

Diagnostic Medical Sonographers use high frequency sound waves to produce images and data that assist health care professionals diagnose various disease and disease processes. Sonographers are taught to work independently and to operate highly technical ultrasound equipment to acquire sonographic images. Physicians depend on the sonographer's assistance with interpretation of the images to evaluate many body parts and structures, especially of the abdomen and pelvis.

Students enter the professional sequence of the program in the fall semester and spend the first three semesters on the Big Rapids campus. Studies during this period include general education and technical courses. Laboratory periods provide an opportunity to apply the theory and principles learned in the lecture sessions. During the final three semesters students work with patients in an off-campus clinical center. These sites are located throughout the state in hospitals affiliated with the University to provide clinical experience and continued academic instruction.

Graduates of the program are eligible to write the American Registry of Diagnostic Medical Sonographers (ARDMS) Sonography Principles and Instrumentation Examination as well as the Abdomen, and Obstetrics and Gynecology specialty exams. The FSU Sonography Program is accredited by the Commission on Accreditation of Health Professions Educational Programs (CAAHEP).

### Course Requirements

#### Gogebic Community College

Course	Ferris Equiv.	Gogebic CC Course Titles	Cr. Hrs.
SPE 105	COMM 105	Interpersonal Communication	3
ENG 101	ENGL 150*	Freshman Composition	3
ENG 102	ENGL 250	Freshman Composition	3
BIO 250 and BIO 251	BIOL 205 (sub for BIOL 109)*	Human Anatomy and Human Physiology & Lab	8
MTH 101 and MTH 104	MATH 115*	Intermediate Algebra	3
PHY 121 or PHY 122	PHYS 130*	Applied Physics and Technical Physics	4 or 4
PSY 101	PSYC 150	General Psychology	4
BUS 116	MRIS 103 (sub for COHP 100)*	Medical Terminology	2

Asterisk (\*) courses above indicate course qualifications required to apply to the professional/clinical sequence. For important program qualifying information, see [www.ferris.edu/chp](http://www.ferris.edu/chp), select **Diagnostic Medical Sonography** and then choose **Application for Professional Sequence** in the right column. Also, see the **DMS Curriculum Guide** and **Required Courses-Ferris Catalog** links in this same right column.

*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.*

#### Ferris State University

Course	Ferris Course Titles	Cr. Hrs.
COHP 101	The US Health Care Systems	3
COHP 102	Safety Issues in Health Care	1
PHIL 220	Ethics in Health Care	3
<b>or</b>	<b>or</b>	
PHIL 320	Biomedical Ethics	
SONO 100	Introduction to DMS	1
SONO 115	Sono Cross Sectional Anatomy	1
SONO 102	Intro to Sonographic Imaging	1
SONO 104	Intro to Ultrasound Physics	3
SONO 105	Sonography Physics Prin Lab	2
SONO 111	Pathophys of Abdominal Organs	3
SONO 112	Abdominal Imaging Lab	3
SONO 117	Intro to Sonographic Interpret	2
SONO 121	Introduction to OB/GYN Imaging	3
SONO 122	OB/GYN Imaging Lab	2
SONO 131	Hemo and Doppler Prin of Sono	1
SONO 132	Hemodynamics - Doppler Lab	3
SONO 280	Clinical Internship 1	8
SONO 281	Small Parts and Invasive Proc	4
SONO 282	Clinical Internship 2	8
SONO 283	Obstetrical - Gynecolog Imag 2	4
SONO 284	Clinical Internship 3	8
SONO 285	Sonographic Interpretation 2	4
SONO 287	Management in DMS	1

**Minimum Credits Required for Degree 87**

**Big Rapids Campus**  
**College of Health Professions**  
 (231) 591-2270 or [CHP@ferris.edu](mailto:CHP@ferris.edu)  
[www.ferris.edu/CHP](http://www.ferris.edu/CHP)

## General Admission Criteria

Students must first be admitted to the university as a Pre-DMS student. To assure students of a quality technical education in classroom/lab and clinical practice, enrollment is limited. Students who meet or will have met the program's qualification criteria by the end of Fall semester are required to apply to the program's professional sequence between January 15 and January 30 of the year prior to the August professional sequence entry. Admission will be based upon date of qualification.

## Delivery Locations

This degree is offered at the Ferris State University, Big Rapids campus. Some course work will be delivered online and/or in a mixed delivery format.

## Transfer Student Orientation

All new students to Ferris State University are required to complete an orientation. Orientation for incoming freshmen is a one-day session that occurs on campus and includes class registration. Eligible transfer students have the option of completing an online orientation or attending an on campus session.

## Advising Notes

It is recommended that potential students 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 any electives or general education classes shown above could 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 towards graduation.

## Online Learning

Orientation is required for students who register for an online *course* or are completing an online *degree*. Students must demonstrate competency in FerrisConnect skills 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.

## 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.

## 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 the effective and/or revised date on the bottom of the guide.*