

## Program Curriculum

	Year	Course	Course Title	Lec-Lab-Cr hrs
<b>LEVEL I: PRE-DMS</b>	Year One- Fall Semester	FYE XXX	First year Experience Elective	1-0-1
		BIO 151	Anatomy & Physiology 1	3-2-4
		MAT 151	College Algebra for DMS	3-2-4
		MCH 104	Comprehensive Medical Terminology	3-0-3
	<b>12 credit hours</b>			
	Year One Spring Semester	BIO 152	Anatomy & Physiology 2	3-2-4
		DMS 100	Survey of Sonography	2-2-3
		MCH 13X	Multi Competency Healthcare Elective (138 or 130)	2-0-2
		PHY 110	Health Physics	2-2-3
		ENG 101	English Composition 1	3-0-3
<b>15 credit hours</b>				
<b>Students Apply for Selective Admission into the Core Level of the DMS Programs</b>				
<b>LEVEL II: CORE CURRICULUM LEVEL</b>	Year Two Fall Semester	DMS 111	Sonographic Principles and Instrumentations 1	3-0-3
		DMSX 120	Introduction to Sonography	3-0-3
		DMSX 121	Sonography Scan Lab 1	0-6-2
		DMSX <sup>#</sup> 110	DMS Specialty Elective	1-2-2
	<b>13 credit hours</b>			
	Year Two Spring Semester	DMS 112	Sonographic Principles and Instrumentations 2	2-0-2
		DMSX 122	Sonography Scan Lab 2	0-6-2
		DMSX 131	Sonography 1 Specialty A	3-0-3
		DMSX 141	Sonography 1 Specialty B	3-0-3
		ENG 10X	English Elective (102,103,or 104)	3-0-3
	<b>13 credit hours</b>			
	Year Two Summer Semester	DMSX 281	Sonography Internship 1	2-4-1
		DMSX 223	Sonography San Lab 3	0-3-1
		PSY 110	Introduction to Psychology	3-0-3
	<b>5 credit hours</b>			
	Year 3 Fall Semester	DMSX 282	Sonography Internship 2	2-4-1
		DMSX 223	Sonography Scan Lab 4	0-4-2
		DMSX 232	Sonography 2 Specialty A	2-0-2
		DMSX 242	Sonography 2 Specialty B	2-0-2
	<b>7 credit hours</b>			
	Year 3 Spring Semester	DMSX 282	Sonography Internship 3	3-2-2
		DMSX 250	Sonography Seminar	1-2-2
				<b>66 CREDIT HOURS</b>

\*Specialty A for the CV program is Vascular Ultrasound and Specialty B is Echocardiography  
 \*Specialty A for the GI program is Abdominal Ultrasound and specialty B is OB/Gyn Ultrasound

All information including curriculum and selective admissions requirements are subject to change due to accreditation, state or other mandates. Students are strongly encouraged to attend a program information session AND to work with a program advisor to ensure they are taking the correct sequence of courses.



# DMS



## Diagnostic Medical Sonography

### About the Program

Diagnostic Medical Sonographers are allied health professional who use specialized equipment to generate images used for assessing and diagnosing various medical conditions. Sonographers are highly skilled professionals who are well versed in human anatomy and physiology. They must work closely with physicians and other health care providers and utilize critical thinking skills to discover potential pathology and disease. Sonographers are routinely involved in direct patient contact and deal with individuals ranging from healthy to critically ill. Sonographers provide patient services using diagnostic techniques under the supervision of a licensed doctor of medicine or osteopathy.

A successful sonographer is a knowledgeable, resourceful and caring individual who serves in the best interest of the patient. A sonographer must be committed to life-long learning to maintain competency, knowledge and expertise in a rapidly growing health care profession. Cincinnati State offers degrees in two sonography specialty areas: **General Imaging** and **Cardiovascular Sonography**.

- ◆ General Imaging sonography involves demonstration and evaluation of abdominal structures, superficial structures, pelvic structures and fetal structures.
- ◆ Cardiovascular sonography involves the demonstration and evaluation of structures within the heart and vascular systems.

The goal of the program is to prepare competent entry-level cardiovascular and general imaging sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. Students applying to the DMS program will be governed under the process outlined in this information pamphlet. Additional information about the Diagnostic Medical Sonography program may be obtained at [www.cincinnati.edu](http://www.cincinnati.edu) under the Health and Public Safety Division.

Information about the profession may be found at the following websites:

- \* <http://www.sdms.org/>, <http://asecho.org/>
- \* <http://www.svunet.org> and <http://www.ardms.org/>

We recommend researching both programs to determine which specialty area is suitable to your personality.

### Accreditation

The DMS program at Cincinnati State Technical and Community College is accredited by the Commission on Accreditation of Allied Health Education programs (CAAHEP) upon recommendation from the Joint Review Committee for Diagnostic Medical Sonography (JRCEDMS).

### Starting Salaries

New graduates may earn approximately \$35.00 - \$40.00 per hour. This may vary dependent upon the geographic area.

