Sport Science and Physical Education

Chair and Associate Professor: Fitzpatrick
Professors: Appleby, Faure, and Lyons
Associate Professors: Gauthier, and Meyers
Assistant Professors: Braun and Moffit

The Department of Sport Science and Physical Education offers the Master of Physical Education/Athletic Administration degree at the Idaho State University – Pocatello campus and the Idaho State University – Meridian campus. The MSAT program is offered at the Idaho State University - Pocatello campus.

Master of Physical Education/Athletic Administration

Administration is aligned with 2 sets of standards: The Idaho State University College of Education Standards for Advanced Professionals (described previously), and the National Association for Sport and Physical Education (NASPE) and the North American Society for Sport Management (NASSM) Standards.

NASPE-NASSM Content Standards: The NASPE-NASSM standards for Master’s Degree Programs in Sport Management address eight specific areas that include the following: Management, Leadership and Organization in Sport; Research in Sport; Legal Aspects of Sport; Marketing in Sport; Sport Business in the Social Context; Financial Management in Sport; Ethics in Sport Management; and Field Experience in Sport Management.

Master of Science in Athletic Training

The Master of Science in Athletic Training (MSAT) program is a professional degree designed to develop competent athletic training students who qualify to sit for the Board of Certification exam. The program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE).

The overall objectives of the MSAT program are to teach the students in the following domains: Injury/Illness Prevention and Wellness Protection; Clinical Evaluation and Diagnosis; Immediate and Emergency Care; Treatment and Rehabilitation; and Organizational and Professional Health and Well-Being.

Master of Physical Education/Athletic Administration

Admission Requirements

The student must apply to, and meet all criteria for, admission to the Graduate School. In addition, applicants for the Master of Physical Education/Athletic Administration degree must meet all college requirements for admission and retention. Individuals applying for admission to the Master of Physical Education/Athletic Administration program will be reviewed using the following criteria. Preference will be given to applicants who meet or exceed these criteria.

- Bachelor’s degree from a regionally accredited college or university in the United States or its equivalent from a school in another country.
- Grade point average of 3.0 or higher for all upper division credits taken at the undergraduate level.

General Requirements

Students must complete a minimum of 33 semester credit hours for the Master of Physical Education/Athletic Administration degree. Students who choose to complete a thesis must register for no fewer than 6 credits of PE 6650 (meets elective requirement). Students who complete a Masters Project must register for no fewer than 3 credits of PE 6651 (meets elective requirement). Students completing a Thesis or Masters Project will orally defend the Thesis or Project, but will not complete comprehensive written examinations. Students not completing a Thesis or Masters Project will be required to pass both a comprehensive written examination and subsequent oral defense of that exam.

All students must document professional experience in an athletic setting either by prior athletic administrative experience (minimum of one year) or by completing an approved internship for credit while completing the MPE/AA program.

Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PE 6605</td>
<td>Leadership and Administration 3</td>
</tr>
<tr>
<td>PE 6610</td>
<td>Advanced Sport Psychology 3</td>
</tr>
<tr>
<td>PE 6612</td>
<td>Advanced Sociology of Sport 3</td>
</tr>
<tr>
<td>PE 6615</td>
<td>Philosophy and Principles of Athletics in Education 3</td>
</tr>
<tr>
<td>PE 6625</td>
<td>Advanced Sport Marketing 3</td>
</tr>
<tr>
<td>PE 6631</td>
<td>Athletics and the Law 3</td>
</tr>
<tr>
<td>PE 6634</td>
<td>Sport Finance 3</td>
</tr>
<tr>
<td>PE 6635</td>
<td>Management Aspects of Athletics 3</td>
</tr>
<tr>
<td>PE 6640</td>
<td>Research and Writing 3</td>
</tr>
<tr>
<td>PE 6655</td>
<td>Internship 3</td>
</tr>
<tr>
<td>Approved Electives</td>
<td>3</td>
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<tr>
<td>Total Credits</td>
<td>33</td>
</tr>
</tbody>
</table>

