

ATHLETIC TRAINING EDUCATION PROGRAM (ATEP)

100 Level Courses

ATEP 120: *First Aid and Emergency Care*. 2 credits.

Covers emergency management procedures for various injuries and sudden illnesses, including 1- and 2- person CPR, and use of an Automated External Defibrillator (AED) for cardiac emergencies and basic first aid techniques; certification in first aid and CPR. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to two attempts.

Schedule Type: Laboratory, Lecture

Grading:

This course is graded on the Satisfactory/No Credit scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 150: *Introduction to Athletic Training and Preventative Care Techniques*. 3 credits.

Introduces the profession of athletic training and the basic principles of preventative care commonly used in the profession. Topics will include athletic training facility organization and procedures; protective sports equipment; construction of protective devices; and application of protective taping, braces, wrapping, and protective pads. Areas to be studied include the role of the athletic trainer in sports medicine, mechanisms of athletic injuries, tissue response to injury, blood-borne pathogens, introductory techniques of the assessment and evaluation of athletic injuries and emergency procedures. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Schedule Type: Lecture

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

200 Level Courses

ATEP 201: *Medical and Scientific Terminology*. 3 credits.

Foundations of scientific and medical vocabulary including prefixes, suffixes and stems used to form compound words. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Schedule Type: Lecture

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 203: *Prevention, Recognition, and Management of Athletic and Fitness Related Injuries*. 3 credits.

Provides coaches and fitness professionals with theory on the prevention, recognition, and management of injuries and conditions that occur in athletic competition and recreational fitness activities. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Schedule Type: Lecture

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 205: *Cultural Competence*. 3 credits.

Explores cultural competence and its integration for effective professional practice. Includes communication styles, daily living practices, common sensitivities, self-awareness, and historical cultural implications in multicultural environments. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Schedule Type: Lecture

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

300 Level Courses

ATEP 300: *Functional Anatomy*. 3 credits.

Increase students' knowledge and exposure to the structural and functional components of human anatomy including musculoskeletal origins, insertions, actions and innervations. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Recommended Prerequisite: C or better in BIOL 124 and BIOL 125.

Schedule Type: Laboratory, Lecture

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 310: *Advanced Functional Anatomy*. 3 credits.

Investigates the musculoskeletal anatomy including innervation, vascular anatomy, and function of the neck, trunk and limbs. Synthesizes anatomy physiology, and human movement as it relates to injury; case studies are used to enhance the understanding of human anatomy and interpret movement impairments. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Recommended Corequisite: ATEP 320.

Registration Restrictions:

Required Prerequisites: ((ATEP 300^C or 300^{XS}) and (KINE 310^C or 310^{XS})).
^C Requires minimum grade of C.
^{XS} Requires minimum grade of XS.

Schedule Type: Lecture

Grading:

This course is graded on the Undergraduate Special scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 325: *Athletic Training Foundations*. 3 credits.

Investigates the knowledge, skill and professional foundations of the athletic training. Emphasizes is placed on the role of the athletic trainer as a member of the health care system by decision-making through evidence-based practice and foundational skills including fitting protective equipment and devices, and prophylactic preventative taping. Admission to the professional phase of the ATEP. Offered by School of

Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Registration Restrictions:

Required Prerequisites: ((ATEP 120^C or 120^{XS}) and ATEP 150^C and (ATEP 201^C or 201^{XS}) and (ATEP 300^C or 300^{XS}) and (BIOL 124^C or 124^{XS}) and (BIOL 125^C or 125^{XS}) and (HEAL 230^C or 230^{XS})).

^C Requires minimum grade of C.

^{XS} Requires minimum grade of XS.

Schedule Type: Lecture

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 361: Upper Body Therapeutic Interventions. 3 credits.

Utilizes an integrated approach to therapeutic interventions including modalities and rehabilitation in the treatment of upper body, head and neck injuries and conditions. Includes development, implementation, and evaluation of treatment plans for upper body, head and neck injuries. Admission to the professional phase of the ATEP. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Recommended Corequisite: ATEP 365, ATEP 367, ATEP 370, ATEP 375.

