

# **M.S. in Athletic Training**

## **Purpose**

The M.S. in Athletic Training program at Bethel has six primary goals:

1. Integrate faith and Biblical principles with the principles and disciplines of athletic training to develop a heart of servanthood and ministry within each athletic training student.
2. Develop an atmosphere of cooperation, nurturing, and collegiality that allows each individual to flourish within the program.
3. Provide a variety of didactic and clinical experiences to prepare students for employment in various health care venues.
4. Develop excellence in professional practice and conduct and adherence to the NATA Code of Ethics and Standards of Practice.
5. Promote effective professional communication through student contact and interaction with a variety of professionals in healthcare.
6. Actively pursue relevant educational opportunities and assist students with employment opportunities.

The six primary goals of the M.S. in Athletic Training are fully in line with the goals and purposes of Bethel University. Ultimately, the program is designed to equip students with the knowledge and provide them with opportunities to practice skills that will allow them to apply critical and creative thinking to decision making in healthcare settings.

## **Mission**

The Bethel University Athletic Training Program prepares students for careers in sports medicine as Certified Athletic Trainers. Students are challenged to integrate their faith with athletic training skills and knowledge to meet physical, emotional, and spiritual needs of the ill or injured. Faculty athletic trainers are challenged to be professional role models, providing excellent athletic training service, being effective teachers in the classroom and laboratory, and serving the athletic training profession at the local, district, and national levels. Athletic training faculty and students are challenged to strive for professional excellence and conduct in adherence to the NATA Code of Ethics and Standard of Practice.

Athletic training students are given a variety of clinical experiences, as well as opportunities to practice in different healthcare settings including universities, high schools, physical therapy clinics, general medical facilities, and sports medicine centers. The Bethel University athletic training faculty is committed to the ongoing evaluation of the athletic training program, pursuing quality classroom and clinical experiences that prepare students for careers as health care professionals.

Finally, the faculty teaching in the Bethel University Athletic Training Program strives for the program to be recognized for excellence, producing graduates who are known for their skills and abilities, as well as high moral values and integrity.

## **Outcomes**

Students graduating with an M.S. in Athletic Training will be able to:

- Practice ethical health care that aligns with the BOC Standards of Professional Practice, the NATA Code of Ethics, and applicable local, state, and federal regulations.
- Utilize appropriate evaluation techniques to assess an injured patient.
- Choose appropriate treatment and rehabilitation procedures to ensure quality care for patients.
- Utilize evidence-based practice as a foundation for the delivery of patient-centered care.
- Engage in activities that advance the profession.
- Communicate effectively with all stakeholders, including patients/clients, family members, athletes/coaches, administrators, other healthcare professionals, consumers, payers, and policymakers.
- Integrate ethical perspectives and values-based principles in a variety of health care settings.

## **Program Design**

- The program coursework is designed to be completed in approximately two years.
- Courses are taken utilizing a hybrid model which includes a combination of face to face, online, and clinical courses. Face to face courses meets one day a week.
- Students are required to complete 1000 hours of clinical experience that is taken in conjunction with four clinical courses.
- Bethel University's Master of Science in Athletic Training (AT) program is designed as a comprehensive curriculum, and all students are required to complete the prescribed didactic and clinical coursework. The AT program does not allow for exemption from courses, clinical skills, or clinical education regardless of prior experience, degree, or credential. Students must matriculate through all aspects of the program and successfully complete all program requirements in order to graduate.
- The program capstone is a master's project.
- A supportive learning community is achieved through the cohort model-a small group of students progressing through a degree program together.

- The curriculum prepares students to take a national exam from the Board of Certification, Inc. (BOC) ([www.bocatc.org](http://www.bocatc.org)).

## Accreditation

The Bethel University Athletic Training Program is accredited by the Commission on Accreditation of Athletic Training Education (CAATE), 6850 Austin Center Blvd., Suite 100, Austin, TX 78731-3101. The program is designed to prepare students for the Board of Certification (BOC) exam and for careers as certified athletic trainers.

## Progression

Students admitted to the Athletic Training Program must meet the following Bethel University requirements for academic progress.

- Maintain a cumulative GPA of 3.0.
- Maintain current certification in American Red Cross CPR/AED for the Professional Rescuer (or equivalent).
- Become and remain a student member in the National Athletic Trainers Association.
- Complete clinical requirements as outlined in the ATP Student Manual and the Athletic Training Program webpage.  
Note: There will be additional expenses (above tuition and fees) associated with clinical rotations. Expenses may include but are not limited to, personal background check, physical examination and immunizations, professional membership fees, professional conference fees, and uniforms. Each student will have a minimum of one off-campus clinical experience. Transportation is necessary to all off-campus clinical sites. Students must be available nights and weekends for clinical assignments.
- Operate within the NATA Code of Ethics and the guidelines of the ATP Student Manual.

