

Diagnostic Medical Sonography (DMSC & DMSG)

Diagnostic Medical Sonography - Cardiovascular (DMSC) or General Imaging (DMSG)

The diagnostic medical sonographer is a highly-skilled professional who uses specialized equipment to create diagnostic images.

The Diagnostic Medical Sonography program at Cincinnati State prepares students to become entry-level diagnostic medical sonographers in two specialty areas:

- Cardiac and vascular sonography (DMSC)
- Abdominal, obstetric, and gynecological sonography (DMSG)

Program graduates earn an Associate of Applied Science degree that includes general education and technical sonography courses. The program also includes supervised clinical experience on site at various health care facilities in the Greater Cincinnati area. Clinical experiences are unpaid.

Courses in this program are scheduled primarily between 8:00 a.m. and 5:00 p.m., Monday through Friday.

Students must have a minimum grade point average (GPA) of 2.75 to graduate. Graduates are eligible to take the American Registry of Diagnostic Medical Sonographers national certification examination.

The program is accredited by The Commission of Accreditation of Allied Health Education Programs, 25400 U.S. Highway 19 North, Suite 158, Clearwater, FL 33756. Website: www.caahep.org. Phone: (727) 210-2350. FAX: (727) 210-2354.

For more information, please contact the Health and Public Safety Division at (513) 569-1670.

To apply for this program at Cincinnati State, visit our Admissions Page (<http://www.cincinnati.edu/academics/admission>)

Diagnostic Medical Sonography—Cardiovascular (DMSC)

Students seeking admission to the Diagnostic Medical Sonography - Cardiovascular program must complete specific requirements.

After completing Semester 2 of Year 1, students should apply for selective enrollment into the DMS program. Year 2 courses begin in Fall Semester. Students should meet with their academic advisor to discuss eligibility and deadlines for selective enrollment.

First Year

Semester 1

	Lec	Lab	Credits
FYE 1XX	1	0	1
First Year Experience Elective (B)			

MCH 104	Comprehensive Medical Terminology (B)	3	0	3
BIO 151	Anatomy and Physiology 1 (G)	3	2	4
MAT 161	College Algebra for Diagnostic Medical Sonography (G)	3	2	4

Semester 2

BIO 152	Anatomy and Physiology 2 (B)	3	2	4
DMS 100	Survey of Sonography (B)	2	2	3
PHY 110	Health Physics (B)	2	3	3
MCH 1XX	Multicompetency Healthcare Elective (B)	2	0	2

After completing Year 1, Semester 1 and 2 courses, apply for Selective Enrollment into the DMSC program.

Second Year

Semester 1

ENG 101	English Composition 1 (G)	3	0	3
DMSC 110	Advanced Electrocardiography (B)	1	2	2
DMS 111	Sonographic Principles and Instrumentation 1 (T)	3	0	3
DMSC 120	Cardiovascular Sonography (T)	3	0	3
DMSC 121	Cardiovascular Sonography Scan Lab 1 (T)	0	6	2

Semester 2

ENG 10X	English Composition Elective (G)	0	3	3
DMS 112	Sonographic Principles and Instrumentation 2 (T)	2	0	2
DMSC 122	Cardiovascular Sonography Scan Lab 2 (T)	0	6	2
DMSC 131	Vascular Sonography 1 (T)	3	0	3
DMSC 141	Echocardiography 1 (T)	3	0	3

Semester 3

PSY 110	Introduction to Psychology (G)	3	0	3
DMSC 223	Cardiovascular Sonography Scan Lab 3 (T)	0	3	1
DMSC 281	Cardiovascular Internship 1 (T)	0	24	1

Third Year

Semester 1

DMSC 224	Cardiovascular Sonography Scan Lab 4 (T)	0	4	2
DMSC 232	Vascular Sonography 2 (T)	2	0	2
DMSC 242	Echocardiography 2 (T)	2	0	2
DMSC 282	Cardiovascular Internship 2 (T)	0	24	1

Semester 2

DMSC 250	Cardiovascular Imaging Seminar (T)	1	2	2
DMSC 283	Cardiovascular Internship 3 (T)	0	32	2