Registration Restrictions:

Required Prerequisites: ATEP 351^C, 354^C, 330^C, 340^C and 345^C.

^C Requires minimum grade of C.

Schedule Type: Lecture

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 365: Athletic Training Clinical Techniques 4. 3 credits.

Applies therapeutic interventions for the upper body, head and neck in a laboratory setting. Develops rehabilitation treatment plans and skills necessary to carry out patient care. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Registration Restrictions:

Students with a class of Freshman or Sophomore may **not** enroll.

Enrollment is limited to students with a major in Athletic Training.

Schedule Type: Laboratory

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 367: Athletic Training Practicum 1. 2 credits.

Emphasizes physical assessment and therapeutic interventions of the lower body in a clinical immersion practicum field experience under the direct supervision of a preceptor for 150 hours. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Recommended Corequisite: ATEP 361, ATEP 365, ATEP 370, ATEP 375.

Registration Restrictions:

Required Prerequisites: ATEP 330^C, 340^C, 345^C, 351^C and 354^C.

^C Requires minimum grade of C.

Schedule Type: Internship

Grading:

This course is graded on the Undergraduate Special scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 370: Upper Body Physical Assessment. 3 credits.

Analyzes the principles of upper body physical assessment. Investigates mechanisms of injury, the evaluation process, and testing leading to diagnosis. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Recommended Corequisite: ATEP 361, ATEP 365, ATEP 367, ATEP 375.

Registration Restrictions:

Required Prerequisites: ATEP 330^C, 340^C, 345^C, 351^C and 354^C.

^C Requires minimum grade of C.

Schedule Type: Lecture

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 375: Athletic Training Clinical Techniques 3. 3 credits.

Applies principles of upper body, head and neck physical assessment. Develops evaluation skills including special testing leading to diagnosis. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Recommended Corequisite: ATEP 361, ATEP 365, ATEP 367, ATEP 370.

Registration Restrictions:

Required Prerequisites: ATEP 330^C, 340^C, 345^C, 351^C and 354^C.

^C Requires minimum grade of C.

Schedule Type: Laboratory

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

400 Level Courses

ATEP 400: Pathopharmacology. 3 credits.

Examines the assessment and management techniques of general medical conditions and pharmacological principles and interventions. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Registration Restrictions:

Required Prerequisites: ((ATEP 300^C or 300^{XS}) and (KINE 310^C or 310^{XS})).

^C Requires minimum grade of C.

^{XS} Requires minimum grade of XS.

Schedule Type: Lecture

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 441: Senior Seminar in Athletic Training. 3 credits.

Capstone educational experience focusing on current topics in the Athletic Training Profession and career development issues. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Mason Core: Capstone (<http://catalog.gmu.edu/mason-core/>)

Recommended Prerequisite: Grade of C or higher in ATEP 150, 180, 250, 255, 256, 260, 265, 266, 270, 300, 350, 355, 356, 360, 365, 366; BIOL 124, 125; HEAL 110, 230; KINE 300, 360.

Schedule Type: Internship

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 450: Administration and Management in Athletic Training. 3 credits.

Focuses on the professional management and administrative issues in athletic training including the planning, designing, development, organization, implementation, direction, and evaluation of a health care program. Discusses current issues in athletic training related to professional conduct and practice. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Registration Restrictions:

Students with a class of Freshman or Sophomore may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 457: Athletic Training Practicum 2. 1 credit.

Emphasizes physical assessment and therapeutic interventions of the upper body with non-sport populations and assessment of general medical conditions in a clinical practicum field experience under the direct supervision of a preceptor for 75 hours. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Recommended Corequisite: ATEP 450.

Registration Restrictions:

Required Prerequisites: ((ATEP 361^C or 361^{XS}) and (ATEP 365^C or 365^{XS}) and (ATEP 367^C or 367^{XS}) and (ATEP 370^C or 370^{XS}) and (ATEP 375^C or 375^{XS}) and (ATEP 400^C or 400^{XS})).

^C Requires minimum grade of C.

^{XS} Requires minimum grade of XS.

Schedule Type: Internship

Grading:

This course is graded on the Undergraduate Special scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 460: Pediatric Sports Medicine. 3 credits.

