PHLEBOTOMY TECHNICIAN

CERTIFICATE – 16 CREDITS

About this program

The Phlebotomy Technician program provides students with the training necessary for employment and advancement in the healthcare field. Upon satisfactory completion of classroom training at the college, each student is assigned to an affiliated clinical site for five weeks of daytime phlebotomy clinical experience. During this period, students perform phlebotomy and other related procedures under the direct supervision of a medical laboratory technician or technologist. Graduates of the one-semester Phlebotomy Technician program are eligible to take the Board of Certification examination of the American Society for Clinical Pathology (ASCP).

Program outcomes

1. Evaluate the importance of patient identification, collection, transport and processing of blood/body fluid specimens for analysis.
2. Safely collect and process biological specimens for analysis.
3. Perform accurate laboratory testing, including quality assurance and quality control procedures within the scope of practice.
4. Operate laboratory instruments/analyzers and perform preventative corrective maintenance when required within the scope of practice.
5. Apply basic scientific principles in learning new techniques and procedures.
6. Recognize factors that affect procedures and results and take appropriate actions within the scope of practice when corrections are indicated.
7. Demonstrate multitasking skills where a wide variety of testing procedures are performed.
8. Correlate didactic and clinical phases of laboratory testing in evaluation and interpretation of laboratory test data within the scope of practice.
9. Demonstrate professional conduct and interpersonal communication skills with patients, laboratory personnel, healthcare professionals and the public.
10. Recognize the responsibilities of other laboratory and healthcare personnel and interact with them with respect for their jobs and patient care.
11. Recognize and act upon individual needs for continued education as a function of growth and maintenance of professional competence.

Curriculum overview

Crds	Requirement type
13	Required courses
3	Restricted electives in special requirements
16	**Total**

Developmental courses note: A student may be required to enroll in developmental courses in reading, writing and math. A student's scores on the Accuplacer assessment will determine enrollment in developmental courses. The purpose of developmental courses is to prepare students for the demands of a college-level curriculum. *Credits may vary.*

Accreditation: Minnesota State Community and Technical College is accredited by the Higher Learning Commission, a regional accreditation agency recognized by the U.S. Department of Education. The Higher Learning Commission 230 South LaSalle Street, Suite 7-500 Chicago, IL 60604-1411

http://www.ncahigherlearningcommission.org Phone: 312.263.0456 / 800.621.7440

Curriculum requirement details

Required courses

Course	Crds
BIOL2260 - Human Anatomy and Physiology I	3
BIOL2261 - Human Anatomy and Physiology I Lab	1
MLT1109 - Phlebotomy Skills Lecture	1
MLT1112 - Clinical Phlebotomy	3
MLT1116 - Basic Lab Techniques Lecture	1
MLT1117 - Basic Lab Techniques Lab	1
MLT1119 - Phlebotomy Skills Lab	1
MLT2350 - Professional Issues in Medical Laboratory Technology	2

Other requirements or restricted electives

Special Requirement: 3 credits

- 3 Credits - Goal Area#1 - Communication

Course summaries

BIOL2260 - Human Anatomy and Physiology I ..... ***(3 credits)***
Meets MnTC Goal Area 3. This course is a comprehensive introductory overview of human anatomy and physiology that includes basic fundamental concepts of cell biology, tissues and organs making up the integumentary, skeletal, muscular and nervous systems. It is the first of a two-semester sequence in which anatomy and physiology are studied with an emphasis on structure and functions of systems. This course contains a lab-like component.

Prerequisites:

- Assessment into ENGL 1101 or college level writing equivalent.

BIOL2261 - Human Anatomy and Physiology I Lab ..... ***(1 credits)***
Meets MnTC Goal Area 3 when taken with BIOL 2260. This course is the laboratory component of a comprehensive introductory overview of human anatomy and physiology that includes basic fundamental concepts of cell biology, tissues and organs making up the integumentary, skeletal, muscular and nervous systems. This course is the first of a two-semester sequence in which anatomy and physiology are studied with an emphasis on structure and functions of systems.

Prerequisites:

- Assessment into ENGL 1101 or College Level writing equivalent.

Corequisites:

- BIOL 2260

MLT1109 - Phlebotomy Skills Lecture ..... ***(1 credits)***
This course is designed for phlebotomy and Medical Laboratory Technician students. The course covers didactic knowledge and performance of venipuncture, capillary and arterial blood draws. It also emphasizes other body fluid collection, specimen processing, point-of-care analysis and specimen storage.

MLT1112 - Clinical Phlebotomy ..... ***(3 credits)***
This course provides clinical phlebotomy experience for phlebotomy technician students in an affiliate hospital/clinic laboratory under the supervision of qualified technicians and technologists. Training includes blood and body fluid collection, processing and storage.

Corequisites:

- MLT1109
- MLT1119

MLT1116 - Basic Lab Techniques Lecture ..... ***(1 credits)***
This is an introductory course for Medical Laboratory Technology students covering the techniques, interpretation and correlation of results in urinalysis, hematology, chemistry, immunology, microbiology and immunohematology. Other topics included in the course are instrumentation, preparation of reagents, quality assurance and quality control, specimen collection, transportation, analysis and result reporting.

Corequisites:

- Must be taken with Lab MLT 1117

MLT1117 - Basic Lab Techniques Lab ..... ***(1 credits)***
This is an introductory course for Medical Laboratory Technology students covering the techniques, interpretation and correlation of results in urinalysis, hematology, chemistry, immunology, microbiology and immunohematology. Other topics included in the course are instrumentation, preparation of reagents, quality assurance and quality control, specimen collection, transportation, analysis and result reporting.

Corequisites:

- MLT1116

MLT1119 - Phlebotomy Skills Lab ..... ***(1 credits)***
This course is designed for phlebotomy and Medical Laboratory Technician students. The course covers knowledge and performance of venipuncture, capillary and arterial blood draws. It also emphasizes other body fluid collection, specimen processing, point-of-care analysis and specimen storage.

Corequisites:

- MLT1109

MLT2350 - Professional Issues in Medical Laboratory Technology ..... ***(2 credits)***
This course surveys professional issues in preparation for career entry. Emphasis is placed on professional issues, ethics, current topics in health care delivery, governmental regulations, state licensure, societal concerns, cultural diversity, disease prevention, research, public health and environmental testing.

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Program Plan — "Phlebotomy Technician - Fall"

Locations: Moorhead

1st Fall Term (16 credits)

Courses

Course	Crds
BIOL2260 - Human Anatomy and Physiology I	3
BIOL2261 - Human Anatomy and Physiology I Lab	1
MLT1109 - Phlebotomy Skills Lecture	1
MLT1112 - Clinical Phlebotomy	3
MLT1116 - Basic Lab Techniques Lecture	1
MLT1117 - Basic Lab Techniques Lab	1
MLT1119 - Phlebotomy Skills Lab	1
MLT2350 - Professional Issues in Medical Laboratory Technology	2

3 credits in one or more of the following:

3 Credits - Goal Area#1 - Communication