

Diagnostic Medical Sonography

Associate of Applied Science (A.A.S.)

Southern Arkansas University Tech's Diagnostic Medical Sonography program is a 66 credit hour program designed to provide students with general knowledge, skills and competencies needed to have a successful career in diagnostic medical sonography. This program is based on the requirements necessary to pass the American Registry of Diagnostic Sonography (ARDMS) certification examination and to function as a general sonographer. Upon completion of the coursework, graduates will receive an Associate of Applied Science in Diagnostic Medical Sonography and will be eligible to take the ARDMS examination in Sonography Principles and Instrumentation (SPI), Abdomen and Obstetrics and Gynecology.

Program Goal

Program Learning Outcomes (PLOs)

- PLO 1. Students will gain general and sonographic knowledge to be able to think critically, obtain appropriate clinical history, apply the information to the examination, use sound judgement when in the healthcare setting, and to present complete and accurate sonographic findings to the interpreting physician, as well as recognize and use resources to enhance self-development and professional growth.
- PLO 2. Students will demonstrate skilled proficiency of general sonographic procedures, be able to optimize images using the given equipment features, interpret diagnostic procedures, perform patient assessments and integrate clinical history from related imaging studies.
- PLO 3. Students will function as a team member in a variety of healthcare settings, apply affective oral, visual and written communication skills necessary to provide compassionate, professional patient care, and will accept constructive feedback, all while adhering to ethical standards.

Program Entrance Requirements

1. Completed program application;
2. GPA of 2.0 or higher;
3. Completed and passed all prerequisite courses with a "C" or higher; and
4. ATI TEAS entrance examination - Must score 43% or higher.



DEGREE PLAN 2021-2022

(Pending ADHE and HLC Approval)

Developmental Coursework

Course Number	Course Title	Required	Enrolled	Completed
ENGL 0121	Composition I Lab	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MATH 0121	College Algebra Lab	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Program Prerequisites (14 hours)

Course Number	ACTS #	Course Title	Enrolled	Completed
ENGL 1113	ENGL 1013	Composition I [P1]	<input type="checkbox"/>	<input type="checkbox"/>
MATH 1023	MATH 1003	College Algebra [P1]	<input type="checkbox"/>	<input type="checkbox"/>
BIOL 2404	BIOL 2404	Anatomy & Physiology I [C1]	<input type="checkbox"/>	<input type="checkbox"/>
PHYS 2014	PHYS 2014	College Physics I [P2]	<input type="checkbox"/>	<input type="checkbox"/>

Semester I (12 hours)

Course Number	ACTS #	Course Title	Enrolled	Completed
AH 1143	N/A	Medical Terminology	<input type="checkbox"/>	<input type="checkbox"/>
SONO 1011	N/A	Introduction to Sonography	<input type="checkbox"/>	<input type="checkbox"/>
SONO 1102	N/A	Sonographic Principles & Instrumentation I	<input type="checkbox"/>	<input type="checkbox"/>
SONO 1143	N/A	Ultrasound Learning Lab I	<input type="checkbox"/>	<input type="checkbox"/>
SONO 1203	N/A	Sonographic Sectional Anatomy	<input type="checkbox"/>	<input type="checkbox"/>

Semester II (13 hours)

Course Number	ACTS #	Course Title	Enrolled	Completed
BIOL 2414	BIOL 2424	Anatomy & Physiology II [P3]	<input type="checkbox"/>	<input type="checkbox"/>
ENGL 1123	ENGL 1023	Composition II [P4]	<input type="checkbox"/>	<input type="checkbox"/>
SONO 1122	N/A	Abdominal Ultrasound I	<input type="checkbox"/>	<input type="checkbox"/>
SONO 1161	N/A	Ultrasound Practicum I	<input type="checkbox"/>	<input type="checkbox"/>
SONO 1182	N/A	Obstetrics & Gynecology I	<input type="checkbox"/>	<input type="checkbox"/>
SONO 1021	N/A	Sonographic Prin & Instrumentation II	<input type="checkbox"/>	<input type="checkbox"/>

Semester III (13 hours)

Course Number	ACTS #	Course Title	Enrolled	Completed
MIS 1003	CPSI 1003	Introduction to Computers	<input type="checkbox"/>	<input type="checkbox"/>
SONO 2123	N/A	Abdominal Ultrasound II [P5]	<input type="checkbox"/>	<input type="checkbox"/>
SONO 2163	N/A	Ultrasound Practicum II [P6]	<input type="checkbox"/>	<input type="checkbox"/>
SONO 2183	N/A	Obstetrics & Gynecology II [P7]	<input type="checkbox"/>	<input type="checkbox"/>
SONO 2201	N/A	Sonographic Prin & Instrumentation III [P8]	<input type="checkbox"/>	<input type="checkbox"/>

Semester IV (14 hours)

Course Number	ACTS #	Course Title	Enrolled	Completed
PSYC 2003	PSYC 1103	General Psychology	<input type="checkbox"/>	<input type="checkbox"/>
PHIL 2253	N/A	Biomedical Ethics	<input type="checkbox"/>	<input type="checkbox"/>
SONO 2302	N/A	Abdominal Ultrasound III [P9]	<input type="checkbox"/>	<input type="checkbox"/>
SONO 2403	N/A	Ultrasound Practicum III [P10]	<input type="checkbox"/>	<input type="checkbox"/>
SONO 2502	N/A	Obstetrics & Gynecology III [P11]	<input type="checkbox"/>	<input type="checkbox"/>
SONO 2601	N/A	Comprehensive Seminar	<input type="checkbox"/>	<input type="checkbox"/>

Total Credit Hours: 66

General Information

- Developmental coursework may be required in addition to the courses required for this degree and/or certificate(s).
- A [P] indicates that a prerequisite is required before the course can be taken. Refer to the prerequisites table listed below the degree plan or the course description in the College Catalog to determine the prerequisite.

General Requirements

- This degree requires successful completion of **66** credit hours.
- All degree-seeking students are required to take Student Success.
- A minimum 2.00 cumulative grade point average is required for graduation.
- Satisfaction of all financial obligations due to the college is required for graduation.

Residency Requirement

The student is required to complete a minimum of 15 semester hours in residence at SAU Tech for associate degrees and technical certificates and half of the credit hours required for certificates of proficiency as well as complete all other graduation requirements. Students who wish to pursue additional degrees must complete a minimum of 15 credit hours of difference between the degrees.

ACTS Course Numbers

The Arkansas Course Transfer System (ACTS) contains information about the transferability of courses within Arkansas public colleges and universities. Students are guaranteed the transfer of applicable credits and equitable treatment in the application of credits for admissions and degree requirements. Go to <http://acts.adhe.edu> for more information.

PREREQUISITES

P1	Refer to the SAU Tech Placement Plan.
P2	MATH 1023-College Algebra and ENGL 1113-Composition I
P3	BIOL 2414-Anatomy & Physiology I.
P4	ENGL 1113-Composition I.
P5	SONO 1122- Abdominal Ultrasound I.
P6	SONO 1161- Ultrasound Practicum I.
P7	SONO 1182- Obstetrics & Gynecology I.
P8	SONO 1021- Sonographic Prin & Instrumentation II.
P9	SONO 2123- Abdominal Ultrasound II.
P10	SONO 2163- Ultrasound Practicum II.
P11	SONO 2183- Obstetrics & Gynecology II.

CO-REQUISITES

C1	ENGL 1113-Composition I OR ENGL 1113 and ENGL 0121-Composition I Lab.
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