Examines evidence-based practices for injury preventions, sport safety, emergency preparedness, and risk management within youth and scholastic sport. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/). Limited to three attempts.

Recommended Corequisite: ATEP 470, 476.

Registration Restrictions:

Required Prerequisites: (ATEP 300^C or 300^{XS}) and (KINE 310^C or 310^{XS}).

^C Requires minimum grade of C.

^{XS} Requires minimum grade of XS.

Schedule Type: Lecture

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 466: Athletic Training Practicum 3. 2 credits.

Emphasizes injury prevention administration physical assessment and therapeutic intervention during athletics preseason in a clinical practicum field experience under the direct supervision of a preceptor for 150 hours. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Registration Restrictions:

Required Prerequisites: ((ATEP 361^C or 361^{XS}) and (ATEP 365^C or 365^{XS}) and (ATEP 367^C or 367^{XS}) and (ATEP 370^C or 370^{XS}) and (ATEP 375^C or 375^{XS}) and (ATEP 400^C or 400^{XS})).

^C Requires minimum grade of C.

^{XS} Requires minimum grade of XS.

Schedule Type: Internship

Grading:

This course is graded on the Undergraduate Special scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 470: Post Rehabilitative Therapeutic Interventions. 2 credits.

Explores current topics of musculoskeletal injury prevention and intervention. Investigates injury epidemiology, pain and nutritional theories. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Recommended Corequisite: ATEP 476.

Registration Restrictions:

Required Prerequisites: (ATEP 450^C and (ATEP 457^C or 457^{XS}) and (ATEP 466^C or 466^{XS})).

^C Requires minimum grade of C.

^{XS} Requires minimum grade of XS.

Schedule Type: Lecture

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 476: Athletic Training Practicum 4. 4 credits.

Emphasizes physical assessment and therapeutic interventions of the upper body in a clinical practicum field experience under the direct supervision of a preceptor for 300 hours. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Recommended Corequisite: ATEP 470.

Registration Restrictions:

Required Prerequisites: (ATEP 450^C and (ATEP 457^C or 457^{XS}) and (ATEP 466^C or 466^{XS})).

^C Requires minimum grade of C.

^{XS} Requires minimum grade of XS.

Schedule Type: Internship

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 480: *Athletic Training Research*. 3 credits.

Examines methods for critically evaluating clinical research techniques and interventions to improve patient outcomes specific to the practice of athletic training. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). Limited to three attempts.

Recommended Corequisite: ATEP 486.

Registration Restrictions:

Required Prerequisites: (ATEP 460^C and 470^C and (ATEP 476^C or 476^{XS})).

^C Requires minimum grade of C.

^{XS} Requires minimum grade of XS.

Schedule Type: Lecture

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 499: *Independent Study in Athletic Training*. 1-6 credits.

Study of a topic area in athletic training research, theory, or practice under direction of a faculty member. May be repeated, but not more than 6 total credits may be earned. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May be repeated within the degree.

Schedule Type: Independent Study

Grading:

This course is graded on the Undergraduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

500 Level Courses

ATEP 510: *Advanced Functional Anatomy*. 3 credits.

Investigates the musculoskeletal anatomy including innervation, vascular anatomy, and function of the neck, trunk and limbs. Synthesizes anatomy, physiology, and human movement as it relates to injury; case studies are used to enhance the understanding of human anatomy and interpret movement impairments. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Prerequisite: Basic human anatomy and physiology and functional anatomy knowledge.

Recommended Corequisite: ATEP 520 and 525.

Registration Restrictions:

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Special scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 520: *Therapeutic Interventions Foundations*. 3 credits.

Explores foundational knowledge and skills necessary for the safe, effective, and evidenced-based application of therapeutic interventions. Investigates physiologic response to injury and healing, physiologic cause of pain, physiologic response of tissue to therapeutic intervention including modalities and exercise. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Prerequisite: Basic human anatomy and physiology and functional anatomy knowledge.

Recommended Corequisite: ATEP 510 and 525.