## Program Requirements

The required curriculum for the M.S. in Athletic Training comprises a 57 semester credit sequence of courses.

Code	Title	Credits
<b>Core Courses</b>		
<a href="#">ATRN 601</a>	Lower Extremity Assessment <sup>1</sup>	3
<a href="#">ATRN 602</a>	Upper Extremity Assessment <sup>1</sup>	3
<a href="#">ATRN 611</a>	Therapeutic Interventions I <sup>1</sup>	3
<a href="#">ATRN 612</a>	Therapeutic Interventions II <sup>1</sup>	3
<a href="#">ATRN 613</a>	Therapeutic Interventions III <sup>1</sup>	3
<a href="#">ATRN 630</a>	Introduction to Emergency Care	3
<a href="#">ATRN 631</a>	Organization and Administration of Athletic Training <sup>1</sup>	3
<a href="#">ATRN 632</a>	Advanced Emergency Care <sup>1</sup>	3
<a href="#">ATRN 633</a>	Current Topics in Athletic Training <sup>1</sup>	3
<a href="#">ATRN 634</a>	Integrative Assessment and Application <sup>1</sup>	3
<a href="#">ATRN 641</a>	Pathology and Medical Conditions <sup>1</sup>	3

**This addendum applies only to students admitted into the M.S. in Athletic Training in the Summer 2019 term.**

<b>Code</b>	<b>Title</b>	<b>Credits</b>
<a href="#"><u>ATRN 642</u></a>	General Medical Assessment <sup>1</sup>	3
<a href="#"><u>ATRN 650</u></a>	Evidence-Based Practice in Athletic Training <sup>1</sup>	3
<a href="#"><u>ATRN 671</u></a>	Clinical Experience in Athletic Training I <sup>1</sup>	3
<a href="#"><u>ATRN 672</u></a>	Clinical Experience in Athletic Training II <sup>1</sup>	3
<a href="#"><u>ATRN 673</u></a>	Clinical Experience in Athletic Training III <sup>1</sup>	3
<a href="#"><u>ATRN 674</u></a>	Clinical Experience in Athletic Training IV <sup>1</sup>	3
<a href="#"><u>ATRN 750</u></a>	Athletic Training Master's Project I <sup>1</sup>	3
<a href="#"><u>ATRN 790</u></a>	Athletic Training Master's Project II <sup>1</sup>	3
<b>Total Credits</b>		<b>57</b>
<b>Course List</b>		

<sup>1</sup> Course must be taken for credit at Bethel.

## Admission Requirements

The M.S. degree program in Athletic Training will consider applicants who:

- Meet the general requirements for admission to the Graduate School.
- Submit an official transcript (U.S. schools) or NACES or AICE evaluation (international schools) showing an earned baccalaureate degree and official transcripts or NACES or AICE evaluations from all undergraduate and graduate schools attended.
- Have earned an undergraduate GPA of 3.0 or higher on a 4.0 scale. *Applicants who do not have the required GPA of 3.0 will be required to submit a Miller Analogies Test (MAT) score report with a minimum score of 400 (taken within the last three years) or a GRE score report (taken within the last three years; GRE score benchmarks are 149, 149, and 3.6).* Applicants who are required to submit TOEFL scores are exempt from submitting MAT scores.
- Submit a resume that includes education and work experience.
- Submit one professional and one supervisor *Admission Reference*.
- Submit a written *Statement of Purpose*.
- Required minimum of 30 hours of clinical observation under the direct supervision of a certified athletic trainer.
- Interview with program faculty.
- Have completed college-level subject matter prerequisites from a regionally accredited U.S. higher education institution, with a grade of B- or higher. Each prerequisite course must be a minimum of 3 credits and may have been taken at the undergraduate or graduate level.

Required:

- 1 Biology course
- 1 Anatomy course
- 1 Physiology course
- 1 Statistics course
- 1 Biomechanics course
- 1 Exercise Physiology course

### Post-Admission Enrollment Requirements

Accepted students will receive an official acceptance letter. Once admitted into the M.S. in Athletic Training program, students must provide a nonrefundable \$250 deposit within 21 days of receipt of the acceptance letter. The \$250 is applied to the first term's fee.

Students will receive a checklist to complete by sending the following items (all items due August 1st):

- Required current certification in either American Red Cross Professional Rescuer CPR or American Heart Association Basic Life Support for Health Care

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Providers. Copy (with instructor’s signature or QR code) of current, valid certification card(s) serves as proof of certification.