Master of Science in Athletic Training

Admission Requirements

The student must apply to, and meet all criteria for, admission to the Graduate School. In addition, applicants for the Master of Science in Athletic Training degree must meet all college requirements for admission and retention. This is a limited enrollment program. Individuals applying for admission to the Master of Science in Athletic Training program will be reviewed using the following criteria:

1. Application and acceptance by ISU Graduate School
2. Cumulative G.P.A. (minimum of 2.75)
3. GRE/MAT score guidelines posted in the SSPE Graduate handbook
4. Successful completion of the following required prerequisite courses with a grade of “C” or better in each course:
   a. Anatomy and Physiology (1 year equivalent)
   b. Care and Prevention of Athletic Injuries (or equivalent)
   c. Neuroscience (Recommended)
   d. General Nutrition or Sports Nutrition
   e. Exercise Physiology
   f. Biomechanics
   g. Sport Psychology (or other approved upper division Psychology course)
5. Evidence of current First Aid/CPR/AED for Health Care Provider certifications
6. An essay describing applicants interest in and goals related to Athletic Training
7. Two letters of Recommendation (one must be from a faculty member)
8. Personal Interview

Preference will be given to applicants who meet or exceed these criteria. Applicants must undergo a criminal background check and have current immunizations, listed in handbook. Criminal background checks must be done through the College of Education and State Board of Education at the applicant’s expense. Conviction of a felony or other serious offense will likely result in denial of placement for the clinical assignments, and consequently affect the student’s standing in the program.

Additional program information is available at http://ed.isu.edu/ssipe/msat_home.shtml website.

General Requirements
Students must complete a minimum of 48 semester credit hours for the Master of Science in Athletic Training degree. Students completing the degree will be required to complete a two-year sequence of courses which will include a 5-course sequence of clinical education and culminate in a 3-credit Capstone project that will challenge the student to summarize their learning experiences through the presentation and defense of a case study before an examining committee.

Upon Graduating, ISU’s MSAT students will be eligible for national board examination (administered nationally by the Board of Certification- BOC). Only those students graduating from a CAATE accredited program are eligible to take the BOC exam.

Course Requirements

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>AT 6600</td>
<td>Foundations of Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>AT 6602</td>
<td>General Medical Assessment</td>
<td>3</td>
</tr>
<tr>
<td>AT 6604</td>
<td>Physical Assessment of the Lower Extremities</td>
<td>3</td>
</tr>
<tr>
<td>AT 6606</td>
<td>Traumatic Brain Injury and Neurological Assessment</td>
<td>3</td>
</tr>
<tr>
<td>AT 6608</td>
<td>Physical Assessment of the Upper Extremities</td>
<td>3</td>
</tr>
<tr>
<td>AT 6610</td>
<td>Pathophysiology and Therapeutic Modalities</td>
<td>3</td>
</tr>
<tr>
<td>AT 6612</td>
<td>Conditioning and Therapeutic Exercise</td>
<td>3</td>
</tr>
<tr>
<td>AT 6614</td>
<td>Professional Issues in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>AT 6640</td>
<td>Research Methods in Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>AT 6645</td>
<td>Organization and Administration of Athletic Training</td>
<td>3</td>
</tr>
<tr>
<td>AT 6651</td>
<td>Capstone Assessment</td>
<td>3</td>
</tr>
<tr>
<td>AT 6661</td>
<td>Clinical Experiences in Athletic Training I</td>
<td>3</td>
</tr>
<tr>
<td>AT 6662</td>
<td>Clinical Experiences in Athletic Training II</td>
<td>3</td>
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<tr>
<td>AT 6663</td>
<td>Clinical Experiences in Athletic Training III</td>
<td>3</td>
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<tr>
<td>AT 6664</td>
<td>Clinical Experiences in Athletic Training IV</td>
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<tr>
<td>AT 6665</td>
<td>Clinical Experiences in Athletic Training V</td>
<td>3</td>
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<td>Total Credits</td>
<td>48</td>
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Master of Science in Athletic Training / Doctorate of Physical Therapy Dual Degree Program

Description of the Program
The MSAT/DPT dual degree program is a unique program for select students. Normally, obtaining both degrees would take a total of 5 years, but with the dual degree, the program can be completed in 4 (47 months), graduating with an MSAT and DPT degree, as well as completion of requirements to sit for the national board examinations for both professions. Both the MSAT and DPT programs are accredited by the respective governing bodies. This program has been approved by the Idaho State Board of Education.

