



[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

✦ 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**

|                                                                                                               |             |
|---------------------------------------------------------------------------------------------------------------|-------------|
| <input type="checkbox"/> ENGL 101 English Composition I <i>or</i><br>ENGL 101E Enhanced English Composition I | 3–4         |
| <input type="checkbox"/> BIOL 105 Anatomy & Physiology I                                                      | 4           |
| <input type="checkbox"/> PHYS 123 General Physics I                                                           | 4           |
| <input type="checkbox"/> HPRF 104 Patient Care                                                                | 1           |
| <input type="checkbox"/> DMSI 101 Introduction to Medical Imaging                                             | 1           |
| <input type="checkbox"/> DMSI 104 Cross Section Anatomy                                                       | 2           |
|                                                                                                               | <hr/> 15–16 |

### **Second Semester – Spring**

|                                                                 |          |
|-----------------------------------------------------------------|----------|
| <input type="checkbox"/> ENGL 102 English Composition II        | 3        |
| <input type="checkbox"/> BIOL 106 Anatomy & Physiology II       | 4        |
| <input type="checkbox"/> DMSI 107 Ultrasound Physics            | 3        |
| <input type="checkbox"/> DMSI 110 Abdominal Sonography I        | 2        |
| <input type="checkbox"/> DMSI 215 Sonographic Interpretations I | 2        |
| <input type="checkbox"/> DMSI 112 Scan Lab I                    | 1        |
|                                                                 | <hr/> 15 |

### **Third Semester – Summer**

|                                                                      |         |
|----------------------------------------------------------------------|---------|
| <input type="checkbox"/> DMSI 118 Introduction to Clinical Practicum | 2       |
| <input type="checkbox"/> DMSI 122 Scan Lab II                        | 1       |
| <input type="checkbox"/> DMSI 218 Vascular Ultrasound                | 1       |
| <input type="checkbox"/> PSYC 101 General Psychology                 | 3       |
|                                                                      | <hr/> 7 |

### **SECOND YEAR – Fall Semester**

|                                                           |          |
|-----------------------------------------------------------|----------|
| <input type="checkbox"/> DMSI 120 Abdominal Sonography II | 3        |
| <input type="checkbox"/> DMSI 130 Clinical Practicum I    | 8        |
| <input type="checkbox"/> DMSI 224 Scan Lab III            | 1        |
| <input type="checkbox"/> DMSI 209 OB/GYN Sonography I     | 3        |
|                                                           | <hr/> 15 |

### **Fifth Semester – Winter**

|                                                         |         |
|---------------------------------------------------------|---------|
| <input type="checkbox"/> DMSI 230 Clinical Practicum II | 2       |
|                                                         | <hr/> 2 |

### **Sixth Semester – Spring**

|                                                                  |          |
|------------------------------------------------------------------|----------|
| <input type="checkbox"/> DMSI 210 OB/GYN Sonography II           | 3        |
| <input type="checkbox"/> DMSI 240 Clinical Practicum III         | 8        |
| <input type="checkbox"/> DMSI 250 Scan Lab IV                    | 1        |
| <input type="checkbox"/> DMSI 255 Seminars in Ultrasound         | 1        |
| <input type="checkbox"/> DMSI 235 Sonographic Interpretations II | 2        |
|                                                                  | <hr/> 15 |

**TOTAL MINIMUM CREDITS: 69**

#### **Program Notes**

Refer to the course description section of this catalog for prerequisite/corequisite course requirements