

Medical Imaging, Diagnostic Medical Sonography, Associate of Applied Science

Old Information tab text:

Diagnostic Medical Sonography Program Goals

1. Graduates will be clinically competent sonographers.
2. Graduates will be eligible to apply for, take, and pass the American Registry of Diagnostic Medical Sonography certification exams upon completion of the program.
3. Graduates will be able to find employment.
4. Graduates will be satisfied with their education.
5. Employers will be satisfied with program graduates.

The purpose of the Diagnostic Medical Sonography program is to prepare competent entry-level general sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. In accordance with fulfilling its purpose, the program will provide experience to support the following: develop proficiency by not settling for a minimum standard; develop independence by showing initiative to complete tasks without being directed to do so; assume responsibility by accepting constructive comments from personnel, physicians, and instructors; solve problems by doing anything, which is reasonable and within one's sphere of influence, to resolve dilemmas; organize work by arranging tasks so that they are performed accurately and expeditiously; and integrate previous learning by utilizing concepts learned in the past to improve current clinical performance.

Student Learning Outcomes

The Goals and Student Learning Outcomes for the Abdominal Extended Concentration are as follows:

Cognitive Domain: Student will demonstrate critical thinking.

1. Students will be able to function in the health care setting with appropriate medical and patient care knowledge, sonographic equipment, patient safety guidelines and universal precautions when performing abdomen examinations.
2. Students will be able to demonstrate knowledge and application of patient laboratory findings as it relates to abdominal physiology.
3. Students will adjust technical factors to achieve ALARA principles during abdominal sonographic examinations.

Psychomotor Domain: Students will demonstrate the skills of a competent entry-level sonographer.

1. Students will be able to exhibit clinical competence in patient care, equipment manipulation, image evaluation, and technical factor selection when performing abdominal examinations.
2. Students will embody the skills necessary to perform patient assessment and care.
3. Students will adjust technical factors to meet the needs of abdominal examination.

Affective Domain: The students will communicate effectively.

1. Students will utilize effective oral and written communication skills as required of in a healthcare setting.

2. Students will be able to maintain the values of a professional sonographer by following ethical guidelines and exhibiting professional behavior.

The Goals and Student Learning Outcomes for the Obstetrics and Gynecology Concentration are as follows:

Cognitive Domain: Student will demonstrate critical thinking

1. Students will be able to function in the health care setting with appropriate medical and patient care knowledge, sonographic equipment, patient safety guidelines and universal precautions when performing obstetric and gynecological sonography exams.
2. Students will be able to demonstrate knowledge and application of patient laboratory findings as it relates to Obstetrics and Gynecology physiology.
3. Students will adjust technical factors to achieve ALARA principles during sonographic examinations.

Psychomotor Domain: Students will demonstrate the skills of a competent entry-level sonographer.

1. Students will be able to exhibit clinical competence in patient care, equipment manipulation, image evaluation, and technical factor selection when performing obstetric and gynecological sonography exams.
2. Students will embody the skills necessary to perform patient assessment and care.
3. Students will adjust technical factors to meet the needs of obstetric and gynecological sonographic examination.

Affective Domain: The students will communicate effectively.

1. Students will utilize effective oral and written communication skills as required of in a health care setting.
2. Students will be able to maintain the values of a professional sonographer by following ethical guidelines and exhibiting professional behavior.

New Information tab text:

Program Goals and Student Learning Outcomes

The goal of the Diagnostic Medical Sonography program is to prepare competent entry-level sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains for the Abdominal Sonography-Extended and Obstetrics and Gynecology Sonography concentrations. In accordance with fulfilling its purpose, the program will provide experience to support the following: develop proficiency by not settling for a minimum standard; develop independence by showing initiative to complete tasks without being directed to do so; assume responsibility by accepting constructive comments from personnel, physicians and instructors; solve problems by doing anything, which is reasonable and within one's sphere of influence, to resolve dilemmas; organize work by arranging tasks so that they are performed accurately and expeditiously; and integrate previous learning by utilizing concepts learned in the past to improve current clinical performance.

1. Graduates will be clinically competent sonographers in the Abdomen Sonography-extended and Obstetrics and Gynecology concentrations.
2. Graduates will be eligible to apply for, take, and pass the American Registry of Diagnostic Medical Sonography for the Abdomen Sonography-extended and Obstetrics and Gynecology concentrations.

3. Graduates will be able to find employment.
4. Graduates will be satisfied with their education.
5. Employers will be satisfied with graduates' education.

Cognitive: Students will demonstrate skills in critical thinking.

1. Students will demonstrate appropriate medical and patient care knowledge to function in the health care setting.
2. Students will accurately assess and interpret data from patient medical records.
3. Students will adjust technical factors to achieve ALARA principles during sonographic examinations.

Psychomotor: Students will demonstrate the skills of a competent entry-level sonographer.

1. Students will effectively perform assigned clinical competencies.
2. Students will possess the skills necessary to perform patient assessment and care.
3. Students will properly adjust technical factors to meet the needs of individual sonographic examination.

Affective: The students will communicate effectively.

1. Students will demonstrate effective oral and written communication within a healthcare setting.
2. Students will demonstrate ethical and professional behavior and maintain the values of a professional sonographer.