

Diagnostic Medical Imaging Sonography | Associate in Applied Science

Field of Study Code: DMIS.AAS

Catalog Description

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 Physics Principles & Instrumentation (SPI); Abdomen & Superficial Structures; Obstetrics and Gynecology; and Vascular Technology. The program consists of a total of 85 credits in program requirements and general education prerequisites. All general education courses must be completed prior to admission to the sonography program.

Program Requirements82

Dmis 1100*	Introduction to Diagnostic Medical Sonography	3
Dmis 1101*	Sonographic Physics and Instrumentation I...	3
Dmis 1102*	Sonographic Physics and Instrumentation II...	3
Dmis 1105*	Introduction to Pathophysiology for Sonographers.....	2
Dmis 1110*	Basic 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*	Abdominal/Superficial Structures and Obstetrics/Gynecology Hands-on Scanning Lab I.....	1
Dmis 1152*	Abdominal/Superficial Structures and Obstetrics/Gynecology Hands-on Scanning Lab II.....	1
Dmis 1153*	Abdominal/Superficial Structures and Obstetrics/Gynecology Hands-on Scanning Lab III.....	1
Dmis 1154*	Abdominal/Superficial Structures and Obstetrics/Gynecology Hands-on Scanning Lab IV	1
Dmis 1160*	Legal Aspects of Health Care in Sonography	1
Dmis 2201*	Abdominal and Peripheral Arterial	3
Dmis 2203*	Cerebrovascular Ultrasound	2

Suggested Course Sequence (Full-Time Enrollment)

Please note: A student's readiness to perform college-level coursework is based on the student's placement test and/or ACT scores. Below 1000 level coursework may be required prior to the student taking courses in the suggested sequences.

*** Please refer to the Program Admission packet for the most updated information at:**
https://www.cod.edu/admission/health_science/pdf_health/dmis_aas.pdf

These courses must be completed before the Professional course sequence starts.

All prerequisites have to be completed by the program application deadline, which is the end of spring term (for the fall program start).

- Dmis 1105 (2)
- Dmis 1110 (2)
- Anat 1551 (4) & Anat 1552 (4)
Or
Anat 1571 (4) & Anat 1572 (4)
- Engli 1101
- Hlths 1110
- Math 1120
- Psych 1100
- Speec 1100 or 1120 (3)
- Humanities & Fine Arts (3)

Professional Course Sequence

(Once admitted to the Program; subject to change)

Fall Semester (14 credits)

- Dmis 1100 (3)
- Dmis 1101 (3)
- Dmis 1120 (3)
- Dmis 1121 (3)
- Dmis 1151 (1)
- Dmis 1152 (1)

Spring Semester (14 credits)

- Dmis 1102 (3)
- Dmis 1112 (3)
- Dmis 1122 (3)
- Dmis 1131 (3)
- Dmis 1141 (1)
- Dmis 1153 (1)

Dmis	2204*	Abdominal and Peripheral Venous.....	2
Dmis	2212*	Clinical Education-Vascular Imaging I.....	3
Dmis	2213*	Clinical Education-Vascular Imaging II.....	3
Dmis	2221*	Abdominal and Peripheral Arterial Hands-on Scanning Lab	1
Dmis	2223*	Cerebrovascular Ultrasound Hands-on Scanning Lab.....	1
Dmis	2224*	Abdominal and Peripheral Venous Hands-on Scanning Lab	1
Anat	1551*	Human Anatomy and Physiology I	4
	AND		
Anat	1552*	Human Anatomy and Physiology II	4
	OR		
Anat	1571*	Human Anatomy and Physiology With Cadaver I	4
	AND		
Anat	1571*	Human Anatomy and Physiology With Cadaver II	4
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*	Fundamentals of Speech Communication	3
	OR		
Speec	1120*	Small-Group Communication	3

* - course has a prerequisite

General Education3

Each candidate for an Associate in Applied Science (A.A.S.) degree shall satisfactorily complete a minimum of 18 credits in General Education. (In addition to the courses listed below.)

For the **Diagnostic Medical Imaging Sonography degree**, some General Education courses are already listed under program requirements. Therefore, students only need 3 credits besides those listed under program requirements.

Under the specified General Education headings below, the following courses are required:

Communication: 6 credits

Written: (3 credits) English 1101 or 1105

(English 1101 in program requirements fulfills this requirement)

Oral: (3 credits) Speech 1100, 1120 or 1150

(Speech 1100 or 1120 in program requirements fulfills this requirement)

Physical and Life Sciences: 3 to 5 credits

At least one course with a laboratory component.

(Anatomy & Physiology 1551/1552 or Anatomy & Physiology 1571/1572 in program requirements fulfills this requirement)

Mathematics: 3 to 5 credits

Select a minimum of 3 credits (1000 level or above).

Summer Term (5 credits)

- Dmis 1113 (2)
- Dmis 1132 (2)
- Dmis 1154 (1)

Fall Semester (7 credits)

- Dmis 1114 (3)
- Dmis 1140 (2)
- Dmis 1142 (1)
- Dmis 1160 (1)

Spring Semester (13 credits)

- Dmis 2201 (3)
- Dmis 2203 (2)
- Dmis 2204 (2)
- Dmis 2212 (3)
- Dmis 2221 (1)
- Dmis 2223 (1)
- Dmis 2224 (1)

Summer Semester (2 credits)

- Dmis 2213 (2)

For more information:

If you are considering this program as an area of study, please contact the **Nursing & Health Sciences Division** office at 630-942-8331.

Program web site:

<http://www.cod.edu/academics/programs/sonography>

Select Mathematics 1102, 1104 or 1120 only where required in the degree program. Only one from the following three courses may count toward overall degree requirement credit: Mathematics 1635, Psychology 2280 or Sociology 2205. Only one of the following courses may count toward overall degree credit: Mathematics 1428 or Mathematics 1431.

(Mathematics 1120 in program requirements fulfills this requirement)

Humanities and Fine Arts: 3 credits

Social and Behavioral Sciences: 3 credits

(Psychology 1100 in program requirements fulfills this requirement)

Complete at least 2 credits from the list of courses in the Global/Multicultural Studies or Contemporary Life Skills Category. ***(Health Sciences 1110 in program requirements fulfills this requirement)***

TOTAL CREDITS FOR AAS DEGREE

85

Career Information DMIS.AAS

Job Title(s): Diagnostic Medical Sonographers

Cardiac Sonographer, Cardiac/Vascular Sonographer, Medical Sonographer, Registered Diagnostic Medical Sonographer (RDMS), Sonographer, Staff Sonographer, Ultrasonographer, Ultrasound Technician (Ultrasound Tech), Ultrasound Technologist (Ultrasound Tech)

For salary and wage information, please visit: www.onetonline.org

If you would like information regarding internships, resume development, interviewing and job search skills, please contact the Career Services Center

Phone: 630-942-2230

www.cod.edu/careerservices

Twitter: @codcareercenter

Related Occupations:

Radiation Therapists

Respiratory Therapists

Nuclear Medicine Technologist

Medical and Clinical Laboratory Technicians

Radiologic Technician

Endoscopy Technicians

Respiratory Therapy Technician

Cardiovascular Technologists and Technicians