory materials and/or binding of thesis/research paper. May be repeated for maximum of 6 hours. Prerequisite(s): consent of department. (Fall, Spring, Summer)

## Physical Education Courses

**PEMES 2011. Fundamental Physical Activities -- Aquatics — 1 hr.**

Primarily for majors in Physical Education. (Fall and Spring)

**PEMES 2013. Fundamental Physical Activities - Dance — 2 hrs.**

Primarily for majors in Physical Education. (Variable)

**PEMES 2017. Fundamental Physical Activities -- Outdoor/Adventure Pursuits — 1 hr.**

Primarily for majors in Physical Education. (Fall and Spring)

## **Kinesiology & Athletic Training**

### **PEMES 2034. Survey of Dance History — 3 hrs.**

Survey of dance history from primitive times to the present with emphasis on the relationship of dance and dance forms to the societies in which they developed and other art forms and the contributions of leading dance personalities. (Variable)

### **PEMES 3173. Teaching Methods Block — 2-5 hrs.**

2 or 5 hrs. Curriculum design, including movement education and wellness, through the integration of instructional practices, teaching strategies, knowledge of adaptations to physical activity, and assessment practices. Laboratory experiences will be included in elementary, middle school, and high school levels. Prerequisite(s): Physical Education minor: EDPSYCH 3148; KINES 2021; KINES 2056. Physical Education Major-Teaching: EDPSYCH 3148; KINES 2021; KINES 2053; KINES 2056; KINES 3174; KINES 3176. (Fall and Spring)