- Documentation of the following up-to-date immunizations:
  - Completed Hepatitis B series
  - Measles/Mumps/Rubella (MMR): (2 dates) Must be given after your first birthday
  - Tetanus shot within the last 10 years
- Submit a physical examination signed by a licensed medical physician (or designee). Physical exam must be on Graduate Athletic Training Program Physical Form.
- Signed copy of the M.S. in Athletic Training Technical Standards (with or without reasonable accommodations) form. Compliance with the program’s technical standards alone does not guarantee a student’s eligibility for the BOC certification exam.
- Signed copy of the M.S. in Athletic Training Non-Disclosure Statement.
- Signed copy of the M.S. in Athletic Training Communicable Disease Policy.

## Sample Course Sequence

This example includes the courses for a hypothetical student that starts in the Summer term.

FIRST YEAR					
First Term	Credits	Second Term	Credits	Third Term	Credits
<a href="#">ATRN 630</a> Introduction to Emergency Care	3	<a href="#">ATRN 601</a> Lower Extremity Assessment	3	<a href="#">ATRN 602</a> Upper Extremity Assessment	3
		<a href="#">ATRN 611</a> Therapeutic Interventions I	3	<a href="#">ATRN 612</a> Therapeutic Interventions II	3
		<a href="#">ATRN 632</a> Advanced Emergency Care	3	<a href="#">ATRN 634</a> Integrative Assessment and Application	3
		<a href="#">ATRN 671</a> Clinical Experience in Athletic Training I	3	<a href="#">ATRN 672</a> Clinical Experience in Athletic Training II	3
	<b>3</b>		<b>12</b>		<b>12</b>

<b>SECOND YEAR</b>					
First Term	Credits	Second Term	Credits	Third Term	Credits
<a href="#">ATRN 633</a> Current Topics in Athletic Training	3	<a href="#">ATRN 613</a> Therapeutic Interventions III	3	<a href="#">ATRN 631</a> Organization and Administration of Athletic Training	3
<a href="#">ATRN 650</a> Evidence-Based Practice in Athletic Training	3	<a href="#">ATRN 641</a> Pathology and Medical Conditions	3	<a href="#">ATRN 642</a> General Medical Assessment	3
		<a href="#">ATRN 673</a> Clinical Experience in Athletic Training III	3	<a href="#">ATRN 674</a> Clinical Experience in Athletic Training IV	3
		<a href="#">ATRN 750</a> Athletic Training Master's Project I	3	<a href="#">ATRN 790</a> Athletic Training Master's Project II	3
	<b>6</b>		<b>12</b>		<b>12</b>
<b>Total Credits 57</b>					

## Course Descriptions

**ATRN 601 • Lower Extremity Assessment** 3 Credits.  
 Creation of patient centered treatment plans addressing the lower extremity. Synthesis of information to solve problems. Evaluation of patient status and care plans with consideration of patient goals. Carrying out athletic training services that prioritize patient care. Integration of restrictive, assistive, and prophylactic devices into the care plan.

**ATRN 602 • Upper Extremity Assessment** 3 Credits.  
 Creation of patient centered treatment plans addressing the upper extremity. Synthesis of information to solve problems. Evaluation of patient status and care plans with consideration of patient goals. Carrying out athletic training services that prioritize patient care. Integration of restrictive, assistive, and prophylactic devices into the care plan.



**ATRN 611 • Therapeutic Interventions I**

3 Credits.

Utilization of ethical, respectful therapeutic modalities, that adhere to standards and best practices. Evaluation of a patient's status, including the use of appropriate outcome measures continually. Creation of care plans that meet the needs of the patient and empower the patient to participate in their health care while maximizing efficiency.

**ATRN 612 • Therapeutic Interventions II**

3 Credits.

Utilization of ethical, respectful therapeutic rehabilitation, that adhere to standards and best practices. Evaluation of a patient's status, including the use of appropriate outcome measures continually. Creation of care plans that meet the needs of the patient and empower the patient to participate in their health care while maximizing efficiency.

*Prerequisites: ATRN 611.*

**ATRN 613 • Therapeutic Interventions III**

3 Credits.

Performance of ethical, respectful therapeutic interventions. Creation of care plans. Correct identification of appropriate pharmacological agents. Proper administration of medications using enteral and parenteral route of administration. Management of a patient with a behavioral health crisis. Identification of patients with behavioral health conditions. Facilitation of case management.

