DIAGNOSTIC IMAGING

This Selective Program has a competitive entry selection process based on a competitive point system. Application requirements are included in the description below.

Radiologic Technology
Associate of Applied Science

Radiologic technologists are health care professionals who perform diagnostic imaging procedures that utilize ionizing radiation, such as x-ray examinations, fluoroscopic studies, and portable radiography. They are responsible for accurately positioning patients and ensuring that quality diagnostic images are produced. They work closely with radiologists, the physicians who interpret medical images to either diagnose or rule out disease or injury.

The Associate of Applied Science Degree in Radiologic Technology at South Texas College is an approved program by the Southern Association of Colleges and Schools Accreditation Guidelines. The program provides educational and clinical experience that result in extensive knowledge in patient care, radiographic procedures, examination techniques, equipment operation, radiation protection, and image production and evaluation. Throughout the clinical and practicum aspects of the program, students will train in various medical facilities with experienced radiologic technologists.

Students are trained for employment as entry-level radiologic technologists in hospitals, outpatient imaging centers, mobile imaging services, and additional medical facilities. Upon completion of the program, graduates will be eligible to sit for the national certification examination for Radiologic Technology administered by the American Registry of Radiologic Technologists (ARRT). Successful completion of this exam results in the designation of the title as a Registered Technologist in Radiography, or R.T. (R) (ARRT). The state of Texas also requires that individuals approved to sit for the national certification examination also apply for state licensure before being allowed to practice in this state.

Program Admission Requirements

All applicants must:

A. Participate in the required Prospective Student Information Session. For the session schedule, access the information online at http://nah.southtexascollege.edu/rad or contact the Radiologic Technology Program at 956-872-3049.

B. Be admitted to the college as a high school graduate or GED equivalent.

C. Meet TSI College Readiness Standards, or meet TSI exemption standards.

D. Complete the ACT exam including the writing component. Achieve an ACT composite of 19 or above and a minimum of 16 in all individual areas (English, Math, Reading, and Science). ACT Writing score must be a 6 or above. Scores must be current within the last 5 years. ACT exemptions are not permitted.

E. Complete all prerequisite courses with a minimum grade of “B” as listed in the Radiologic Technology Program degree plan. BIOL 2401 Anatomy and Physiology I and Mathematics Elective courses must be current within the last 5 years. RADR 1309 Introduction to Radiography and Patient Care must be current within 2 years from the application date.

F. Earn a minimum cumulative GPA of 3.0 on a 4.0 scale in all courses listed in the Radiologic Technology degree plan. This includes courses completed through South Texas College and transfer courses.

G. Be 18 years of age or older.

H. Pass a criminal background check, 10-panel drug screen through approved providers, and complete all required immunizations including Hepatitis B series. Students with criminal histories must provide proof of certification eligibility from the American Registry of Radiologic Technologists (ARRT) prior to application. For more information contact the NAH Clinical Affairs Specialist at 872-3022.

I. Meet Technical Standards as stated by the Program.

J. Satisfy healthcare agency requirements prior to clinical practice.

K. Submit a completed Program application by stated deadline. For more information contact the Radiologic Technology Program at 956-872-3049 or access the information online at http://nah.southtexascollege.edu/rad.

Competitive Entry Selection Process

Admission to the Radiologic Technology Program is based on a point system score. Selection of students is made one time per year at the end of the spring semester. The deadline for applying to the Radiologic Technology Program is the last Friday in May of the current year. For specific information on the point system utilized for candidate selection, please contact the Radiologic Technology Program at 956-872-3049 or access the information online at http://nah.southtexascollege.edu/rad.

A new applicant pool is established for each admission period. Applicants who were not admitted for the current application period must re-apply to be considered for a later application period.

NOTE: Please see program webpage for additional information regarding the application process at http://nah.southtexascollege.edu/rad.

Graduation Requirements

To earn an Associate of Applied Science in the Radiologic Technology Program, students must meet college graduation requirements and complete all coursework as prescribed in the degree plan with a minimum grade of “C” in didactic courses and minimum grade of “B” in the clinical/practicum courses. Students must also pass the written and practicum examinations as required of the final Capstone courses.

Diagnostic Medical Sonography
Advanced Technical Certificate

Diagnostic medical sonographers are health care professionals who perform diagnostic imaging procedures with the use of high frequency sound waves (ultrasound) to produce dynamic visual images of organs, tissues, or blood flow inside the body. This type of procedure is often referred to as a sonogram or ultrasound scan. Diagnostic medical sonographers work closely with radiologists, the physicians who interpret medical images to either diagnose or rule out disease or injury. Sonography is a radiation-free imaging modality that has many applications in the diagnosis and treatment of medical conditions in the abdomen, obstetrics, heart, vascular system, and various superficial structures.

The Diagnostic Medical Sonography Advanced Technical Certificate at South Texas College is an...
approved program by the Southern Association of Colleges and Schools Accreditation Guidelines. The program provides educational and clinical experience that result in extensive knowledge in ultrasound physics and instrumentation, use of Doppler imaging, cross-sectional anatomy and pathophysiology in the abdomen, pelvis, obstetrics, gynecology, and superficial structures. Throughout the clinical and practicum aspects of the program, students will train in various medical facilities with experienced sonographers.

Upon successful completion of the program, students will receive an Advanced Technical Certificate in Diagnostic Medical Sonography. Students will also be competent to challenge the abdomen and obstetrics specialty examinations, which are two of the various specialties offered by the American Registry for Diagnostic Medical Sonography (ARDMS) national examination.

