

DIAGNOSTIC MEDICAL SONOGRAPHY ASSOCIATE OF APPLIED SCIENCE DEGREE

The Sonography Program is a 5 semester, 21-month Associate of Applied Science program with a minimum of 1600 clinical hours. The program involves online didactic and on campus scan lab for Semester 1, then students are assigned clinical sites for their remaining semesters (i.e.: 2, 3, 4 & 5). For semesters 2-5, didactics continue online and the students are assigned to off campus clinical sites at medical facilities around the region, returning to campus for a one-weekend clinical conference near the end of each semester. This schedule accommodates working professionals and the use of the lab/classroom by the medical radiography students during the week (M-F).

After completing the program, students are eligible to sit for the national registry exams in Sonography offered by the American Registry of Radiologic Technologists (ARRT) and/or the American Registry of Diagnostic Medical Sonographers (ARDMS).

Passage of the Sonography Principles and Instrumentation exam and any specialty exam (ABD) and/or (OB/GYN) qualifies the individual as a Registered Diagnostic Medical Sonographer (RDMS). You can contact the ARDMS at (301) 738-8401 or check their website at www.ardms.org (<https://www.ardms.org/>) to find out more about clinical and certification requirements.

Upon passing the American Registry of Radiologic technologists (ARRT) Sonography exam, the individual is qualified to use the RT (S), A.R.R.T credential after their name. Call the ARRT at (651) 687-0048 or check the website at www.arrt.org (<https://www.arrt.org/>) to find out more information about certification.

Program Learning Outcomes

Upon successful completion of this program, students will be able to:

- Integrate pertinent patient history and supporting clinical data to achieve an optimum diagnostic sonogram.
- Adapt ultrasound scanning and image acquisition skills to accommodate patient specific care.
- Operate different ultrasound machines and/or equipment.
- Provide basic patient care and comfort within the ethical and legal boundaries of the profession.

Required Courses

Code	Title	Credits
Prerequisite Courses		
BIOH 201	Human Anatomy & Physiology I	3
BIOH 202	Human Anatomy & Phys I Lab	1
M 114 or M 121	Extended Technical Mathematics College Algebra	3
PHSX 103	Our Physical World	3
WRIT 122 or WRIT 121	Intro to Business Writing Intro to Technical Writing	3
Subtotal		13
Sonography Courses		
AHMS 144	Medical Terminology	3
AHUS 100	Introduction to Sonography	3
AHUS 101	DMS Principles & Instruments	3
AHUS 102	Abdominal Sonography	3

AHUS 103	OB/Gyn Sonography I	3
AHUS 104	Clinical Experience I	5
AHUS 104A	Sonography Intersession I	1
AHUS 105	Clinical Experience II	5
AHUS 110	Practical Aspect of Sonography	2
AHUS 111	Sonography Scan Lab	1
AHUS 112	SPI Registry Review	1
AHUS 203	OB/Gyn Sonography II	3
AHUS 204	Sonography Intersession II	1
AHUS 204A	Clinical Experience III	5
AHUS 205	Clinical Experience IV	5
AHUS 206	Small Parts and Ped Sonography	3
AHUS 207	Vascular Sonography	3
AHUS 208	Abdomen Registry Review	1
AHUS 210	OB/Gyn Registry Review	1
BIOH 211	Human Anatomy & Physiology II	3
BIOH 212	Human Anatomy & Phys II Lab	1
COMX 106	Comm in a Dynamic Workplace	3

Total Minimum Credits 72

Suggested Plan of Study

Code	Title	Credits
Prerequisite Semester		
WRIT 122 or WRIT 121	Intro to Business Writing Intro to Technical Writing	3
M 114 or M 121	Extended Technical Mathematics College Algebra	3
BIOH 201	Human Anatomy & Physiology I	3
BIOH 202	Human Anatomy & Phys I Lab	1
PHSX 103	Our Physical World	3
Total		13
Year 1		
Fall		
AHMS 144	Medical Terminology	3
AHUS 100	Introduction to Sonography	3
AHUS 111	Sonography Scan Lab	1
BIOH 211	Human Anatomy & Physiology II	3
BIOH 212	Human Anatomy & Phys II Lab	1
AHUS 102	Abdominal Sonography	3
Total		14
Intersession		
AHUS 104A	Sonography Intersession I	1
Total		1
Spring		
AHUS 101	DMS Principles & Instruments	3
AHUS 103	OB/Gyn Sonography I	3
AHUS 110	Practical Aspect of Sonography	2
AHUS 104	Clinical Experience I	5
Total		13
Summer		
AHUS 112	SPI Registry Review	1
AHUS 105	Clinical Experience II	5

Total		6
Year 2		
Fall		
AHUS 203	OB/Gyn Sonography II	3
AHUS 206	Small Parts and Ped Sonography	3
AHUS 208	Abdomen Registry Review	1
AHUS 204A	Clinical Experience III	5
Total		12
Interession		
AHUS 204	Sonography Interession II	1
Total		1
Spring		
AHUS 207	Vascular Sonography	3
AHUS 210	OB/Gyn Registry Review	1
AHUS 205	Clinical Experience IV	5
COMX 106	Comm in a Dynamic Workplace	3
Total		12