*Prerequisites: ATRN 611, ATRN 612.*

**ATRN 630 • Introduction to Emergency Care**

3 Credits.

Introduction to the integration of plans of care for patients with acute conditions including triaging those that are life threatening. Examination of policies that pertain to emergency preparedness. Creation of care plans designed to meet and advocate for the needs of patients. Integration of restrictive, assistive, and prophylactic devices into care plan.

**ATRN 631 • Organization and Administration of Athletic Training**

3 Credits.

Application of business principles to the management and delivery of healthcare services. Evaluation of contemporary leadership models. Examination of the athletic trainer as a healthcare provider in the healthcare system. Reaction to situations that aligns with professional ethics, values and regulations. Development of risk management strategies in healthcare.

**ATRN 632 • Advanced Emergency Care**

3 Credits.

Integration of plans of care for patients with acute conditions including triaging those that are life threatening. Examination of policies that pertain to emergency preparedness. Creation of care plans designed to meet and advocate for the needs of patients. Integration of restrictive, assistive, and prophylactic devices into care plan.

**ATRN 633 • Current Topics in Athletic Training**

3 Credits.

Application of current treatment techniques of the injured physically active. Administration of medications utilizing best practices for appropriateness. Utilization of evidence-based practice to evaluate effectiveness of current treatment techniques.

Evaluation of current professional and legislative issues in athletic training. Creation of a professional development plan.

**ATRN 634 • Integrative Assessment and Application** 3 Credits.

Demonstration of ethical healthcare that advocates for the patient. Education of clients/patients on a variety of health related issues focusing on nutrition. Construction of exercise programs that promote a healthy lifestyle and maximize sport performance. Integration of biometrics/physiological monitoring systems. Translation of data into preventative measures, clinical interventions, and performance enhancement.

**ATRN 641 • Pathology and Medical Conditions** 3 Credits.

Explanation of basic pathologies and standard techniques and procedures for the clinical examination of common injuries, conditions, illnesses, and diseases. Identification of diagnostic tests and pharmaceutical agents to make clinical judgments. Application of principles of disease prevention and behavioral change. Implementation of prevention strategies for at-risk individuals/groups.

*Prerequisites:* ATRN 602.

**ATRN 642 • General Medical Assessment** 3 Credits.

The delivery of patient care, assessment and appropriate intervention or referral strategies for general medical conditions and disabilities. Completion of comprehensive examinations, development of clinical differential diagnoses and formulation of treatment plans.

**ATRN 650 • Evidence-Based Practice in Athletic Training** 3 Credits.

Application of research models to athletic training topics. Differentiation between quantitative and qualitative research. Make clinical decisions using evidence-based practice methods. Critically responding to research dilemmas in a way that aligns professional ethics and values. Application of basic statistical measures to clinical problems.

**ATRN 671 • Clinical Experience in Athletic Training I** 2-3 Credits.

Supervised athletic training experience focused on psychomotor and cognitive competencies. Integration of professional standards, codes, regulations, and technologies with effective patient assessment, treatment, and education. Ethical, collaborative practices and ongoing professional development planning. 250 hours over 18 weeks.

**ATRN 672 • Clinical Experience in Athletic Training II** 2-3 Credits.

Supervised athletic training experience focused on psychomotor and cognitive competencies. Integration of professional standards, codes, regulations, and technologies with effective patient assessment, treatment, and education. Ethical, collaborative practices and ongoing professional development planning. 250 hours over 18 weeks.

*Prerequisites:* ATRN 671.

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**ATRN 673 • Clinical Experience in Athletic Training III** 2-3 Credits.

Supervised athletic training experience focused on psychomotor and cognitive competencies. Integration of professional standards, codes, regulations, and technologies with effective patient assessment, treatment, and education. Ethical, collaborative practices and ongoing professional development planning. 250 hours over 18 weeks.

*Prerequisites:* ATRN 672.

**ATRN 674 • Clinical Experience in Athletic Training IV** 2-3 Credits.

Supervised athletic training experience focused on psychomotor and cognitive competencies. Integration of professional standards, codes, regulations, and technologies with effective patient assessment, treatment, and education. Ethical, collaborative practices and ongoing professional development planning. 250 hours over 18 weeks.

*Prerequisites:* ATRN 673.

**ATRN 750 • Athletic Training Master's Project I** 3 Credits.

Identification of an athletic training problem/issue and examination through theories and research. Analysis of literature and recommendation of evidence-based practices. Use of appropriate academic writing style.

**ATRN 790 • Athletic Training Master's Project II** 3 Credits.

Identification of an athletic training problem/issue and examination through theories and research. Analysis of literature and recommendation of evidence-based practices. Use of appropriate academic writing style. Continuation and completion of work from Athletic Training Master's Project I.

*Prerequisites:* ATRN 750.