Application to the Diagnostic Medical Sonography Program requires a minimum of an associate degree in a nursing or allied health profession that is patient care related. A bachelor degree and higher in a related field may be accepted if the degree meets the requirements of the program. All degrees will be reviewed on a case-by-case basis.

**Program Admission Requirements**

All applicants must:

A. Participate in the required Prospective Student Information Session. For the session schedule, access the information online at http://nah.southtexascollege.edu/rad or contact the Radiologic Technology Program at 956-872-3049.

B. Be admitted to the college as a high school graduate or GED equivalent.

C. Hold a minimum of an associate degree in a nursing, allied health profession or related field. Degrees that are not in nursing, allied health or a related field will be reviewed on a case-by-case basis.

D. Pass a criminal background check, 10-panel drug screen through approved providers, and complete all required immunizations including Hepatitis B series. Students with criminal histories must provide proof of compliance from the American Registry for Diagnostic Medical Sonography (ARDMS) prior to application.

E. Meet technical standards as stated by the Diagnostic Medical Sonography Program.

F. Satisfy healthcare agency requirements prior to clinical practice.

G. Submit a completed Program application by the stated deadline. For more information contact the Diagnostic Medical Sonography Program at 956-872-3049 or access the information online at http://nah.southtexascollege.edu/rad.

**Competitive Entry Selection Process**

Admission to the Diagnostic Medical Sonography Program is based on a point system. Selection of students is made one time a year. The deadline for applying to the Diagnostic Medical Sonography Program is the first Friday in September of the current year. For specific information on candidate selection process, please contact the Diagnostic Medical Sonography Program at 956-872-3049 or access the information online at http://nah.southtexascollege.edu/sono.

**Graduation Requirements**

To earn an Advanced Technical Certificate in the Diagnostic Medical Sonography Program, students must meet college graduation requirements and complete all coursework as prescribed in the degree plan with a minimum grade of "C" in didactic courses and minimum grade of "B" in the clinical/practicum courses. Students must also pass the written and practicum examinations as required of the final AdvancedUltrasound and Review course.

**Advisory Committee Members**

Joe Martinez, BS, RT(R), Director of Radiology, Rio Grande Regional Hospital
Kathleen Levy, ARRT(R)(N), Director of Radiology, McAllen Medical Center and McAllen Heart Hospital
Robert D. Gonzalez, RT(R), RDMS, RVT, Radiology Coordinator, McAllen Heart Hospital
Juan Aguirre, RT(R), Staff Technologist, McAllen Medical Center
Ralph Martinez, RT(R), BSN, Director of Radiology, Mission Regional Medical Center
Juan Medina, RT(R), Supervisor of Radiology, Mission Regional Medical Center
Laurence Weinreich, MA, CRA, RT(R), Director of Radiology, Edinburg Regional Medical Center and Children's Hospital
Sandra Yanez, RT(R), Assistant Director of Radiology, Doctors Hospital at Renaissance
Maribel Tharp, RT(R)(M), Radiology Manager, Doctors Hospital at Renaissance

- Radiologic Technology Associate of Applied Science (p. 2)
- Diagnostic Medical Sonography Advanced Technical Certificate (p. 3)

**Radiologic Technology Associate of Applied Science**

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Pre-requisite Semester</td>
<td></td>
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<tr>
<td>RADR 1309</td>
<td>Introduction to Radiography and Patient Care</td>
<td>3</td>
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<tr>
<td>BIOL 2401</td>
<td>Anatomy and Physiology</td>
<td>4</td>
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<tr>
<td>Math Elective</td>
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<td>3</td>
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<tr>
<td>ENGL 1301</td>
<td>Composition I</td>
<td>3</td>
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Third Semester
RADR 1267 Practicum II 2

Fourth Semester
RADR 2431 Advanced Radiographic Procedures 4
RADR 2309 Radiographic Imaging Equipment 3
RADR 2366 Practicum III 3

Fifth Semester
Humanities Elective 1 3
RADR 2117 Radiographic Pathology 1
RADR 2213 Radiation Biology and Protection 2
RADR 2367 Practicum IV 3

Sixth Semester
RADR 2235 CAPSTONE: Radiologic Technology Seminar 2
RADR 2166 Capstone: Practicum V 1

Total Credit Hours 60

1 Identifies courses to fulfill minimum 15 credit hour General Education requirement

Diagnostic Medical Sonography
Advanced Technical Certificate
Gainful Employment (https://www.southtexascollege.edu/ge/Diagnostic-Medical-Sonography/index.html)

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Course Title Credit Hours
First Semester
DMSO 1210 Introduction to Sonography 2
DMSO 1260 Clinical 2
DMSO 1302 Basic Ultrasound Physics 3
DMSO 1341 Abdominopelvic Sonography 3
DMSO 2305 Sonography of Obstetrics/Gynecology 3

Credit Hours 13

Second Semester
DMSO 1166 Practicum I 1
DMSO 2351 Doppler Physics 3

Credit Hours 4

Third Semester
DMSO 1167 Practicum II 1
DMSO 2353 Sonography of Superficial Structures 3

Credit Hours 4

Fourth Semester
DMSO 2366 Practicum III 3
DMSO 1342 Intermediate Ultrasound Physics 3
DMSO 2342 Sonography of High Risk Obstetrics 3
DMSO 2441 Sonography of Abdominopelvic Pathology 4

Credit Hours 13

Fifth Semester
DMSO 2367 Practicum IV 3
DMSO 2230 Advanced Ultrasound and Review 2

Credit Hours 5

Total Credit Hours 39