Admission Requirements
Applicants must be admitted to both programs (MSAT and DPT) separately. The applicant will use the normal application (PTCAS for the DPT; MSAT program application for MSAT). In addition, a letter must be submitted to both programs declaring interest in the dual degree program. Application and letter deadline is November 15th.

Once an applicant has applied and is accepted for both programs, the DPT entrance will be deferred 1 year; the first year of the program will be entirely MSAT content.

Deposits for BOTH programs would need to be made by the deadline for each program.

Awarding of Degrees
Both degrees will be awarded at the end of the entire program (47 months). The candidate will be eligible to sit for the Athletic Training Board of Certification examination during the last academic semester of the entire program and for the National Physical Therapy Examination during the final clinical semester

Course Sequence
The MSAT sequence will consist of the first summer session and two semesters. The DPT sequence follows for six semesters plus two summer sessions.

First Year

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<th>Fall</th>
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<td>Credits</td>
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<td>Spring</td>
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<td>Credits</td>
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<td>Summer</td>
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Second Year

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<th>Fall</th>
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<tbody>
<tr>
<td>Credits</td>
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<tr>
<td>Spring</td>
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<tr>
<td>Credits</td>
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<tr>
<td>Summer</td>
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<tr>
<td>Credits</td>
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<tr>
<td>AT 6602</td>
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<tr>
<td>AT 6608</td>
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<tr>
<td>OPEN (internship opportunity)</td>
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<tr>
<td>AT 6604</td>
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<tr>
<td>AT 6614</td>
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<tr>
<td>AT 6606</td>
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<tr>
<td>AT 6645</td>
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<tr>
<td>AT 6662</td>
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<tr>
<td>AT 6663</td>
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</tbody>
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12
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Athletic Training Courses

**AT 6600 Foundations of Athletic Training: 3 semester hours.**
Survey of the profession of Athletic Training. Injury prevention, assessment, treatment, taping, and rehabilitation of common athletic injuries will be presented. Lab included.

**AT 6601 Pathophysiology and Therapeutic Modalities: 3 semester hours.**
Analysis of the physiological response to injury and the effects of therapeutic modalities on athletic injuries.

**AT 6602 General Medical Assessment: 3 semester hours.**
This course addresses current medical issues that pertain to athletic training and the physically active. Content includes: sports pharmacology, physiological considerations, common illnesses and special concerns. Lab included.

**AT 6604 Physical Assessment of the Lower Extremities: 3 semester hours.**
Intense, in-depth study of the lower extremities including: physical examination, injury recognition, treatment, taping, bracing, and foundations of rehabilitation.

**AT 6606 Traumatic Brain Injury and Neurological Assessment: 3 semester hours.**
Comprehensive examination of sport-related traumatic brain injury. Includes neurological assessment and rehabilitation methods. Lab included.

**AT 6608 Physical Assessment of the Upper Extremities: 3 semester hours.**
Intense, in-depth study of the trunk, head, face, and upper extremities including: physical examinations, injury recognition, emergency treatment, taping, bracing, and foundations of rehabilitation. Lab included.

**AT 6610 Pathophysiology and Therapeutic Modalities: 3 semester hours.**
Analysis of the physiological response to injury and the effects of therapeutic modalities on athletic injuries.

