

DIAGNOSTIC MEDICAL SONOGRAPHY (AAS)

Concordia University, St. Paul offers an Associate of Applied Science (AAS) in Diagnostic Medical Sonography degree program, which is designed to prepare students to work as health care professionals, to interact with other health care professionals and patients in a professional and ethical manner, to develop the best possible technical skills in sonography, and to demonstrate at all times the utmost respect and concern for the well-being of the patients they serve.

Graduates will be prepared to provide health care services as sonographers. The diagnostic medical sonographer works under the direction of a physician, using ultrasound imaging techniques for purposes of diagnosis.

Degree Requirements

Associate of Applied Science (<http://catalog.csp.edu/archive/2021-2022/undergraduate/academic-information/graduation-requirements/>) degree consists of a minimum of 60 credits, which includes a minimum of 20 general education credits and a minimum of 30 program-related occupational or technical credits.

Code	Title	Credits
Prerequisites (must be completed prior to starting the Diagnostic Medical Sonography program)		
BIO 117	Human Anatomy & Physiology for Sonography	4
DMS 100	Introduction to Ultrasound	1
MAT 165	Quantitative Reasoning for Health Care Professionals * (3)	
ENG 120	College Writing * (4)	
PHS 112	Introductory Physics for Biological and Health Sciences I (4)	
Total Credits		5

Code	Title	Credits
General Education Requirements		
THL 200	Scripture and its interpretation: A Global Introduction to the Bible	3
COM 103	Interpersonal Communication	4
PSY 101	Introduction to Psychology	4
ENG 120	College Writing	4
MAT 165	Quantitative Reasoning for Health Care Professionals	3
PHS 112	Introductory Physics for Biological and Health Sciences I	4
Total Credits		22

Code	Title	Credits
General Diagnostic Medical Sonography Concentration		
DMS 120	Gynecology I	2
DMS 105	Ultrasound Physics	4
DMS 135	Introduction to Vascular	2
DMS 200	Medical Law and Ethics	3
BIO 350	Medical Terminology	2

DMS 110	Abdominal I	3
DMS 140	Ob/Gyn II	3
DMS 155	Vascular I	3
DMS 130	Abdominal II	4
DMS 160	Ob/Gyn III	2
DMS 175	Vascular II	3
DMS 180	Special Procedures and Patient Care	1
DMS 150	Small Parts	2
DMS 250	Comprehensive Review, Diagnostic Medical Sonography	3
DMS 280	Clinical Training	3
DMS 290	Clinical Training	6

Total Credits 46

Code	Title	Credits
Echocardiography Concentration		
ECH 110	Foundations of Echocardiography	4
ECH 115	Cardiovascular Anatomy & Physiology	3
ECH 100	Clinical Practicum I	1
BIO 350	Medical Terminology	2
ECH 200	Medical Law and Ethics	3
ECH 155	Adult Ecocardiography I	5
ECH 150	Clinical Practicum II	2
ECH 105	Ultrasound Physics	4
ECH 255	Adult Echocardiography II	4
ECH 225	Clinical Practicum III	3
ECH 275	Stress and Contrast Echocardiography	3
ECH 250	Special Procedures	4
ECH 280	Clinical Practicum IV	3
ECH 290	Clinical Practicum V	5
Total Credits		46

* Courses count towards general education requirement.

CSP's Associate of Applied Science (AAS) in Diagnostic Medical Sonography (DMS) prepares students to take the ARDMS board examinations (SPI and a specialty board) upon completion of 12 months of full-time clinical ultrasound experience. To see what is required to sit for each ARDMS board examination, please click here (<https://www.ardms.org/get-certified/application-and-exam-resources/>). The ARDMS board examinations (SPI and a specialty board) are required to practice in each state. In addition, currently New Hampshire, New Mexico, North Dakota, and Oregon are the only states with approved legislation mandating the licensure of sonographers within those particular states as an additional requirement. To see the additional requirements for each of those states, please click here (<https://www.sdms.org/advocacy/state-licensure/>).