

Medical laboratory science professionals are vital healthcare detectives, uncovering and providing information from analysis of blood and body fluids. The results assist clinicians in patient diagnosis and treatment, as well as in disease monitoring or prevention (maintenance of health). Medical laboratory science professionals generate accurate laboratory data that are needed to aid in detecting cancer, heart attacks, leukemia, diabetes, infectious diseases, as well as drugs of abuse. Our MLT and MLS programs include on-campus courses in several disciplines such as clinical chemistry, hematology, immunology, blood bank, microbiology, and molecular biology. Students get experience using sophisticated biomedical instrumentation, computer information systems and learn to perform analytical methods that require manual dexterity. After completion of the courses on campus, students are assigned to a medical laboratory for an internship. Graduates of the MLT and MLS program are eligible to sit for a national board exam and become a certified laboratory professional.

**Communication Competency Course Requirements**

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
ENGL 150	English 1	3	EN 100 or EN 101	College Writing or English Composition 1	3
ENGL 250	English 2	3	EN 102	English Composition 2	3

**Quantitative Literacy Course Requirements**

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
MATH 115 or MATH 117	Intermediate Algebra or Contemporary Mathematics	3	MA 107 or MA 124	Intermediate Algebra or Math for Liberal Arts	4

**Natural Sciences Competency Course Requirements - 1 course with lab**

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
BIOL 108	Medical Microbiology	3	BI 126	Medical Microbiology	2

**Self and Society Competency Course Requirements – Minimum 3 credits**

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
Varies	FSU General Education – Self and Society Competency	3	Varies	Varies	3

**Culture Competency Course Requirements - Minimum 3 credits**

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
Varies	FSU General Education - Culture Electives	3	Varies	Varies	3

**Additional General Education Course Requirements**

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
COMM 105 or COMM 121 or COMM 221	Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making	3	COM 135 or COM 131 or No Equivalent	Interpersonal Communication or Fundamentals of Public Speaking or No Equivalent	3
BIOL 205	Human Anatomy and Physiology	5	BI 121 and BI 122	Human Anatomy and Physiology 1 and Human Anatomy and Physiology 2	8
CHEM 114	Introduction to General Chemistry	4	CHM 120	Survey of General Chemistry	5
CHEM 214	Fundamentals of Organic Chemistry	4	CHM 240	Survey of Organic Chemistry	4

**[Ferris State University General Education Program](#)**

Students are encouraged to work with an advisor to select appropriate general education courses

**Major Requirements**

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
CLLS 101	Clinical Laboratory Science Orientation	1	No Equivalent	No Equivalent	No Equivalent
CLLS 122	Introduction to Specimen Collection	2	No Equivalent	No Equivalent	No Equivalent
CLLS 123	Specimen Collection Laboratory	1	No Equivalent	No Equivalent	No Equivalent
CLLS 216	Clinical Chemistry	3	No Equivalent	No Equivalent	No Equivalent
CLLS 217	Clinical Chemistry Laboratory	1	No Equivalent	No Equivalent	No Equivalent
CLLS 218	Body Fluid Analysis	1	No Equivalent	No Equivalent	No Equivalent

**Ferris State University and Grand Rapids Community College – Medical Laboratory Technology AAS - Transfer Guide**

Effective Spring 2019

Ferris State University is an equal opportunity institution. For information on the University's Policy on Non-Discrimination, visit [ferris.edu/non-discrimination](http://ferris.edu/non-discrimination).

**Major Requirements** continued

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
CLLS 219	Hemostasis	1	No Equivalent	No Equivalent	No Equivalent
CLLS 220	Body-Fluid Hemostasis Laboratory	1	No Equivalent	No Equivalent	No Equivalent
CLLS 231	Hematology	2	No Equivalent	No Equivalent	No Equivalent
CLLS 232	Hematology Laboratory	1	No Equivalent	No Equivalent	No Equivalent
CLLS 236	Diagnostic Microbiology	2	No Equivalent	No Equivalent	No Equivalent
CLLS 237	Diagnostic Microbiology Laboratory	2	No Equivalent	No Equivalent	No Equivalent
CLLS 241	Medical Virology /Mycology /Parasitology	2	No Equivalent	No Equivalent	No Equivalent
CLLS 242	Medical Virology / Mycology /Parasitology Laboratory	1	No Equivalent	No Equivalent	No Equivalent
CLLS 252	Introduction to Clinical Immunology	2	No Equivalent	No Equivalent	No Equivalent
CLLS 253	Introduction to Clinical Immunology Laboratory	1	No Equivalent	No Equivalent	No Equivalent
CLLS 256	Stimulated Laboratory for MLT	3	No Equivalent	No Equivalent	No Equivalent
CLLS 258	Immunoematology	2	No Equivalent	No Equivalent	No Equivalent
CLLS 259	Immunoematology Laboratory	1	No Equivalent	No Equivalent	No Equivalent
CLLS 281	Clinical Laboratory Science Theory for MLT	1	No Equivalent	No Equivalent	No Equivalent
CLLS 292	Clinical Experience 1 for MLT	6	No Equivalent	No Equivalent	No Equivalent
CLLS 293	Clinical Experience 2 for MLT	5	No Equivalent	No Equivalent	No Equivalent

