

DIAGNOSTIC MEDICAL IMAGING SONOGRAPHY, A.A.S.

The **Diagnostic Medical Imaging Sonography** program includes extensive didactic and clinical applications in the specialties of general and vascular sonography. Clinical applications include abdominal/superficial structures, obstetrics/gynecology and vascular imaging techniques. Upon successful completion of the program, students are eligible to obtain licensure in American Registry for Diagnostic Medical Sonography (ARDMS) in the following: Sonography Principles & Instrumentation (SPI) Physics Instrumentation; Abdomens & Superficial Structures; Obstetrics and Gynecology; and Vascular Technology. This degree requires 85 credits in program requirements and general education. All general education courses must be completed prior to admission to the sonography program.

For more information about Diagnostic Medical Imaging Sonography, please visit the program page (<https://cod.edu/academics/programs/sonography/>).

This degree requires program application and admission; please visit the above link for details.

Degree Requirements

Field of Study Code: DMIS.AAS

Code	Title	Credits
Program Requirements		
DMIS 1100	Intro to Diagnostic Medical Sonography	3
DMIS 1101	Sonographic Physics & Instrumentation I	3
DMIS 1102	Sonographic Physics & Instrumentation II	3
DMIS 1105	Intro to Pathophysiology for Sonographer	2
DMIS 1110	Patient Care Skills for Sonographers	2
DMIS 1112	Clinical Education II	3
DMIS 1113	Clinical Education III	2
DMIS 1114	Clinical Education IV	3
DMIS 1120	Sonographic Cross-Sectional Anatomy	3
DMIS 1121	Fundamentals of OB/GYN I	3
DMIS 1122	Fundamentals of OB/GYN II	3
DMIS 1131	Abdomen/Superficial Structures I	3
DMIS 1132	Abdomen/Superficial Structures II	2
DMIS 1140	Fundamentals of Breast Sonography	2
DMIS 1141	Case Study Critique I	1
DMIS 1142	Case Study Critique II	1
DMIS 1151	Hands-On Scanning Lab 1	1
DMIS 1152	Hands-On Scanning Lab 2	1
DMIS 1153	Hands-On Scanning Lab 3	1
DMIS 1154	Hands-On Scanning Lab 4	1
DMIS 1160	Legal Issues of Health Care-Sonography	1
DMIS 2201	Abdominal and Peripheral Arterial	3
DMIS 2203	Cerebrovascular Ultrasound	2
DMIS 2204	Abdominal and Peripheral Venous	2
DMIS 2212	Clinical Education - Vascular Imaging 1	3

DMIS 2213	Clinical Education - Vascular Imaging 2	
DMIS 2221	Abdominal & Peripheral Arterial Hands-On	1
DMIS 2223	Cerebrovascular Ultrasound Hands-On Scan	1
DMIS 2224	Abdominal & Peripheral Venous Hands-On	1
Select one of the following sequences:		8
ANAT 1551 & ANAT 1552	Human Anatomy and Physiology I and Human Anatomy and Physiology II	
ANAT 1571 & 1571	Anatomy and Physiology With Cadaver I and Anatomy and Physiology With Cadaver I	
ENGLI 1101	English Composition I	3
HLTHS 1110	Biomedical Terminology	3
MATH 1120	Mathematical Foundations for Diagnostic Medical Imaging Sonographers	3
PSYCH 1100	General Psychology	3
SPEEC 1100 or SPEEC 1120	Fundamentals of Speech Communication or Small-Group Communication	3
General Education		
Select three credits ¹		3
Total Credits		83

¹ In addition to the courses listed above.

General Education Requirements

For general education requirements for the A.A.S. degree, please visit the A.A.S. degree catalog page (<https://catalog.cod.edu/associate-degree-programs/associate-applied-science-degree/>).

Suggested Semester Sequence

Pre-Program Courses

Code	Title	Credits
ENGLI 1101	English Composition I	3
ANAT 1551 & ANAT 1552 or ANAT 1571 & ANAT 1572	Human Anatomy and Physiology I and Human Anatomy and Physiology II or Anatomy and Physiology With Cadaver I and Anatomy and Physiology With Cadaver II	8
HLTHS 1110	Biomedical Terminology	3
MATH 1120	Mathematical Foundations for Diagnostic Medical Imaging Sonographers	3
PSYCH 1100	General Psychology	3
SPEEC 1100 or SPEEC 1120	Fundamentals of Speech Communication or Small-Group Communication	3
Gen Ed	Humanities and Fine Arts (https://catalog.cod.edu/educational-opportunities/#humanities-fa)	3
DMIS 1105	Intro to Pathophysiology for Sonographer	2
DMIS 1110	Patient Care Skills for Sonographers	2
Total Credits		30

Program Course Sequence

Course	Title	Credits
First Semester		
DMIS 1100	Intro to Diagnostic Medical Sonography	3

DMIS 1101	Sonographic Physics & Instrumentation I	3
DMIS 1120	Sonographic Cross-Sectional Anatomy	3
DMIS 1121	Fundamentals of OB/GYN I	3
DMIS 1151	Hands-On Scanning Lab 1	1
DMIS 1152	Hands-On Scanning Lab 2	1
Credits		14
Second Semester		
DMIS 1102	Sonographic Physics & Instrumentation II	3
DMIS 1112	Clinical Education II	3
DMIS 1122	Fundamentals of OB/GYN II	3
DMIS 1131	Abdomen/Superficial Structures I	3
DMIS 1141	Case Study Critique I	1
DMIS 1153	Hands-On Scanning Lab 3	1
Credits		14
Summer Semester		
DMIS 1113	Clinical Education III	2
DMIS 1132	Abdomen/Superficial Structures II	2
DMIS 1154	Hands-On Scanning Lab 4	1
Credits		5
Third Semester		
DMIS 1114	Clinical Education IV	3
DMIS 1140	Fundamentals of Breast Sonography	2
DMIS 1142	Case Study Critique II	1
DMIS 1160	Legal Issues of Health Care-Sonography	1
Credits		7
Fourth Semester		
DMIS 2201	Abdominal and Peripheral Arterial	3
DMIS 2203	Cerebrovascular Ultrasound	2
DMIS 2204	Abdominal and Peripheral Venous	2
DMIS 2212	Clinical Education - Vascular Imaging 1	3
DMIS 2221	Abdominal & Peripheral Arterial Hands-On	1
DMIS 2223	Cerebrovascular Ultrasound Hands-On Scan	1
DMIS 2224	Abdominal & Peripheral Venous Hands-On	1
Credits		13
Summer Term		
DMIS 2213	Clinical Education - Vascular Imaging 2	2
Credits		2
Total Credits		55

This page lists programs related to one another.

- Diagnostic Medical Imaging Sonography (Ultrasound), Certificate (<https://catalog.cod.edu/programs-study/diagnostic-medical-imaging-sonography/diagnostic-medical-imaging-sonography-ultrasound-certificate/>)
- Diagnostic Medical Vascular Sonography, Certificate (<https://catalog.cod.edu/programs-study/diagnostic-medical-imaging-sonography/diagnostic-medical-vascular-sonography-certificate/>)