

Associate of Applied Science in Diagnostic Medical Sonography

The Associate of Applied Science (AAS) in Diagnostic Medical Sonography (DMS) prepares competent entry-level sonographers in the cognitive (knowledge), psychomotor (skills) and affective (behavior) learning domains in abdominal sonography extended and obstetrics and gynecology sonography. Examples of examinations performed by sonographers include abdominal, gynecological, fetal, breast, vascular, small part and superficial structures. Graduates are prepared to sit for a national certification exam in diagnostic medical sonography.

Diagnostic medical sonographers are trained to provide patient care services, applying ultrasound technology to create images of organs, tissues and blood vessels in a variety of medical settings. Sonographers assist physicians with assessing and diagnosing medical conditions as well as monitoring fetal development.

Admission Requirements

- Complete the Admission Requirements for Associate Degrees (<http://catalog.uaa.alaska.edu/academicpoliciesprocesses/admissions/undergraduate/>).
- Complete the following courses with a minimum grade of C:
 - BIOL A111 and BIOL A111L
 - BIOL A112 and BIOL A112L
 - MA A101
 - RADT A151
- Submit a diagnostic medical sonography program application according to instructions and deadlines on the DMS program website (<https://www.uaa.alaska.edu/academics/college-of-health/departments/school-of-allied-health/diagnostic-medical-sonography/>).
- Provide documentation of:
 - Completion of a minimum of 8 hours of sonographer observation at two imaging facilities, documented on the program observation form found on the DMS program website (<https://www.uaa.alaska.edu/academics/college-of-health/departments/school-of-allied-health/diagnostic-medical-sonography/>).

All students will initially be admitted to pre-major status. Admission to pre-major status does not guarantee subsequent admission to the major. As a pre-major, students work with an advisor to assist them in completing pre-major requirements and preparing to apply to the full major. The DMS program website (<https://www.uaa.alaska.edu/academics/college-of-health/departments/school-of-allied-health/diagnostic-medical-sonography/>) provides details on the admission requirements, process, and deadlines.

Special Considerations

- Once admitted to the full major, students will be required to submit results of a national-level criminal background check for clinical placement.
- Students may be required to show proof of immunizations prior to the start of clinical placement.
- Students will be required to physically attend courses at the main Anchorage campus the first year of full major status.
- Students will be required to complete clinical training at sites around the state during the second year to satisfy competency and graduation requirements. The travel, lodging, and other costs associated with clinical assignment outside the Anchorage area is at the student's expense.
- Students may be required to show proof of health insurance prior to the start of clinical placement.

Graduation Requirements

- Complete the General University Requirements for Associate Degrees (<http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/>).
- Complete the General Education Requirements for Associate of Applied Science Degrees (<http://catalog.uaa.alaska.edu/undergraduateprograms/aasrequirements/generaleducationrequirements/>).
- Complete the following major requirements with a minimum grade of C:

Code	Title	Credits
BIOL A111	Human Anatomy and Physiology I	3
BIOL A111L	Human Anatomy and Physiology I Lab	1
BIOL A112	Human Anatomy and Physiology II	3
BIOL A112L	Human Anatomy and Physiology II Lab	1
DMS A101	Introduction to Sonography	2
DMS A103	Patient Care in Sonography	2
DMS A105	Principles and Instrumentation I	3
DMS A107	Abdominal Sonography I	3
DMS A109	OB and Gyn Sonography I	3
DMS A205	Principles and Instrumentation II	3
DMS A207	Abdominal Sonography II	3
DMS A209	OB and Gyn Sonography II	3
DMS A213	Vascular Technology	2
DMS A217	Fundamentals of Sonography Lab	1
DMS A219	Practical Sonography Lab	3
DMS A292A	DMS Seminar I	3
DMS A292B	DMS Seminar II	3
DMS A295A	Clinical Practicum I	9
DMS A295B	Clinical Practicum II	9
MA A101	Medical Terminology	3

RADT A151	Radiographic Physics	2
Total		65

A minimum of 74 credits is required for the degree.

Program Student Learning Outcomes

Students graduating with an Associate of Applied Science in Diagnostic Medical Sonography will be able to:

- Demonstrate appropriate technical and effective skills in the clinical setting.
- Demonstrate patient-centered age-specific imaging.
- Analyze images to determine diagnostic quality.
- Demonstrate critical thinking and problem-solving skills in both the didactic and clinical setting.
- Apply written communication skills to the construction of documents of record that follow established professional guidelines.
- Apply oral communication skills to the explanation of ideas and scientific terminology.
- Explain cultural diversity and evaluate the role of cultural competency, values, and ethics in the patient care setting.
- Demonstrate proper work ethics.
- Examine the value of leadership, professional development, and growth.