

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

Ultrasonography is a diagnostic imaging procedure that utilizes high frequency sound waves to image abdominal organs, vessels, the heart, and the developing fetus in the maternal uterus. Ultrasound can demonstrate masses, fluid accumulations and other pathology in the patient. Ultrasound exams are performed under the supervision of a qualified physician. Students electing to take this area of study are prepared to enter the sonography field in the areas of adult and pediatric echocardiography as well as vascular ultrasound. The student, upon graduation, will be eligible to sit for the National Registry Exams for Diagnostic Cardiac Sonography. Upon passing the exams, they will use the designation RDCS (Registered Diagnostic Cardiac Sonographer). This is a limited entry program and students must attend a health programs orientation and meet with a health programs advisor for additional counseling. The Diagnostic Medical Sonography Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the JRC-DMS which is located at 2025 Woodlane Drive, St. Paul, MN 55125, (651) 731-1582.

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- Demonstrate the ability to evaluate cardiovascular ultrasonic images for appropriate anatomy and recognize cardiovascular pathologic conditions.
- Demonstrate the ability to operate cardiovascular ultrasound equipment and determine proper sonographic techniques, transducer size, and image setting to obtain quality images.
- Demonstrate the ability to anticipate and provide basic patient care and comfort during sonographic procedures.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 111B, 116 or above (except MATH 122, 123)	3	_____
SCIENCE: BIOL 223, 224	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (65 Credits):

	CR	SEMESTER
EGG 131 Technical Physics I OR Physics with Lab	4	_____
HIT 117B Medical Terminology I	1	_____
SON 102B Basic Cardiac Sonography	3	_____
SON 102L Basic Cardiac Sonography Lab	1	_____
SON 116B Echocardiography I	3	_____
SON 125B Sonographic Physics and Instrumentation I	3	_____
SON 135B Cardiovascular Ultrasound Physics	2	_____
SON 150B Patient Care for Imaging Professions	3	_____
SON 160B Sonographic Scanning Lab I	2	_____
SON 190B Sonographic Physics and Instrumentation II	3	_____
SON 195B Sonographic Scanning Lab II	2	_____
SON 216B Echocardiography II	3	_____
SON 225B Stress Echocardiography	3	_____
SON 250B Seminar and Case Review I	2	_____
SON 255B Seminar and Case Review II	2	_____
SON 261B Pediatric Echocardiography I	3	_____
SON 262B Pediatric Echocardiography II	2	_____
SON 275B Vascular Sonography I	3	_____
SON 275L Vascular Sonography Lab I	1	_____
SON 276B Vascular Sonography II	3	_____
SON 276L Vascular Sonography Lab II	1	_____
SON 280B Sonographic Clinical Practicum I	2	_____
SON 281B Sonographic Clinical Practicum II	2	_____
SON 282B Sonographic Clinical Practicum III	3	_____
SON 283B Sonographic Clinical Practicum IV	3	_____
SON 284B Sonographic Clinical Practicum V	3	_____
SON 291B Cardiac Registry Review	2	_____

ASSOCIATE OF APPLIED SCIENCE

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

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Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.