

A.A.S. Medical Laboratory Technician

Degree awarded by Bismarck State College

Program Description The mission of the Medical Laboratory Technician (MLT) program is to provide a high quality, learning-centered education in medical laboratory theory and practice that maximizes student learning and makes students partners in their education.

Medical laboratory technicians, under supervision of a physician or medical laboratory scientist, perform general laboratory tests that aid physicians in the diagnosis and treatment of disease.

Goals of the Medical Laboratory Technician program are to:

- Train competent MLTs with the knowledge and skills necessary for entry level proficiency in all areas of the medical laboratory science
- Provide a two-year associate degree program for students in the region
- Operate a program in which a maximum number of credits will fulfill requirements for four-year Medical Laboratory Science programs in the region.

The curriculum allows a student to meet employment and transferability goals. Students receive both theoretical and experiential study, including an internship through clinical affiliate Holy Rosary Healthcare in Miles City, MT.

Bismarck State College's MLT program is accredited by the National Accrediting Agency for Clinical Laboratory Science, 5600 N. River Road, Suite 720, Rosemont, ILL., 60018-5119. Phone: 1-773-714-8880.

Preparation Medical laboratory science is a demanding field. Success depends on self-discipline, self-motivation, self-reliance, integrity and the ability to work independently to solve problems and produce accurate laboratory results under stressful conditions. A strong science background with high school classes in chemistry, biology, and algebra is recommended.

Program Requirements The MLT program is highly selective and has a limited enrollment. Selection depends upon academic preparation as well as early date of application. An interview with program officials is required prior to acceptance. Purpose of the interview is to assist students in making the right career choice and to design a curriculum plan that affords the greatest opportunity for success. Students are required to earn a "C" or better in all prescribed science, math and technology courses and a minimum overall grade point average of 2.00 for successful completion of the program. Those completing the curriculum requirements receive an Associate in Science degree and are eligible to write the national board examination to become certified as a medical laboratory technician.

Career Opportunities: A critical shortage of clinical laboratory professionals exists throughout the nation. MLTs are in demand in clinical and research facilities, public health laboratories, and blood donor collection and processing centers.

Additional Information: Since the BSC Medical Laboratory Technician program began in 1978, graduates have achieved a 97% first-time pass rate on the national board certification examination.

For information, contact Program Director Mari Volk, 701-224-5669 or 701-323-5482, email mari.volk@bismarckstate.edu.

Program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check [Course Descriptions](#) to determine pre-requisites and should consult their advisor regarding the order in which to take courses. [General Education Elective Courses](#). This program is designed to meet educational requirements for a specific professional license or certification that is required for employment in an occupation. Miles Community College has not made a determination as to whether this program meets the education requirements for licensure in states other than Montana.

Miles Community College Student – Financial Aid issued by MCC

First Year Fall Semester	
CHMY 121/122 Intro to General Chemistry & Lab	3 and 1 credits
PSYX 100 Intro to Psychology	3 credits
WRIT 101 College Writing I	3 credits
STAT 216 Intro to Statistics	3 credits
MLS 103/104 Phlebotomy Fundamentals & Lab	3 and 1 credits
Total	17 credits
First Year Spring Semester	
BIOH 201/202 Human Anatomy & Physiology I & Lab	3 and 1 credits
CHMY 123/124 Intro to Organic and Biochemistry & Lab	3 and 1 credits
COMX 111 Intro to Public Speaking	3 credits
CAPP 131 Basic MS Office	3 credits
Total	14 credits
First Year Summer Semester	
BIOM 250/251 Microbiology for Health Sciences & Lab	3 and 1 credits
BIOH 211/212 Human Anatomy & Physiology II & Lab	3 and 1 credits
Total	8 credits

Miles Community College Student – Financial Aid issue

Second Year Fall Semester	
MLS 101 Intro to Medical Laboratory Science	1 credit
MLS 114/114L Urinalysis and Body Fluids & Lab	1 and 1 credits
MLS 230/230L Clinical Chemistry & Lab	2 and 1 credits
MLS 116/116L Clinical Parasitology and Mycology & Lab	1 and 1 credits
MLS 202/202L Immunology and Molecular Diagnostics & Lab	2 and 1 credits
Total	12 credits
Second Year Spring Semester	
MLS 221 Hemostasis	1 credit
MLS 222/222L Hematology & Lab	3 and 1 credits
MLS 242/242L Immunohematology & Lab	3 and 1 credits
MLS 250/250L Clinical Microbiology & Lab	2 and 2 credits
Total	13 credits
Second Year Summer Semester	
MLS 216 Clinical Experience I	3 credits
Total	3 credits
Third Year Fall Semester	
MLS 256 Clinical Experience II	5 credits

MLS 257 MLT Seminar	1 credit
Total	6 credits
Program Total	73 credits