

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. | SC4 Equiv. | SC4 Course Title | SC4 Cr. Hrs. |
|------------|------------------|--------------|------------|-----------------------|--------------|
| ENGL 150 | English 1 | 3 | ENG 101 | English Composition 1 | 3 |
| ENGL 250 | English 2 | 3 | ENG 102 | English Composition 2 | 3 |

Quantitative Literacy Course Requirements

| FSU Course | FSU Course Title | FSU Cr. Hrs. | SC4 Equiv. | SC4 Course Title | SC4 Cr. Hrs. |
|-------------------------|---|--------------|--------------------------|---|--------------|
| MATH 115 or MATH 117 | Intermediate Algebra or Contemporary Mathematics | 3 | MTH 104 or MTH 110 | Foundations of Math or Intermediate Algebra | 3-4 |

Natural Sciences Competency Course Requirements - 1 course with lab

| FSU Course | FSU Course Title | FSU Cr. Hrs. | SC4 Equiv. | SC4 Course Title | SC4 Cr. Hrs. |
|------------|----------------------|--------------|------------|----------------------|--------------|
| BIOL 108 | Medical Microbiology | 3 | BIO 205 | Medical Microbiology | 4 |

Self and Society Competency Course Requirements – Minimum 3 credits

| FSU Course | FSU Course Title | FSU Cr. Hrs. | SC4 Equiv. | SC4 Course Title | SC4 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. | SC4 Equiv. | SC4 Course Title | SC4 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. | SC4 Equiv. | SC4 Course Title | SC4 Cr. Hrs. |
|--|--|--------------|---|--|---------------|
| COMM 105 or COMM 121 or COMM 221 | Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making | 3 | No Equivalent Or SPC 101 or SPC 205 | No Equivalent or Speech Communication or Discussion/Conference | 3 |
| BIOL 205 | Human Anatomy and Physiology | 5 | BIO 271 and BIO 272 | Anatomy & Physiology 1 and Anatomy & Physiology 2 | 8 |
| CHEM 114 | Introduction to General Chemistry | 4 | No Equivalent | No Equivalent | No Equivalent |
| CHEM 214 | Fundamentals of Organic Chemistry | 4 | No Equivalent | No Equivalent | No Equivalent |

[Ferris State University General Education Program](#)

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

Major Requirements – 42 Credits Required

| FSU Course | FSU Course Title | FSU Cr. Hrs. | SC4 Equiv. | SC4 Course Title | SC4 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 |
| 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 | Immunohematology | 2 | No Equivalent | No Equivalent | No Equivalent |
| CLLS 259 | Immunohematology 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 – 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 | OA 280 | Orientation to Medical Vocabulary | 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

- 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.