

Ferris Program: Diagnostic Medical Sonography

Degree Type: Associate of Applied Science

Ferris College: College of Health Professions

Transfer School: Montcalm Community College

Consortium Eligible: No

Total Credits Required: 84-85

Catalog Year: 2024-2025

GENERAL EDUCATION REQUIREMENTS – 26-27 Credits Required

Students are encouraged to work with an advisor to select appropriate general education courses. Ferris State University General Education www.ferris.edu/gened.

Communication Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
* ENGL 150	English 1	3	ENGL 100
ENGL 250	English 2	3	ENGL 101

* This course is a qualifying course for entry into the Diagnostic Medical Sonography (DMS) major and is used to meet some University General Education Requirements and College of Health Professions (COHP) Core Curriculum requirements.

Quantitative Literacy Competency

Requirements for Quantitative Literary Competency can be met with the following:

- Official Pre-2016 Math SAT Score of 560 or Higher
- Official Post-2016 Math SAT Score of 580 or Higher
- Official Math ACT Score of 24 or Higher

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
* MATH 115 or MATH 116 or MATH 117 or MATH 120	Intermediate Algebra or Intermediate Algebra and Numerical Trigonometry or Contemporary Mathematics or Trigonometry	3 or 4 or 4 or 3	MATH 104 or No Equivalent or MATH 102 or MATH 120

* This course is a qualifying course for entry into the Diagnostic Medical Sonography (DMS) major and is used to meet some University General Education Requirements and College of Health Professions (COHP) Core Curriculum requirements.

Natural Sciences Competency

One course is required with a minimum of 3 credits: must be a lab course.

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
* BIOL 109	Basic Human Anatomy and Physiology	4	BIOL 105

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Culture Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PHIL 220 or PHIL 320	Ethics in Health Care or Biomedical Ethics	3	No Equivalent or PHIL 222

Self and Society Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PSYC 150	Introduction to Psychology	3	PSYC 120

Additional General Education Requirements

These courses are additional General Education courses to meet the requirements for this specific program.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 105 or COMM 221	Interpersonal Communication or Small Group Decision Making	3	COMM 220 or COMM 230
* PHYS 130	Concepts in Physics	4	No Equivalent

* This course is a qualifying course for entry into the Diagnostic Medical Sonography (DMS) major and is used to meet some University General Education Requirements and College of Health Professions (COHP) Core Curriculum requirements.

COLLEGE REQUIREMENTS – 58 Credits Required

College of Health Professions (COHP) Core Curriculum

5 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
* COHP 100	Orientation to Medical Vocabulary	1	AHEA 215
COHP 101	The United States Health Care System	3	No Equivalent

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COHP 102	Safety Issues in Health Care	1	No Equivalent

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Major Courses

53 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SONO 100	Introduction to Diagnostic Medical Sonography	1	No Equivalent
SONO 102	Introduction to Sonographic Imaging	1	No Equivalent
SONO 104	Introduction to Ultrasound Physics	3	No Equivalent
SONO 105	Sonography Physics Principles Lab	1	No Equivalent
SONO 111	Pathophysiology of Abdominal Organs	4	No Equivalent
SONO 112	Abdominal Imaging Lab	1	No Equivalent
SONO 115	Sonographic Cross Sectional Anatomy	1	No Equivalent
SONO 117	Introduction to Sonographic Interpretation	2	No Equivalent
SONO 118	Gynecology Imaging	1	No Equivalent
SONO 119	Gynecology Imaging Lab	1	No Equivalent
SONO 121	Introduction to Obstetrics and Gynecology Imaging	2	No Equivalent
SONO 122	Obstetrics and Gynecology Imaging Lab	1	No Equivalent
SONO 131	Hemodynamics and Doppler Principles of Sonography	1	No Equivalent
SONO 132	Hemodynamics and Doppler Lab	1	No Equivalent
SONO 280	Clinical Internship 1	8	No Equivalent

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SONO 281	Small Parts and Invasive Procedures	4	No Equivalent
SONO 282	Clinical Internship 2	8	No Equivalent
SONO 283	Obstetrics and Gynecology Imaging 2	3	No Equivalent
SONO 284	Clinical Internship 3	5	No Equivalent
SONO 285	Sonographic Interpretation 2	3	No Equivalent
SONO 287	Management in Diagnostic Medical Sonography	1	No Equivalent

PROGRAM CONTACT INFORMATION

College of Health Professions

Department of Diagnostic, Laboratory and Therapeutic Sciences

(231) 591-2270

CHP@Ferris.edu

Ferris Statewide - Montcalm Community College

(616) 451-4777

FSUGR@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- 2.70 High School GPA (on a 4.00 scale) (2.50 -2.69 with college approval)
- Minimum Composite Score of ACT 18/SAT 950 OR 3.0 High School GPA (on a 4.00 scale) and Composite ACT 17/SAT 900

Transfer Student Admission Requirements

- 2.00 GPA (on a 4.00 scale)

Admission Requirements to the Professional Sequence

- Obtain a grade of B- or higher in the following courses: BIOL 109, MATH 115, and PHYS 130
- Obtain a grade of C or higher in the following course: COHP 100
- Obtain a grade of C- or higher in the following course: ENGL 150 All MATH, BIOL, and CHEM courses must meet the above requirements within two attempts. A withdrawal, W grade, counts as an attempt.
- Application Accepted: February 1st - 15th prior to fall semester requested.

MORE INFORMATION

To fulfill the residency requirement for a bachelor's degree a student must earn a minimum of 30 credits from Ferris State University.

Steps to Apply

- Complete your [free application](#).

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- Submit official transcripts
 - Submit official transcripts from every school attended to Transfer@Ferris.edu
 - Or mail to:
Ferris State University Admissions Office
1201 S. State St., CSS 201
Big Rapids, MI 49307
- Submit test scores (if required)
 - ACT Scores; go to the [ACT website](#) - Ferris State University School Code: 1994
 - SAT, CLEP and AP Scores; go to the [College Board website](#) - Ferris State University School Code: 1222

Advising Notes

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, transfer policies and have any questions answered prior to completing an application. Ferris accepts transfer courses in which the student earned a letter grade of "C" or better. Additional policies such as the Ferris Sunset and Residency Requirement should be discussed with a Ferris advisor. 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 coursework may reduce the chance of completing a course that will not apply toward the selected degree. Students must work with their Ferris advisor to declare a Minor or Concentration and for the selection of Directed Electives.

Once admitted, students are required to complete an orientation and should continue to meet with an advisor as they work toward graduation.

To schedule an appointment or for additional transfer resources and policies see our [Transfer Resource page](#).

*Indicates an approved Ferris course substitution

Reverse Transfer Agreement

Ferris has reverse transfer agreements with several Michigan Community Colleges. Under such agreement, Ferris will provide your official University transcript to a partner school you have attended, so that they may grant you an associate or bachelor's degree upon completion of sufficient and appropriate credit hours from both institutions. In turn, the degree-granting institution will provide Ferris with an updated transcript reflecting the newly earned credential.

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.

Transfer Equivalencies Tools

The transfer equivalencies link is located in the Transfer Resources section at transfer.ferris.edu.

Disclaimer

Transfer guides are not intended to be a contract with Ferris. The information in this guide is subject to change and is aligned with the catalog year listed above. Students should contact their community college and/or

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Ferris to keep informed of changes. Students' final responsibility for verifying all transfer information lies with the student. Please refer to the [Ferris catalog](#) for the most current curriculum.

Partners may contact the Office of Transfer and Secondary School Partnerships with questions or updates at TransferGuidesArticulations@Ferris.edu.