

## MEDICAL LABORATORY SCIENCE AMP

All students must meet the Requirements for the Accelerated Master's Degree Pathway

**Medical Laboratory Science is currently not accepting applications to the Accelerated Master's Pathway.**

### OVERVIEW

The Accelerated Master's Degree Entry Pathway (AMP) in Medical Laboratory Science is designed to offer select UVM medical laboratory science students an opportunity to earn both the bachelor's degree and the master's degree in Medical Laboratory Science in 5 years. 6 credits toward the M.S. will be earned during the senior year; which will also count toward the B.S.. 6 credits will then be completed during the summer after college graduation, with all remaining requirements fulfilled in academic year 5.

The objective of this program is to prepare certified medical laboratory scientists for leadership roles in medical laboratory science practice and research. Graduates will have advanced training and expertise in evidence-based practice, scientific research, and healthcare management. Students in the AMP will complete the MLS Track 2 curriculum requirements.

Track 2 involves a research-based capstone project that will engage students in hands-on research methodology, experimental practice, and scientific communication. The capstone project provides students with the opportunity to develop important skills in evidence-based practice and clinically-related research (we are currently not accepting applications for Track 2).

Our faculty offer advanced practice courses in molecular methods, clinical laboratory correlations, emerging diagnostic technologies, healthcare leadership and management, quality, evidence-based practice, research design and methods; and research experiences to prepare graduates of both tracks to become future leaders in the profession.

### SPECIFIC REQUIREMENTS

#### REQUIREMENTS FOR ADMISSION TO GRADUATE STUDIES FOR THE DEGREE OF MASTER OF SCIENCE

Students should apply for admission into the AMP in Medical Laboratory Science in the beginning of the spring semester of their junior year. Consideration for admission requires the following:

- Must be a current 3<sup>rd</sup> year medical laboratory science student in good standing
- A minimum cumulative GPA of 3.00
- Completion of the Graduate College Application form
- Written personal statement
- Recommendation by a MLS faculty member

### MINIMUM DEGREE REQUIREMENTS

A minimum of 30 credits and successful completion of a comprehensive written exam are required for completion of the AMP in Medical Laboratory Science. In addition, students must successfully complete and defend a research-based capstone project.

Students must also meet the Graduate College requirements for the Master's Degree including maintaining a minimum GPA of 3.0.

30 credits of advanced practice coursework. Students should work closely with the program or their advisor on their academic plan.

FOURTH YEAR UNDERGRADUATE/FIRST YEAR GRADUATE DUAL ENROLLMENT		
Summer Session or Fall Semester		
STAT 5000	Biostatistics and Epidemiology	3
or STAT 5210	Advanced Stat Methods & Theory	
Spring Semester		
NH 6899	Fundamentals Critical Inquiry	3
FIFTH YEAR GRADUATE ONLY		
Summer Session		
MLS 6900	Clinical Leadership & Mgt	3
MLS 6500	Research and Design II	3
Fall Semester		
MLS 6300	Emerging Diag. Technologies	3
MLS 6600	Research Capstone	1-3
Approved Elective		3
Spring Semester		
PATH 6250	Genetics for Clinicians	3
GRNS 6280	Quality in Healthcare	3
MLS 6200	Clinical Correlations	3
MLS 6600	Research Capstone	1-3

### COMPREHENSIVE EXAMINATION

Students will complete a written comprehensive exam by the end of the spring semester of the fifth year.

### REQUIREMENTS FOR ADVANCEMENT TO CANDIDACY FOR THE DEGREE OF MASTER OF SCIENCE

Successful completion of the comprehensive exam and in academic good standing.