

Academic Program Requirements – 3+2 – Master of Science in Athletic Training/Bachelor of Science in Sports Science (153-163 credits)

The 3+2 master of science degree in athletic training is specifically designed to prepare students to sit for the National Board of Certification Exam in athletic training and for entry into the profession. For the students' first 3 years, students will progress through the undergraduate sports science program and then for 2 years, students will progress through the masters in athletic training program. At the end of 5 years, students will matriculate with 2 degrees – a bachelor of science degree in sports science AND a master of science degree in athletic training. While it is ideal for students to complete this program through the undergraduate program in sports science at NMU, transfer students may be considered for admission, but may not be able to complete all requirements in 5 years.

Master's in Athletic Training (stand-alone/no 3+2)

In addition, students who have already completed a baccalaureate degree at NMU or another institution, may apply and be considered for admission into the masters component (63 credits), provided they have completed the required prerequisite courses. The list of **pre-requisite courses** can be found here:

<https://nmu.edu/graduatebulletin/athletic-training-ms>

The 3+2 requires the completion of the following 153-163 credits (students who have already completed a bachelor's degree are required to complete section 4 below):

1. 52 credits in the Sports Science major, which includes the following courses:

COURSE	TITLE	CREDIT
BI 207	Anatomy & Physiology I	4
BI 208	Anatomy & Physiology II	4
CH 111	General Chemistry I	5
CH 112	General Chemistry II	5
ES 295	Intro. To Health & Human Performance	2
ES 315	Exercise Physiology	4
ES 317	Anatomical Kinesiology	3
ES 417	Biomechanics	3
ES 421	Physiology of Sport & Exercise	3

HL 260	Applied Sport & Exercise Psychology	3
HL 125	Emergency Health Care for the HCP	3
HN 210	Human Nutrition	4

DATA 109 or PY 201	Intro. to Probabilities OR Psychological Statistics	4
PH 201	Physics I	5

*ES 422 is included as a core course in the sports science undergraduate major. However, students in the master's in AT program will take ES 422 as a graduate level course.

2. 30-40 credits of General Education Requirements as follows:

- a. Effective Communication Component – 2 courses (6-8 credits)
- b. Quantitative Reasoning & Analysis Component – 1 course (3-4 credits)
- c. Social Responsibility in a Diverse World Component – 1 course (3-4 credits)
- d. Integrative Thinking Component – 1 course (3-4 credits)
- e. Human Expression Component – 1 course (3-4 credits)
- f. Perspectives on Society Component – 2 courses (6-8 credits)
- g. Scientific Inquiry Component – 2 courses (6-8 credits)

3. 8 credits of Health Promotion and other required courses:

HP 200 – Physical Well Being (1 credit) - REQUIRED

HL 101 – Medical Terminology (1 credit) - RECOMMENDED

ATR 310 – Clinical Observation in AT I (1 credit) - RECOMMENDED

ATR 311 – Clinical Observation in AT II (1 credit) - RECOMMENDED

General Biology – BI 100 or BI 111 (4 credit) - REQUIRED

4. 63 credits of Master's Level courses in Athletic Training

COURSE	TITLE	CREDIT
ATR 541	Principles of Athletic Training	3

ATR 542	Orthopedic Taping and Bracing	2
ATR 520	Orthopedic Assessment I	4
ATR 591A	Clinical Skills in AT I	2
ATR 592A	Clinical Experience in AT I	3
ATR 521	Orthopedic Assessment II	4
ATR 580	Therapeutic Modalities	3
ATR 591B	Clinical Skills in AT II	2
ATR 592B	Clinical Experience in AT II	3
ATR 560	Therapeutic Exercise	4
ATR 585	Evidence Based Practice & Clinical Decision-Making	3
ATR 501	Pathology & Pharmacology for AT's	4

ATR 510	Healthcare Administration & Professional Behaviors	3
ATR 592C	Clinical Experience in AT III	3
ATR 550	Advanced Manual Therapies	3
ATR 590	AT Graduate Seminar and Capstone	3
ATR 575	Research Methods in AT	3
ATR 572	Internship in AT	8
ES 422	Sport Biomechanics	3