Registration Restrictions:

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Special scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 525: *Athletic Training Foundations*. 3 credits.

Investigates the knowledge, skill and professional foundations of the athletic training. Emphasizes is placed on the role of the athletic trainer as a member of the health care system by decision-making through evidence-based practice and foundational skills including fitting protective equipment and devices, arid prophylactic preventative taping. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 510 and 520.

Registration Restrictions:

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 530: *Emergency Procedures for Athletic Trainers.* 4 credits. Integrates the prevention, recognition, and management of injuries and illnesses during critical events relating to sudden death and prehospital care pertinent to athletic trainers. Develops knowledge, critical-thinking and problem-solving skills needed when applying emergency care principles and skills in a variety of clinical and professional settings. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 540, 545, 550, 555.

Registration Restrictions:

Required Prerequisites: ((ATEP 510^{B-} or 510^{XS}) and (ATEP 520^{B-} or 520^{XS}) and (ATEP 525^{B-} or 525^{XS})).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a major in Athletic Training.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 540: *Lower Body Physical Assessment.* 3 credits.

Analyzes principles of lower body physical assessment. Investigates mechanisms of injury, the evaluation process, and testing leading to diagnosis. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 530, 545, 550, 555.

Registration Restrictions:

Required Prerequisites: (ATEP 510^{B-} or 510^{XS}) and (ATEP 520^{B-} or 520^{XS}).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a major in Athletic Training.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 545: *Athletic Training Clinical Techniques 1.* 3 credits.

Applies principles of lower body, thoracic and lumbar spine physical assessment. Develops evaluation skills including special testing leading

to diagnosis. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 530, 540, 550, 555.

Registration Restrictions:

Required Prerequisites: (ATEP 510^{B-} or 510^{XS}) and (ATEP 520^{B-} or 520^{XS}).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a major in Athletic Training.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Laboratory

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 550: *Lower Body Therapeutic Interventions.* 3 credits.

Develops, implements, and evaluates treatment plans using therapeutic modalities and rehabilitation interventions in the treatment of lower body injuries and conditions. Establishes an evidence-based approach to therapeutic interventions use in patient treatment. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 530, 540, 545, 555.

Registration Restrictions:

Required Prerequisites: (ATEP 510^{B-} or 510^{XS}) and (ATEP 520^{B-} or 520^{XS}).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a major in Athletic Training.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 555: *Athletic Training Clinical Techniques 2.* 3 credits.

Applies therapeutic interventions for the lower body in a laboratory setting. Develops rehabilitation treatment plans and skills necessary to carry out patient care. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 530, 540, 545, 550.

Registration Restrictions:

Required Prerequisites: (ATEP 510^{B-} or 510^{XS}) and (ATEP 520^{B-} or 520^{XS}).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a major in Athletic Training.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Laboratory

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 560: *Upper Body Therapeutic Interventions*. 3 credits.

Utilizes an integrated approach to therapeutic interventions including modalities and rehabilitation in the treatment of upper body, head and neck injuries and conditions. Includes development, implementation, and evaluation of treatment plans for upper body, head and neck injuries. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 565, 566, 570, 575, 600.

Registration Restrictions:

Required Prerequisites: (ATEP 530^{B-} or 530^{XS}) and (ATEP 540^{B-} or 540^{XS}) and (ATEP 545^{B-} or 545^{XS}) and (ATEP 550^{B-} or 550^{XS}) and (ATEP 555^{B-} or 555^{XS}).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a major in Athletic Training.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 565: *Athletic Training Clinical Techniques 4*. 3 credits.

Applies therapeutic interventions for the upper body, head and neck in a laboratory setting. Develops rehabilitation treatment plans and skills necessary to carry out patient care. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 560, 565, 566, 575, 600.

Registration Restrictions:

Required Prerequisites: (ATEP 530^{B-} or 530^{XS}) and (ATEP 540^{B-} or 540^{XS}) and (ATEP 545^{B-} or 545^{XS}) and (ATEP 550^{B-} or 550^{XS}) and (ATEP 555^{B-} or 555^{XS}).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a major in Athletic Training.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Laboratory

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 566: *Athletic Training Practicum 1. 2 credits.*

Emphasizes clinical examination and acute care of injuries during a clinical immersion practicum field experience under the direct supervision of a preceptor for 150 to 200 hours. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 560, ATEP 565, ATEP 570, ATEP 575, 600.