**AT 6612 Conditioning and Therapeutic Exercise: 3 semester hours.**
Development of proficiency in the theory, design, and implementation of conditioning programs and instruction on the effective application of therapeutic exercise in order to achieve symptom-free movement and function. Content includes basic principles of exercise, therapeutic effects of exercise, functional evaluation of performance, goniometric measurements, and manual muscle testing. Lab included.

**AT 6614 Professional Issues in Athletic Training: 3 semester hours.**
This course is designed to expose students to various professional issues involved with athletic training in a topical format in order to develop a holistic understanding of the profession. Content includes topics such as psychosocial issues, cultural competence in healthcare delivery, performance enhancement, job seeking, exam preparation, and continuing professional development.

**AT 6640 Research Methods in Athletic Training: 3 semester hours.**
Interpretation of statistical procedures and research designs commonly used in athletic training research. Prepares students to conduct research projects related to the field of athletic training. PREREQ: Permission of instructor.

**AT 6645 Organization and Administration of Athletic Training: 3 semester hours.**
This course is designed to expose students to the organization and administration concepts of athletic training. Content includes management, leadership, legalities, historical perspectives, motivation, and technology.

**AT 6651 Capstone Assessment: 1-3 semester hours.**
There are three semesters of AT 6651 Capstone Assessment courses. Together they represent a comprehensive assessment of learning over time of the students. Capstone Assessment in Spring I requires the student to prepare and submit a research project to the Institutional Review Board. Capstone Assessment in Fall II requires abstract submissions to the Northwest Athletic Trainers’ Association and the National Athletic Trainers’ Association for their annual conferences. Capstone Assessment in Spring II requires a final written manuscript submission-ready to a peer-review journal, an oral project defense, and a final oral practical exam before an examining committee. Students must take this course in each of the last 3 semesters of the program (for a total of 3 credits) in order to graduate.

**AT 6661 Clinical Experiences in Athletic Training I: 3 semester hours.**
Clinical experiences in athletic training.

**AT 6662 Clinical Experiences in Athletic Training II: 3 semester hours.**
Clinical experiences in athletic training.

**AT 6663 Clinical Experiences in Athletic Training III: 3 semester hours.**
Clinical experiences in athletic training.
AT 6664 Clinical Experiences in Athletic Training IV: 3 semester hours.
Clinical experiences in athletic training.

AT 6665 Clinical Experiences in Athletic Training V: 3 semester hours.
Clinical experiences in athletic training.

Physical Educ Courses

PE 5513 Sport in Cinema: 3 semester hours.
Investigate sport, and the treatment of sport, through the medium of modern cinema. Sport will be analyzed from the sociological, psychological, moral and ethical perspective of the filmmakers. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus.

PE 5527 Personal Trainer Certification: 3 semester hours.
Theoretical knowledge and practical skills in preparation for national certification exam in personal training. Guidelines for instructing safe, effective and purposeful exercise; essentials for the client-trainer relationship, conducting health and fitness assessments, and designing and implementing appropriate exercise programming.

PE 5565 Organization and Administration of Intramural Sports: 3 semester hours.
Study of various methods of organizing and administering intramural sports programs on the junior high school, high school, and college levels.

PE 5573 Facility Planning and Designing: 3 semester hours.
An investigation of the various components, principles, and fundamental practices involved in facility planning and design for physical education, athletics, and recreation. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus.

PE 5580 Coaching Problems: 1-3 semester hours.
Athletic control, eligibility, new coaching techniques, finances, safety measures, public relations, duties of coaches, managers, and officials. May be repeated for up to 4 credits. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus.

PE 5581 Coaching Clinic: 1 semester hour.
ISU is a sponsor of the annual Idaho Coaches Association Clinic held during the first week of August. Instruction offered in football, basketball, and other sports by coaches of national reputation. May not be applied to degree programs. May be repeated.

PE 5585 Independent Problems in Physical Education: 1-3 semester hours.
Individual work under staff guidance. Field and/or library research on specific physical education problems. May be repeated up to 6 credits.

PE 5591 Physical Education Workshop: 1-3 semester hours.
A critical analysis of one or more areas of physical education. Limited enrollment. May be repeated up to six credits.