## Estimated Costs (2025-2026)

Tuition:

- Ohio: Approximately \$16,000 (estimated books, materials and fees included)
- Out-of-state: Approximately \$27,500 (estimated books, materials and fees included)

## Financial Aid:

Students are advised to work closely with a Financial Aid advisor, and are cautioned to be aware of Financial Aid limits prior to enrolling in coursework not listed in the curriculum.

## Program Advisors

Students not yet admitted to the college are assisted by the Admissions Office, please call 569-1544. Advisors in the Health & Public Safety division assist students interested in Diagnostic Medical Sonography which have not completed the programs prerequisites courses. Please call the division at 513-569-1670 to schedule an appointment. Student that are taking core curriculum courses (DMS XXX) are advised by the program chair Kelly Webster.

## Background Checks/Licensure Eligibility

All students are subject to background checks which must be completed as part of the Selective Admission application process. Students who have been convicted of felonies and/or misdemeanors are required to contact the program chair before entering the program. Students convicted of possession and/or distribution of controlled substances or who have positive drug screens for non-prescribed controlled substances while enrolled in the program will be automatically dismissed.

## The Clinical Experience

The clinical portion of the DMS curriculum level is a full time (40 hours a week), day time program. There may be occasional evening courses as well. Therefore, most students find it difficult to work full time while in the clinical portion of the program. If a student must work, we recommend working no more than 16 hours/week while in the curriculum DMS courses.

## Credentials

Graduates may apply to the American Registry of Diagnostic Medical Sonography (ARDMS) to sit for the certification examinations. Persons passing the exam are recognized as Registered Diagnostic Medical Sonographers. The Cincinnati State pass rate of the DMS graduates on the certification exam offered by the American Registry of Diagnostic Medical Sonographers has been 85-100% over the last five years, compared with around 75-80% nationally depending on specialties taken. The granting of the degree is not contingent upon passing an external certification or licensure exam.

## Program Outcomes

Year	2023	2024	2025
DMSC Job placement*			
DMSG Job placement*			

Pass Rate Year	2023	2024	2025
DMSC: Vascular-RVT			
DMSC: Echocardiography RDCS (AE)			
DMSG: RDMS(AB)			
DMSG –RDMS(OB)			

## Program Prerequisite Requirements

Admission to the sonography programs is a two-tiered process and is based on the student's readiness for progression. Acceptance to the college as a DMS student and completion of required courses *does not guarantee or constitute admittance into the DMS curriculum program*. Selection will be based on a point system and clinical placement availability. Applicants should follow the selective admission process outlined in the college literature and on the college website.

All prerequisite and curriculum science courses must be completed < 5 years from the date of admission to the core program earning a C or higher. Some of the courses listed below may have additional prerequisite course requirements. Please check the course listing prior to registration.

### DMS PREREQUISITE COURSES:

BIO 151	Anatomy & Physiology 1
BIO 152	Anatomy & Physiology 2
MAT 161	College Algebra
PHY 110	Health Physics
DMS 100	Survey of Sonography
MCH 138	Patient Care Skills
MCH 104	Comprehensive Medical Terminology
ENG 101	English Composition 1

Transfer students must have transcripts sent to the Office of Admissions to receive applicable transfer credit.

Due to the high demand of the program, you are strongly encouraged to work closely with the appropriate advisor to assure a smooth transition to the core level of the program.

*We strongly encourage each student to do the following prior to applying to core level:*

- ♦ Read the information packet and other important program information in the **DMS Organization** (found under the *College Community* section of Blackboard: *My Organizations DMS*)
- ♦ Schedule **TEAS 7 AH** Assessment (*link to register on college website*). Study Guide Information: Available in the CState bookstore or at:

## Selective Admission Requirements

Students are admitted to the college as a DMS majors, however, students must complete the required prerequisite courses in order to apply for selective admission into the DMS core level. A maximum of 24 students are admitted annually as a cohort class: 12 Cardiovascular degree seeking and 12 General Imaging degree seeking candidates. Core level applications are accepted during the spring semester between March 15th – May 15th. Applicants will be notified of acceptance during the Summer Semester. Core level courses begin Fall Semester.

Student must meet the following criteria for Selective Admission. **Applications are scored, please see an advisor for scoring details..**

1. Declared DMSC/G as a major and have an active status at the college
2. Attend an Information Session
3. At least 2.75 Cumulative GPA
  - ⇒ If student has earned less than 12 credit hours at CS, then the GPA will be calculated as an average of the transferring institution and Cincinnati State .
4. All prerequisite course work completed with at least a grade of C
5. At least a 2.75 prerequisite GPA
6. Complete the TEAS Test (Allied Health version)
7. Criminal Background clearance

## Program Chair

**Kelly Webster, BS, RDCS, RVT**

Has overall responsibility for the program and students enrolled in the program's technical (DMS) courses.

Christina.webster@cincinnati.edu  
513-569-1688

**2025-2026 Application  
Acceptance Dates: April 1 – May  
18, 2026**

*Students should meet with their  
Academic Advisor to discuss  
progression eligibility and*