Registration Restrictions:

Required Prerequisites: (ATEP 530^{B-} or 530^{XS}) and (ATEP 540^{B-} or 540^{XS}) and (ATEP 545^{B-} or 545^{XS}) and (ATEP 555^{B-} or 555^{XS}) and (ATEP 550^{B-} or 550^{XS}).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a major in Athletic Training.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Internship

Grading:

This course is graded on the Graduate Special scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 570: *Upper Body Physical Assessment*. 3 credits.

Analyzes principles of upper body physical assessment. Investigates mechanisms of injury, the evaluation process, and testing leading to diagnosis. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 560, 565, 566, 575, 600.

Registration Restrictions:

Required Prerequisites: (ATEP 530^{B-} or 530^{XS}) and (ATEP 540^{B-} or 540^{XS}) and (ATEP 545^{B-} or 545^{XS}) and (ATEP 550^{B-} or 550^{XS}) and (ATEP 555^{B-} or 555^{XS}).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a major in Athletic Training.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 571: Orthopedic Bracing. 3 credits.

Provide instruction and experience in the fabrication, fitting and delivery of orthotic devices and related durable medical equipment. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May be repeated within the degree for a maximum 6 credits.

Registration Restrictions:

Required Prerequisites: (ATEP 540^B and 570^B).

^B Requires minimum grade of B.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a major in Athletic Training.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 572: Orthopedic Casting. 3 credits.

Provide instruction and experience in the fabrication, fitting and delivery of orthotic casting and related durable medical equipment. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May be repeated within the degree for a maximum 6 credits.

Registration Restrictions:

Required Prerequisites: (ATEP 540^B and 570^B).

^B Requires minimum grade of B.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a major in Athletic Training.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 573: Special Topics. 3 credits.

Provide an understanding and appreciation of evidence-based practices in special topic areas of orthopedic practice including but not limited to: diagnostic imagining, surgical preparation practices and healthcare administration and leadership in clinical practice. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May be repeated within the degree for a maximum 6 credits.

Specialized Designation: Topic Varies

Registration Restrictions:

Required Prerequisites: (ATEP 540^B and 570^B).

^B Requires minimum grade of B.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a major in Athletic Training.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 575: Athletic Training Clinical Techniques 3. 3 credits.

Applies principles of upper body, head and neck physical assessment. Develops evaluation skills including special testing. leading to diagnosis. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 560, 565, 566, 570, 600.

Registration Restrictions:

Required Prerequisites: (ATEP 530^{B-} or 530^{XS}) and (ATEP 540^{B-} or 540^{XS}) and (ATEP 545^{B-} or 545^{XS}) and (ATEP 550^{B-} or 550^{XS}) and (ATEP 555^{B-} or 555^{XS}).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to students with a major in Athletic Training.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Laboratory

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 599: *Independent Study*. 1-6 credits.

Studies topics in athletic training research, theory, or practice under direction of a faculty member. May be repeated, but not more than 6 total credits may be earned. Offered by School of Kinesiology. May be repeated within the degree. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May be repeated within the degree for a maximum 6 credits.

Registration Restrictions:

Enrollment is limited to students with a major in Athletic Training.

Enrollment limited to students in a Master of Science degree.

Schedule Type: Independent Study

Grading:

This course is graded on the Satisfactory/No Credit scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

600 Level Courses

ATEP 600: *Pathopharmacology*. 3 credits.

Examines the assessment and management techniques of general medical conditions and pharmacological principles and interventions. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Prerequisite: Basic human anatomy and physiology and Functional Anatomy knowledge needed.

Registration Restrictions:

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 650: *Administration and Management in Athletic Training*. 3 credits.

Focuses on the professional management and administrative issues in athletic training including the planning, designing, development, organization, implementation, direction, and evaluation of a health care program. Discusses current issues in athletic training related to professional conduct and practice. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 656.

