

Area of Interest: Nursing, Health & Emergency Careers

Degree: Diagnostic Medical Sonography, Associate of Applied Science (AAS)



**Central
Arizona
College**

Stackable Certificate 1: OB/GYN Sonography

Stackable Certificate 2: Pediatric Sonography

College Catalog: [2025-2026](#)

Program Location: Superstition Mountain Campus

Program Description: The Diagnostic Medical Sonography (DMS) program is designed to prepare students for entry-level positions in the field of sonography. This comprehensive program begins each Fall semester and offers an Associate of Applied Science (AAS) Degree in Diagnostic Medical Sonography, spanning two years of full-time study across six sequential semesters, including summer sessions. In addition, two specialty certificates will be embedded with the AAS degree, the OB/GYN sonography for OB registered nurses and the pediatric sonography certificate for practicing sonographers.

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Advising: nhec.advisor@centralaz.edu

Area of Interest Website: [Nursing, Health & Emergency Careers](#)

Legend

Recommended Course (R)	Stackable Certificate (SC)	Social/Behavioral Science (SB)
Written Communication (WC)	Oral Communication (OC)	Arts/Humanities (AH)
Lab Science (LS)	Mathematics (M)	Core Course (CC)

Admission Requirements:

Before applying to the program, students need to have completed the following:

High School Diploma or equivalency (GED).
Record of Immunizations.
Pre-admission testing to prove college-level English, reading and math proficiency.
Pass screening tests that will include drug testing, criminal background check and fingerprinting.
Possess the ability to perform basic physical tasks as required
General Education requirements must be completed prior to admission to the Program

Recommended Proficiencies:

Prior health care, patient, and clinical experience.
Front office/back-office experience.
Medical terminology.
Pre-medical coursework.
Computer, presentation, and problem-solving skills.

Semester 1- New Students: Find your suggested starting point for [English/Reading & Math](#) courses.

*Students who are not strong in Math may wish to take MAT097 or MAT121 in the 1st semester to prepare for MAT151/PHY 101

	COURSE	CREDITS	SEMESTER/GRADE	NOTES
WC	ENG101 College Composition I	3		Health-care specific section preferred.
OC	COM100 Fundamentals of Human Communication or higher	3		
AH	Arts and Humanities course: ART, HMC, LIT, MHL, PHY, THE, etc.	3		
LS	BIO160 Introduction to Human Anatomy & Physiology	4		Full sequence of BIO201, BIO201 is required to replace BIO160. Required for admission to the program. A grade of B is required.
	Semester Credits	13	Meet with your CAC advisor each semester!	

Semester 2- Students can apply to the Program after the first semester.

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
	LS	PHY101 Introduction to physics or higher	4		Required for admission to the program. A grade of B is required.
	SB	Social and Behavioral Science course: AGS, AJS, ASB, ECN, HIS, PSY, SOC, etc.	3		
	M	MAT151 College Algebra Standard or higher	3-4		A grade of B is required.
		Semester Credits	10-11	Applications accepted for the Program	

Spring: Semester 3- Students must be admitted to the program to start these courses.

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
SC1	CC	DMS101/101L Introduction to Diagnostic Medical Sonography with Lab	3		
	CC	DMS200 or NUR200 Advanced Medical Terminology for Nursing and Healthcare Professionals	1		
SC1	CC	DMS120/120L Cross Sectional Anatomy for Medical Imaging with Lab	3		
SC1	CC	DMS130/130L Sonographic Principles and Instrumentation I with Lab	3		
	CC	DMS132/132L Abdominal Ultrasound Imaging I with Lab	4		
	CC	DMS250 Basics of Clinical Laboratory Science	1		
	CC	DMS158 Practical Case Studies in Sonography I	1		
		Semester Credits	16	Meet with your CAC advisor each semester!	

Summer: Semester 4

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
	CC	DMS149 Pathophysiology for Sonographers	3		
	CC	DMS102 Clinical Pharmacology for Sonographers	1		DMS149 Corequisite.
SC1	CC	DMS140/140L Sonographic OB/GYN Imaging with Lab	3		
	CC	DMS154/154L Abdominal Sonography Imaging II with Lab	3		
SC2	CC	DMS274/274L Pediatric/Neurological Sonography with Lab	4		
SC1	CC	DMS159 Practical Case Studies in Sonography II	1		
		Semester Credits	15	Research career resources and opportunities!	

Fall: Semester 5

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
	CC	DMS135/135L Small Parts Ultrasound Imaging with Lab	2		
SC1	CC	DMS234/234L Sonographic Principles and Instrumentation II with Lab	3		
SC1	CC	DMS242/242L Sonographic OB/GYN Imaging II- High Risk OB with Lab	3		

	CC	DMS271/271L Concepts of Vascular Imaging with Lab	4		
SC2	CC	DMS259 Sonography Case Studies III	1		
	CC	DMS275/275L Musculoskeletal Sonography with Lab	0-4		Optional for AAS
		Semester Credits	13-17	Meet with your CAC advisor each semester!	

Spring: Semester 6

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
SC1	CC	DMS150 Clinical Sonography Practicum I	4		
SC1	CC	DMS151 Clinical Sonography Practicum II	4		
	CC	DMS273/273L Advanced Sonography Applications with Lab	2		
SC1	CC	DMS280 Physics and Instrumentation Registry Review	1		
	CC	DMS289 Vascular Technology RVS/RVT Registry Exam Review	1		
		Semester Credits	12	Apply for graduation and attend career events!	

Summer: Semester 7

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
	CC	DMS152 Clinical Sonography Practicum III	4		
	CC	DMS254 Clinical Sonography Practicum IV	4		
	CC	DMS281 Abdominal Sonography Registry Review	1		
SC1	CC	DMS282 OB/GYN Sonography Registry Review	1		
SC2	CC	DMS283 Pediatric Sonography Review	1		
		Semester Credits	11	Finish strong- don't get distracted before finals!	

Fall: Semester 8

		COURSE	CREDITS	SEMESTER/GRADE	NOTES
	CC	DMS290 Sonography Capstone Senior Project	2		
SC2	CC	DMS255 Clinical Sonography Practicum V	4		
SC2	CC	DMS256 Clinical Sonography Practicum VI	4		
		Semester Credits	10		
		Total Certificate Credits	100-105		105 if DMS275/275L are completed and a 4-credit math course.

Arizona Resident Tuition for 2025-2026 is \$75 per credit hour; see [Paying for College](#). Financial aid may be available.

Career Information

CAC Career Center: centralaz.edu/career FREE CAC career resources and assistance.

O*NET OnLine: Visit onetonline.org and search for:

- Education needed for specific occupations
- Occupation tasks, knowledge, skills and abilities
- Salary/wages for specific occupations (\$)

Transfer Information

CAC University Transfer Center: centralaz.edu/transfer FREE CAC transfer resources and assistance.

Note: Use this Program MAP as a guide to choose courses with your advisor and track progress towards milestones and completion of program. Work with an advisor to customize your plan to align with your specific career and/or transfer goals.

Part-Time Students: Plans can be modified to fit the need of part-time students by adding more semesters.

Student Name:	Advisor Name:
Student ID Number: 880	Date: