

In the Medical Laboratory Technician and Medical Laboratory Science programs, you'll learn how to perform and interpret the results of tests on the samples that were collected by phlebotomists and others. You'll learn how to provide blood products for patients needing a transfusion, how to identify which bacteria are causing an infection, how to identify the blood cells that cause leukemia, and how to detect and measure chemicals in the blood such as cholesterol, drugs, and hormones. Then you'll be assigned to a clinical affiliate for more practice in an actual clinical laboratory.

Communication Competency Course Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
ENGL 150	English 1	3	ENGL 1180 Or ENGL 1210	Communications 1 Or Composition 1	3-4
ENGL 250	English 2	3	ENGL 1190 Or ENGL 1220	Communications 2 Or Composition 2	3-4

Quantitative Literacy Course Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
MATH 115 or MATH 117	Intermediate Algebra or Contemporary Mathematics	3	MATH 1000 Or MATH 1100	Intermediate Algebra Or Everyday Mathematics	4

Natural Sciences Competency Course Requirements - 1 course with lab

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
BIOL 108	Medical Microbiology	3	BIOL 2730	Pathogenic Microbiology	4

Self and Society Competency Course Requirements – Minimum 3 credits

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC 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.	MCC Equiv.	MCC Course Title	MCC 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.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
COMM 105 or COMM 121 or COMM 221	Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making	3	SPCH 1100 Or SPCH 1060 Or SPCH 1200	Interpersonal Communication Or Fundamentals of Public Speaking Or Group Discussion/Leadership	3
BIOL 205	Human Anatomy and Physiology	5	BIOL 2310	Human Anat & Physiology	5
CHEM 114	Introduction to General Chemistry	4	CHEM 1170 And CHEM 1180	General Chemistry 1 And Principles of Chemistry	8
CHEM 214	Fundamentals of Organic Chemistry	4	CHEM 2260 & CHEM 2270 And CHEM 2280	Organic Chemistry 1 and Lab And Organic Chemistry 2 and Lab	10

[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.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
CLLS 101	Clinical Laboratory Science Orientation	1	HHSC	Hlth & Hmn Srv Crs 1st Yr Elec	1
CLLS 122	Introduction to Specimen Collection	2	HHSC	Hlth & Hmn Srv Crs 1st Yr Elec	2
CLLS 123	Specimen Collection Laboratory	1	HHSC	Hlth & Hmn Srv Crs 1st Yr Elec	1
CLLS 216	Clinical Chemistry	3	HHSC	Hlth & Hmn Srv Crs 2nd Yr Elec	3
CLLS 217	Clinical Chemistry Laboratory	1	HHSC	Hlth & Hmn Srv Crs 2nd Yr Elec	1
CLLS 218	Body Fluid Analysis	1	HHSC	Hlth & Hmn Srv Crs 2nd Yr Elec	1
CLLS 219	Hemostasis	1	HHSC	Hlth & Hmn Srv Crs 2nd Yr Elec	1
CLLS 220	Body-Fluid Hemostasis Laboratory	1	HHSC	Hlth & Hmn Srv Crs 2nd Yr Elec	1
CLLS 231	Hematology	2	HHSC	Hlth & Hmn Srv Crs 2nd Yr Elec	2
CLLS 232	Hematology Laboratory	1	HHSC	Hlth & Hmn Srv Crs 2nd Yr Elec	1
CLLS 236	Diagnostic Microbiology	2	HHSC	Hlth & Hmn Srv Crs 2nd Yr Elec	2
CLLS 237	Diagnostic Microbiology Laboratory	2	HHSC	Hlth & Hmn Srv Crs 2nd Yr Elec	2
CLLS 241	Medical Virology/Mycology/Parasitology	2	HHSC	Hlth & Hmn Srv Crs 2nd Yr Elec	2
CLLS 242	Medical Virology/Mycology/Parasitology Laboratory	1	GNRL	Gnrl Elctv 200+ Lvl Trnsfr Crd	1
CLLS 252	Introduction to Clinical Immunology	2	HHSC	Hlth & Hmn Srv Crs 2nd Yr Elec	2
CLLS 253	Introduction to Clinical Immunology Laboratory	1	HHSC	Hlth & Hmn Srv Crs 2nd Yr Elec	1
CLLS 256	Stimulated Laboratory for MLT	3	No Equivalent	No Equivalent	No Equivalent
CLLS 258	Immunohematology	2	HHSC	Hlth & Hmn Srv Crs 2nd Yr Elec	1
CLLS 259	Immunohematology Laboratory	1	HHSC	Hlth & Hmn Srv Crs 2nd Yr Elec	1
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 – 5 Credits Required

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
COHP 100	Orientation to Medical Vocabulary	1	No Equivalent	No Equivalent	No Equivalent
COHP 101	The U.S. Health Care Systems	3	No Equivalent	No Equivalent	No Equivalent
COHP 102	Safety Issues in Health Care	1	No Equivalent	No Equivalent	No Equivalent

Total Credits Required for Degree**81****Program Contact Information:****Main Campus, Big Rapids****College of Health Professions**(231) 591-2270 | [College of Health Professions Email](#) | [College of Health Professions Webpage](#)[Transfer Partnerships](#)**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

Ferris State University and Macomb Community College – Medical Laboratory Technology AAS - Transfer Guide

Effective Fall 2018

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

- 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.