**Core Curriculum**

FSU Course	FSU Course Title	FSU Cr. Hrs.	GRCC Equiv.	GRCC Course Title	GRCC Cr. Hrs.
COHP 100	Orientation to Medical Vocabulary	1	GH 110	Medical Terminology	1
COHP 101	The U. S. Health Care System	3	No Equivalent	No Equivalent	No Equivalent
COHP 102	Safety Issues in Health Care	1	No Equivalent	No Equivalent	No Equivalent
<b>Total Credits Required for Degree</b>					<b>81</b>

**Program Contact Information:****Main Campus, Big Rapids****College of Health Professions**(231) 591-2270 | [College of Health Professions Email](#)[Transfer Partnerships Webpage](#)**Delivery Locations**

This degree and the Ferris courses are offered at the following locations:

- Ferris State University, Big Rapids Campus, Big Rapids Mi
- Select courses may be delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at an off-campus location)

**General Admission Criteria****Admission Requirements to the University****Transfer Students**

- Must have a 2.0 GPA

**Admission Requirements to the Professional Sequence****Transfer Students Total community college credits, Ferris credits, and total credits required for degree.**

- Must be admitted to the University.
- Must have earned a minimum grade of "C" or higher in the following" MATH 115 or 117, CHEM 114, CHEM 214, BIOL 205, BIOL 108 or BIOL 286
- Must have a 2.5 GPA
- All MATH, BIOL, and CHEM courses must meet the above requirements within two attempts. A withdrawal, W grade counts as an attempt.

**Advising Notes**

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, and have any questions answered prior to completing an application. Students who are completing the MTA may have different general education course requirements for the particular degree selected. Meeting with a Ferris advisor prior to the selection of general education or elective course work may reduce the chance of completing a course that will not apply toward the selected degree. Once admitted, students must continue to meet with an advisor as they work toward graduation.

**Transfer Student Orientation**

All new students to Ferris State University are required to complete an orientation.

**Online Learning**

Select courses delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at an off-campus location). The "Online Readiness Tutorial" is required for students who register for an online *course* or are completing an online *degree*. Students must demonstrate competency in Blackboard skills. This may be done by taking a tutorial and quiz, or, for students who have already taken and passed online courses, they can submit a waiver request. Students should check with the department that offers the class to determine its particular needs and/or the Ferris advisor regarding registration for online course work.

**Reverse Transfer Agreement**

The Community College and Ferris have entered into a partnership in order to work collaboratively and creatively to increase student completion of associate and bachelor degrees. The partners work together to provide a seamless transfer experience and increase student retention and completion at both the community college and Ferris.

**Michigan Transfer Agreement (MTA)**

Ferris participates in the Michigan Transfer Agreement (MTA). This agreement will facilitate the transfer of general education requirements from one Michigan institution to another. Students may complete the MTA as part of a degree program or as a stand-alone package. The MTA consists of a minimum of 30 general education credit hours as identified by the college or university.

Students transferring to Ferris with the Michigan Transfer Agreement (MTA) and entering a degree program will have met a 30-hour block of lower-level general education courses. However, this does not exempt students from completing program specific prerequisites or higher-level general education course requirements. Students should contact their advisor regarding classes that meet the MTA.

Students must work with their Ferris advisor to declare a Minor or Concentration and for selection of Directed Electives.

**Disclaimer**

This is a guide for students who plan to transfer to Ferris State University. This guide is not intended to be a contract with Ferris. The information on this guide is subject to change. Students should contact their community college or Ferris to keep informed of changes. Final responsibility for verifying all transfer information lies with the student. Please refer to effective and/or revised date on the bottom of this guide.