

not had internship hours previously supervised by the University of Lynchburg.

MASTER OF SCIENCE IN ATHLETIC TRAINING PROGRAM

Program Director: Dr. Debbie Bradney

Athletic training is an allied healthcare profession focusing on the prevention, treatment, and rehabilitation of injuries and illnesses occurring to physically active individuals. Athletic trainers find employment in secondary schools, colleges and universities, sports medicine clinics, professional sports programs, industrial settings, and other healthcare environments.

The mission of the professional Master of Science in Athletic Training Program is to educate students to become engaged and reflective health care providers through evidence-based medicine in a variety of clinical settings, active involvement in distinctive research, and the cultivation of professional behaviors. This will be achieved using multiple modes of instruction, close working relationships with committed faculty, staff, and peers, as well as a state-of-the-art cadaver lab and established research laboratories.

The Master of Science in athletic training is designed for students who have graduated from baccalaureate programs (not including CAATE accredited undergraduate athletic training programs) and who aspire to be athletic trainers. This degree combines didactic and clinical education to allow students to apply theoretical and practical athletic training knowledge in professional work settings. Students will engage in clinical educational experiences that will prepare them to pass the Board of Certification (BOC) Examination, which, in turn, will allow them to serve as entry-level certified athletic trainers. In addition, the program is designed to give students a foundation in evidenced based medicine through exposure to research design and while studying research methods. The program requires sixty-six credit hours for completion.

Entry into the athletic training major is competitive, and all students who apply may not be accepted into the program. In order to be considered for admission, students must have a:

1. QPA of 2.75 or higher;
2. A minimum of a C or higher in the following courses:
 - a. 8 credits of anatomy and physiology
 - b. 3 credits of kinesiology
 - c. 3 credits of exercise physiology
 - d. 3 credits of statistics;
3. Current CPR and AED training at the healthcare professional rescuer level.

The University of Lynchburg was granted accreditation for the Master of Science in Athletic Training graduate program from the Commission on Accreditation of Athletic Training Education (CAATE), 6850 Austin Center Blvd., Suite 100 Austin, TX 78731-3184 or 512.733.9700 on February 26, 2018. This program received a ten-year reaccreditation decision after a 2017-2018 CAATE self-study and site visit. Upon accreditation by CAATE and completion of this program, students will be eligible to sit for the Board of Certification (BOC) examination and pursue a career as a Certified Athletic Trainer (ATC).

			Hours
Required Courses:			
DPT	710	Human Gross Anatomy	6
AT	600	Care and Prevention in Athletic Training	3
AT	610	Evidence Based Practice	3
AT	620	Research Methods and Design	3
AT	625	Orthopedic Examination Techniques	4
AT	626	Orthopedic Examination Techniques II	4
AT	630	General Medical Conditions and Pharmacology	3
AT	650	Therapeutic Intervention I	4
AT	651	Therapeutic Intervention II	4
AT	660	Psychosocial Intervention	3
AT	670	Advance Exercise Physiology	3
AT	675	Sports and Exercise Nutrition	3
AT	680	Athletic Training Administration and Organization	3
AT	690	Professional Development in Athletic Training	3
			49
Clinical Education:			
AT	640	Clinical Education I	3
AT	642	Clinical Education II	3

AT	644	Clinical Education III	1
AT	646	Clinical Education IV	3
AT	648	Clinical Education V	3
			13
Thesis:			
AT	695	Thesis I	2
AT	695	Thesis II	2
			4
Elective:			
AT	665	CPR and First Aid Instructor Training	1
		<i>Total Hours Required</i>	<i>66</i>

CYBERSECURITY CERTIFICATE

Program Directors: Elmer Hoeksema and Arjen Jansen

The graduate certificate in cybersecurity is designed to take a student with a degree in a non-technical field and teach them the skill necessary to become a system/network administrator with an emphasis on cyber security. The certificate requires the completion of four 3 credit hour modules. The program can be taken in a hybrid format or fully online.

During each module students will work on a sequence of closed-ended individual problems to build competences and problem-solving skills and add proof of their approach and results to their portfolio. All assessment for the program consists of a series of oral exams per module, during which the student will defend their work and receive feedback and advise on their disposition. The faculty will support students in the form of coaching.

The program offers additional inclusion and diversity to students which are unable to travel to the University or work during the University hours (or are otherwise engaged). The students can work on their assignments at any location and at any time. Coaching and exam opportunities can be tailored to specific individual needs.

Students completing this program will be able to:

1. Administer IT Systems.
2. Apply security and forensic policies to IT Systems.
3. Apply and administer virtualization, distributed computing, kernel modules, databases, services, and libraries.
4. Apply “best practices” to establish and implement system/network policies and procedures.
5. Able to monitor system and network behavior and detect and diagnose anomalies related to security exploits.
6. Understand and comply with laws and ethical codes that are relevant to system/network administration.
7. Apply contemporary computer forensics tools to analyze and extract information from a computer system as part of a system incident response.
8. Assess risks and vulnerabilities to the system/network and develop contingency plans for security incident mitigation.
9. Detect defects in software that exposes the system to attack.
10. Develop administration related scripts, setup integrated development environments (IDEs), and administer configuration management systems.

Hours

Required Courses:

ITC	610	System Architecture and Administration	3
ITC	620	Distributed System Architecture and Administration	3
ITC	630	Cyber Security Fundamentals	3
ITC	640	Cyber Forensics Fundamentals	3

		<i>Total Hours Required</i>	<i>12</i>
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