

Diagnostic Medical Sonography

Applied Associate Degree Programs

FALL2017



About the Profession

Sonographers 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 are highly skilled professionals who use specialized ultrasonic equipment to create diagnostic images. 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.

About the Program

Thank you for your interest in our DMS program. Students applying to the DMS program will be governed under the process outlined in this information pamphlet. A maximum of 24 students are admitted annually as a cohort class: 12 *Cardiovascular degree seeking* and 12 *General Imaging degree seeking candidates*. Program admission is a two-tiered process: students are admitted to the college as a *pre-DMS level* student and must complete required prerequisite courses in order to apply for selective enrollment for the DMS *core level*.

Core level applications are accepted during the **spring semester between March 12th – May 18th**. Applicants will be notified of acceptance during the summer semester. Core level courses begin fall semester.

Program 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 (JRCDMS)*.

Program Degrees

DMS is an allied health profession that uses sound waves to produce two and three dimensional images of soft tissue and to evaluate blood flow within those organs. Sonography specialty areas include: **General Sonography, Cardiac Sonography, Vascular Technology** and various subspecialties. 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.

Starting Salaries

New graduates may earn approximately \$22.00 - \$25.00 per hour. This may vary dependent upon the geographic area.

Admission to the Program

Students applying for core level in **spring 2018** must complete ALL foundational courses and the program prerequisites listed below prior to applying for selective enrollment for core level.

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 |

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

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.

The Clinical Experience

DMS core curriculum courses and the clinical experience begins following progression acceptance. The program is intensive and requires a great amount of study. 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.

Program Advisors

All admitted pre-technology students working on academic foundation courses as indicated by the Accuplacer/COMPASS exam will be advised by an academic advisor in room 168 Main prior to seeing a program advisor. Please make an appointment prior to registration in order to know which classes you should take before beginning your academic career at Cincinnati State College. Call 513-569-1552 to make your appointment.

Once you complete your Academic Foundations (AF) requirements and are ready to start the prerequisite courses, you may make an appointment with a DMS Program Advisor by calling 513-**569-1670** Monday – Friday during normal business hours.

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Additional Information

Additional information about the Diagnostic Medical Sonography program may be obtained at www.Cincinnatiastate.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.

Requirements for Selection

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 pre-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 enrollment process outlined in the college literature and on the college website.

- All prerequisite courses and Curriculum College level science courses must be completed within **5 years** of acceptance to the CORE program with a C or better.
- Once you have satisfactorily completed the pre-DMS course prerequisites, you will be eligible to apply for the Core Level of the program. Currently, **selective enrollment occurs** once per academic year during the **spring semester**.
- While waiting for selection, you must **maintain an active status** with the college and as a DMS student in order to be eligible for progression (registration of 1 course per academic year).
- **Drug screenings** may be required prior to and/or after core level acceptance. Students must also have a current **CPR certification** during their clinical rotations.

Mandatory Requirements to Apply for Core Level Include:

1. Declared DMS Program major: DMSC or DMSG. Students must have an active status in order to apply to the program.
2. Mandatory **Information Session** Participation
3. **≥2.75 Overall GPA** at time of progression
 - *Less than 12 CState cr. hrs. will include Cincinnati State and transfer institution(s) overall GPA's averaged together*
 - *Transfer courses applicable to progression that have been repeated for a passing or better grade will be considered as repeat courses.*
4. Completion of ALL prerequisite level **(Pre-DMS) courses** with a C or higher
 - Any additional curriculum courses taken prior to progression must also have a grade C or higher
5. **≥2.75 Prerequisite GPA** at time of progression
6. The TEAS V- AH Retention Assessment (The Test Of Essential Academic Skills V for Allied Health)
7. Criminal Background Check Clearance

Additional Criteria towards Application Points:

- Scan Lab Observation Participation
- Healthcare Education (degree or certificate)
- Patient Care Experience (within 5 years)

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 V AH** Assessment (*link to register on college website*). Study Guide Information: Available in the CState bookstore or @ http://www.atitesting.com/ati_store
- Each student is responsible to keep in touch with a program advisor to avoid any delays or misunderstandings concerning selection into the core level DMS courses.
- Meet with a **Financial Aid Advisor** to create a financial plan and discuss options. Walk-in appointments are accepted or you may call 513.569.1530.

2017-18 Application

Acceptance Dates:

March 12– May 18, 2018

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

2017-18 DMS CURRICULUM

Effective fall semester 2017, the DMS curriculum has changed. Students planning to apply for selective admission during the Spring18 semester will be governed under this curriculum and changes. All information is subject to change and students are strongly encouraged to attend a program information session AND to work with program advisor to ensure they are taking the correct sequence of courses.

| | Academic Year | Course Number | Course Title | Lec-Lab-Cr hrs |
|---|-----------------------------|-----------------------|---|------------------------|
| LEVEL I: PRE-DMS | Year One- Fall Semester | FYE XXX | First year Experience Elective | 1-0-1 |
| | | BIO 151 | Anatomy & Physiology 1 | 3-2-4 |
| | | MAT 161 | College Algebra for DMS | 3-2-4 |
| | | MCH 104 | Comprehensive Medical Terminology | 3-0-3 |
| | 12 credit hours | | | |
| | 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 |
| | 12 credit hours | | | |
| Students Apply for Selective Admission into the Core Level of the DMS Programs | | | | |
| LEVEL II: CORE CURRICULUM LEVEL | Year Two Fall Semester | ENG 101 | English Composition 1 | 3-0-3 |
| | | 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 [#] 110 | DMS Specialty Elective | 1-2-2 |
| | 13 credit hours | | | |
| | 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 |
| | 13 credit hours | | | |
| | Year Two Summer Semester | DMSX 281 | Sonography Internship 1 | 0-24-1 |
| | | DMSX 223 | Sonography San Lab 3 | 0-3-1 |
| | | PSY 110 | Introduction to Psychology | 3-0-3 |
| | 5 credit hours | | | |
| | Year 3 Fall Semester | DMSX 282 | Sonography Internship 2 | 0-24-1 |
| | | 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 |
| | 7 credit hours | | | |
| | Year 3 Spring Semester | DMSX 282 | Sonography Internship 3 | 0-32-2 |
| | | DMSX 250 | Sonography Seminar | 1-2-2 |
| | | | 4 credit hours | |
| | | | TOTAL PROGRAM | |
| | | | | 66 CREDIT HOURS |

*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.