PE 5594 Adapted Physical Activity: 3 semester hours.
History, philosophy, and the teaching/learning process in providing adapted physical activity in schools and community-based settings. Includes clinical experiences. PREREQ: BIOL 3301 or PE 2243; PE 3300 and PE 3362.

PE 5599 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

PE 6605 Leadership and Administration: 3 semester hours.
Development of leadership skills and the dynamics of group process relative to effective interpersonal relationship with special emphasis on Physical Education and Athletic programs and personnel needs.

PE 6610 Advanced Sport Psychology: 3 semester hours.
Designed to define, critique, and apply critical perspectives of sport and exercise psychology, including aggression theories, violence, cohesion, and social facilitation. Aspects of coaching theory and its application are included.

PE 6612 Advanced Sociology of Sport: 3 semester hours.
Social aspects of sport and society, with emphasis on the relationship between sport, culture, and ideology.

PE 6615 Philosophy and Principles of Athletics in Education: 3 semester hours.
The role of athletics in education, the function and organization of leagues and conferences of coaches, certification of coaches, ethics, and public relations.

PE 6620 Curriculum and Supervision: 3 semester hours.
Consideration of the physical education curriculum in public schools and in colleges and universities. Recent developments and current trends that influence the curriculum and supervision policies. Observation techniques, standards in judging instruction, the supervisory conference, cooperative supervision, basic foundation of curriculum construction, and lesson planning.

PE 6622 Survey of Professional Literature: 3 semester hours.
Identification and investigation of professional literature and its application to current and future directions of the field. Extensive reading and formal writing required. May be repeated.

PE 6625 Advanced Sport Marketing: 3 semester hours.
Introduction to the basic nature of marketing in sport and athletics as it relates to consumer behavior, research in sport marketing, defining the sport product, market segmentation, pricing, promotion, and public relations, and the legal aspects of sport/athletics.

PE 6631 Athletics and the Law: 3 semester hours.
A study of the administrative role relating to the regulation of athletic competition and athletic programs. A review of significant court cases dealing with sports law, with application to the school setting.

PE 6634 Sport Finance: 3 semester hours.
This course is designed to introduce students to the basics of finance and accounting in sport and athletics. Topics include (a) principles and theories of economics, (b) basics of accounting, (c) principles of budgeting, (d) financial reporting, (e) financing of facilities, and (f) economic impact of venues and events.

PE 6635 Management Aspects of Athletics: 3 semester hours.
Factors involved in the conduct of athletic events such as contracts, scheduling, travel, game management, crowd control, and the legal implications of athletics.

PE 6640 Research and Writing: 3 semester hours.
Analysis and interpretation of the basic principles of research and writing as they relate to physical education, athletics and allied fields of endeavor. Integration of research and writing procedures likely to have the greatest influence on programs and practices relating to the administration of P.E.D. programs.

PE 6648 Problems: 1-3 semester hours.
Individual and group study of problems in the areas of physical education and recreation. May be repeated to 6 hours credit.

PE 6649 Issues in PED and Athletic Administration: 3 semester hours.
A study of the current issues applicable to the administration of PED and athletics. Opportunities may be afforded for study within specialized areas. May be repeated up to 6 hours with departmental permission.

PE 6650 Thesis: 1-6 semester hours.
Thesis. 1-6 credits. May be repeated. Graded S/U.

PE 6651 Masters Project in PED and Athletics: 1-3 semester hours.
Master's Project. Maybe repeated. Graded S/U.
PE 6655 Internship: 1-3 semester hours.
Administration, supervision and operation of a P.E.D. or Athletic Program. Students work under the direction of a graduate faculty member and practicing administrator. May be repeated up to 6 credits. May be graded S/U.

PE 6658 Athletics in the West: 3 semester hours.
Field-based review of programs and topics related to physical education and athletic administration, including: tours of facilities in schools, colleges, and professional athletics; lessons and seminars with practitioners and scholars.

PE 6699 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.