

Lake Superior College

Program Planner

Created on: 03/01/05

Updated: 02/09/11

Effective: *Fall 2011*

Qualified applicants should be aware that program class sizes are limited, which may delay acceptance into the program.

You may be required to complete additional (or less) coursework, dependent upon the results of your Computerized Placement Test (CPT) and/or previous coursework completed or certifications awarded.

General Education courses required by this program may be taken during any term, as long as the specific prerequisites for that course have been met. Please check with your advisor.

Program: **Medical Laboratory Technician**

Degree Type: **Associate in Applied Science**

Total Required Credits: **64**

Pre-program Requirements

Successful entry into this program requires a specific level of skill in the areas of English, mathematics, and reading. Program entry will depend, in part, on meeting the prerequisites listed below:

English:

- A score of 86 or higher on the Sentence Skills portion of the CPT, OR
- Completion of ENGL0460 or its equivalent transfer course or higher with a grade of "C" or better.
- If required, ENGL0460 may not be taken concurrently with Semester I coursework.

Mathematics:

- A score of 71 or higher on the Elementary Algebra Skills portion of the CPT, OR
- Completion of MATH0460 or its equivalent transfer course or higher with a grade of "C" or better.
- If required, MATH0460 may not be taken concurrently with Semester I coursework.

Reading:

- A score of 78 or higher on the Reading Comprehension portion of the CPT, OR
 - Completion of READ0465 or its equivalent transfer course or higher with a grade of "C" or better.
 - If required, READ0465 may not be taken concurrently with Semester I coursework.
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Required Pre-technical Courses

(Pre-technical courses must be completed before the student will be considered for full program entry.)

Course ID# (concurrent)	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
FYE1000 (Yes)	Intro to College (None) NOTE: This course is highly recommended to be taken prior to program start, but may be taken concurrently during Semester I of the program.	F/S	1	
ALTH1410 (No)	Medical Terminology (READ0465)	F/S	1	
BIOL1000	Human Body in Health and Disease (College-level reading and writing) OR NOTE: BIOL1140 and BIOL1141 are required for progression to a Bachelor's Degree in Medical Technology.	F/S/ SUM	5	
CHEM1110	Aspects of Chemistry I (MATH0460 or MATH1420) OR NOTE: CHEM1210 and CHEM1211 are required for progression to a Bachelor's Degree in Medical Technology.	F/S	3	
Total Pre-technical Credits			10	

NOTE: Prior to taking any MLTN courses, all courses listed above must be completed with a grade of "C" or better and a GPA of 2.6 or better.

Semester I

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
COMM1100 OR COMM1105 OR ENGL1106	Introduction to Communication (College-level reading and writing) OR Interpersonal Communication (College-level reading and writing) OR Composition I (College-level reading and writing)	F/S F/S F/S	3 (3) (3)	
MLTN1400	Introductory Medical Laboratory Techniques and Instrumentation (Enrollment in the MLT program or instructor's consent)	F	4	
MLTN1404	Specimen Collection Skills and Techniques (Enrollment in the MLT program or instructor's consent)	F	2	

MLTN1410	Immunology and Serology (Enrollment in the MLT program or instructor's consent)	F	3	
Total Credits for Term			12	

Semester II

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
MLTN1420	Hematology (Admission to the MLT program, completion of MLTN1400 and MLTN1404, or instructor's consent)	S	3	
MLTN1422	Medical Microbiology (Admission to the MLT program, completion of MLTN1400, MLTN1404, and MLTN1410, or instructor's consent)	S	5	
MLTN1424	Urinalysis and Body Fluids (Admission to the MLT program, completion of MLTN1400 and MLTN1404, or instructor's consent)	S	2	
MLTN1426	Immunochemistry (Admission to the MLT program, completion of MLTN1410, or instructor's consent)	S	2	
MLTN1428	Clinical Chemistry (Admission to the MLT program, completion of MLTN1400, or instructor's consent)	S	3	
Total Credits for Term			15	

Semester III

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
MLTN2420	Special Hematology (Admission to the MLT program, completion of MLTN1420, or instructor's consent)	F	3	
MLTN2422	Special Microbiology (Admission to the MLT program, completion of MLTN1422, or instructor's consent)	F	2	
MLTN2426	Special Immunochemistry (Admission to the MLT program, completion of MLTN1426, or instructor's consent)	F	2	
MLTN2428	Special Clinical Chemistry (Admission to the MLT program, completion of MLTN1428, or instructor's consent)	F	3	

ALTH1440 OR PHIL1130	Medical Ethics and the Law (READ0465) OR Ethics (College-level reading and writing)	F/S	1 (3)	
PSYC1135 OR PSYC1120 OR SOC1111	Lifespan Developmental Psychology (PSYC1120 and READ1450 highly recommended; college-level reading and writing) OR General Psychology (College-level reading and writing) OR Introduction to Sociology (College-level reading and writing)	F/S F/S F/S	3 (3) (3)	
Total Credits for Term			14	

NOTE: Current certification in American Heart Association: BLS Healthcare Provider or American Red Cross: CPR/AED for the Professional Rescuer is required prior to beginning the clinical internship. Current certification needs to be documented in the student file prior to going out on the clinical internship (MLTN2505 and MLTN2510). ALTH1430 will satisfy this requirement. Background Study approval is required from the State of Minnesota and/or Wisconsin as well as a criminal background study through Verified Credentials, Inc.

Semester IV

Course ID#	Course Title (Pre-reqs)	Term	Credits	Grade/ Term
MLTN2500	Medical Laboratory Technician Seminar (Admission to the MLT program and enrollment in the Internship portion of the Medical Laboratory Technician program or instructor's consent)	S	1	
MLTN2505	Clinical Practicum I (Admission to the MLT program and completion of MLTN1400, MLTN1404, MLTN1420, MLTN1424, MLTN1428, MLTN2420, and MLTN2428; or instructor's consent)	S	6	
MLTN2510	Clinical Practicum II (Admission to the MLT program and completion of MLTN1410, MLTN1422, MLTN1426, MLTN2422, and MLTN2426; or instructor's consent)	S	6	
Total Credits for Term			13	

NOTE: All courses must be completed with a "C" or better.

- *All courses in diploma and/or certificate programs are acceptable for credit toward Lake Superior College degree programs as indicated on individual program planners.*
- *This is not a contract; Lake Superior College reserves the right to change the planner as necessary.*
- *This document can be made available in alternative formats, such as large print, Braille, or audio tape, by calling 733-7650 or MRS/TTY 800-627-3529.*