Total Credits:		45	117	66
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Electives

First Year Experience Elective

FYE 100	College Survival Skills	1
FYE 105	College Success Strategies	2
FYE 110	Community College Experience	3

English Composition Elective

ENG 102	English Composition 2: Contemporary Issues	3
ENG 103	English Composition 2: Writing about Literature	3
ENG 104	English Composition 2: Technical Communication	3

Multicompetency Healthcare Elective

MCH 138	Patient Care Skills	2
MCH 130	Nurse Aide Training	5

The letters G, B, and T (displayed after course titles or elective descriptions) identify types of courses required by the Ohio Department of Higher Education as part of an associate's degree curriculum.

G = General Education course in this curriculum

B = Basic Skills course in this curriculum

T = Technical course in this curriculum

Diagnostic Medical Sonography— General Imaging (DMSG)

Students seeking admission to the Diagnostic Medical Diagnostic Medical Sonography - General Imaging program must complete specific requirements. After completing Semester 2 of Year 1, students should apply for selective enrollment into the DMS program. Year 2 courses begin in Fall Semester. Students should meet with their academic advisor to discuss eligibility and deadlines for selective enrollment.

First Year

Semester 1		Lec	Lab	Credits
FYE 1XX	First Year Experience Elective (B)	1	0	1
MCH 104	Comprehensive Medical Terminology (B)	3	0	3
BIO 151	Anatomy and Physiology 1 (G)	3	2	4
MAT 161	College Algebra for Diagnostic Medical Sonography (G)	3	2	4

Semester 2

DMS 100	Survey of Sonography (B)	2	2	3
PHY 110	Health Physics (G)	2	3	3
BIO 152	Anatomy and Physiology 2 (B)	3	2	4
MCH 1XX	Multicompetency Healthcare Elective (B)	2	0	2

After completing Year 1, Semester 1 and 2 courses, apply for Selective Enrollment into the DMSG program.

Second Year

Semester 1

ENG 101	English Composition 1 (G)	3	0	3
DMSG 110	Sterile Techniques (B)	1	2	2
DMS 111	Sonographic Principles and Instrumentation 1 (T)	3	0	3
DMSG 120	General Imaging Sonography (T)	3	0	3
DMSG 121	General Imaging Sonography Scan Lab 1 (T)	0	6	2

Semester 2

ENG 10X	English Composition Elective (G)	0	3	3
DMS 112	Sonographic Principles and Instrumentation 2 (T)	2	0	2
DMSG 122	General Imaging Sonography Scan Lab 2 (T)	0	6	2
DMSG 131	Abdominal Sonography 1 (T)	3	0	3
DMSG 141	Obstetrics and Gynecology Sonography 1 (T)	3	0	3

Semester 3

PSY 110	Introduction to Psychology (G)	3	0	3
DMSG 223	General Imaging Sonography Scan Lab 3 (T)	0	3	1
DMSG 281	General Imaging Internship 1 (T)	0	24	1

Third Year

Semester 1

DMSG 224	General Imaging Sonography Scan Lab 4 (T)	0	4	2
DMSG 232	Abdominal Sonography 2 (T)	2	0	2
DMSG 242	Obstetrics and Gynecology Sonography 2 (T)	2	0	2
DMSG 282	General Imaging Internship 2 (T)	0	24	1

Semester 2

DMSG 250	General Imaging Seminar (T)	2	0	2
DMSG 283	General Imaging Internship 3 (T)	0	32	2

Total Credits:		46	115	66
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Electives

FYE Experience Elective

FYE 100	College Survival Skills	1
FYE 105	College Success Strategies	2
FYE 110	Community College Experience	3

English Composition Elective

ENG 102	English Composition 2: Contemporary Issues	3
ENG 103	English Composition 2: Writing about Literature	3
ENG 104	English Composition 2: Technical Communication	3

Multicompetency Healthcare Elective

MCH 138	Patient Care Skills	2
MCH 130	Nurse Aide Training	5

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Faculty

Program Chair

Tina Cisle, MS, RDMS, RDCS, RVT

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