



[NALHDSAAS; CIP Code 51.0910]

Associate in Applied Science (A.A.S.) – Career

The Diagnostic Medical Sonography program prepares students for a rewarding career as a skilled sonographer. Sonographers utilize high-frequency sound waves to visualize and assess various anatomical structures within the human body. As part of their responsibilities, sonographers meticulously capture high-quality diagnostic images and provide insightful interpretations of their findings. This comprehensive program prepares students to excel as entry-level sonographers, emphasizing proficiency in abdominal, gynecological, and obstetrical scanning. A central focus lies on delivering optimal patient care within the context of our culturally diverse communities.

Program Learning Outcomes

Students who have completed the program should be able to:

- Correlate patient history to construct a comprehensive overview
- Pass the American Registry for Diagnostic Medical Sonographers (ARDMS) upon graduation
- Perform appropriate procedures and record anatomic & pathologic data for interpretation
- Perform quality diagnostic exams and optimize images using ultrasound equipment features.
- Appropriately modify protocols based on individualized patient circumstances and sonographic findings.
- Utilize professional communication skills when interacting with patients and members of the healthcare team
- Integrate legal and ethical concepts into the practice of sonography

Program Contact

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✦ Are you ready to get started at RCSJ? Visit [RCSJ.edu/Enroll](https://www.rcsj.edu/Enroll) and complete the interest form. ✦

Diagnostic Medical Sonography (DMS), A.A.S.

FIRST YEAR – Fall Semester

❑ ENGL 101 English Composition I <i>or</i> ENGL 101E Enhanced English Composition I	3–4
❑ BIOL 105 Anatomy & Physiology I	4
❑ PHYS 123 General Physics I	4
❑ HPRF 104 Patient Care	1
❑ DMSI 101 Introduction to Medical Imaging	1
❑ DMSI 104 Cross Section Anatomy	2
	15–16

Second Semester – Spring

❑ ENGL 102 English Composition II	3
❑ BIOL 106 Anatomy & Physiology II	4
❑ DMSI 107 Ultrasound Physics	3
❑ DMSI 110 Abdominal Sonography I	2
❑ DMSI 215 Sonographic Interpretations I	2
❑ DMSI 112 Scan Lab I	1
	15

Third Semester – Summer

❑ DMSI 118 Introduction to Clinical Practicum	2
❑ DMSI 122 Scan Lab II	1
❑ DMSI 218 Vascular Ultrasound	1
❑ PSYC 101 General Psychology	3
	7

SECOND YEAR – Fall Semester

❑ DMSI 120 Abdominal Sonography II	3
❑ DMSI 130 Clinical Practicum I	8
❑ DMSI 224 Scan Lab III	1
❑ DMSI 209 OB/GYN Sonography I	3
	15

Fifth Semester – Winter

❑ DMSI 230 Clinical Practicum II	2
	2

Sixth Semester – Spring

❑ DMSI 210 OB/GYN Sonography II	3
❑ DMSI 240 Clinical Practicum III	8
❑ DMSI 250 Scan Lab IV	1
❑ DMSI 255 Seminars	1
❑ DMSI 235 Sonographic Interpretations II	2
	15

TOTAL MINIMUM CREDITS: 69

Program Notes

Refer to the course description section of this catalog for prerequisite/co-requisite course requirements