Registration Restrictions:

Required Prerequisites: (ATEP 560^{B-} or 560^{XS}) and (ATEP 565^{B-} or 565^{XS}) and (ATEP 566^{B-} or 566^{XS}) and (ATEP 570^{B-} or 570^{XS}) and (ATEP 575^{B-} or 575^{XS}).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 656: *Athletic Training Practicum 2*. 1 credit.

Emphasizes therapeutic interventions with non-sport populations during a clinical practicum field experience under the direct supervision of a preceptor for 75 to 125 hours. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 650.

Registration Restrictions:

Required Prerequisites: (ATEP 560^{B-} or 560^{XS}) and (ATEP 565^{B-} or 565^{XS}) and (ATEP 566^{B-} or 566^{XS}) and (ATEP 570^{B-} or 570^{XS}) and (ATEP 575^{B-} or 575^{XS}).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Internship

Grading:

This course is graded on the Graduate Special scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 660: *Pediatric Sports Medicine*. 3 credits.

Examines evidence-based practices for injury prevention, sport safety, emergency preparedness, and risk management within youth and scholastic sport. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Prerequisite: Basic human anatomy and physiology and Functional Anatomy knowledge needed.

Registration Restrictions:

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 667: Preseason Practicum. 2 credits.

Emphasizes injury prevention, healthcare administration, clinical evaluation during and athletics pre-season clinical practicum field experience under the direct supervision of a preceptor for 150 to 200 hours. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Registration Restrictions:

Required Prerequisites: (ATEP 650^{B-} or 650^{XS}) and (ATEP 656^{B-} or 656^{XS}).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Internship

Grading:

This course is graded on the Graduate Special scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 670: Post Rehabilitative Therapeutic Interventions. 2 credits.

Explores current topics of musculoskeletal injury prevention and intervention. Investigates injury epidemiology, pain and nutritional theories. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 660, 676.

Registration Restrictions:

Required Prerequisites: (ATEP 650^{B-} or 650^{XS}) and (ATEP 656^{B-} or 656^{XS}) and (ATEP 667^{B-} or 667^{XS}).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 676: Patient Centered Athletic Training Practice. 5 credits.

Emphasizes clinical examination, therapeutic interventions, and psychosocial strategies during a clinical practicum field experience

under the direct supervision of a preceptor for 375 to 475 hours. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 660, 670.

Registration Restrictions:

Required Prerequisites: ((ATEP 650^{B-} or 650^{XS}) and (ATEP 656^{B-} or 656^{XS})).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Internship

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 680: Athletic Training Organization & Professional Responsibility. 3 credits.

Identifies and examines critical topics in athletic training healthcare including techniques and interventions to improve patient outcomes and reduce risk. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 686.

Registration Restrictions:

Required Prerequisites: (ATEP 660^{B-} or 660^{XS}) and (ATEP 670^{B-} or 670^{XS}) and (ATEP 676^{B-} or 676^{XS}).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Lecture

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)

ATEP 686: Advanced Athletic Training Practice. 6 credits.

Emphasizes professional development, evidence-based practice and integration of knowledge, skills and clinical decision-making during a clinical practicum field experience under the direct supervision of a preceptor for 450 to 600 hours. Offered by School of Kinesiology (<http://catalog.gmu.edu/colleges-schools/education-human-development/school-kinesiology/>). May not be repeated for credit.

Recommended Corequisite: ATEP 680

Registration Restrictions:

Required Prerequisites: (ATEP 660^{B-} or 660^{XS}) and (ATEP 670^{B-} or 670^{XS}) and (ATEP 676^{B-} or 676^{XS}).

^{B-} Requires minimum grade of B-.

^{XS} Requires minimum grade of XS.

Enrollment limited to students with a class of Advanced to Candidacy, Graduate, Junior Plus, Non-Degree or Senior Plus.

Enrollment is limited to Graduate, Non-Degree or Undergraduate level students.

Students in a Non-Degree Undergraduate degree may **not** enroll.

Schedule Type: Internship

Grading:

This course is graded on the Graduate Regular scale. (<http://catalog.gmu.edu/policies/academic/grading/>)