Sacramento Ultrasound Institute

Info Packet

Admissions: (916) 484-7666 admissions@sui.edu

For more information about the MRI Technology program, please visit www.sui.edu

AAS Degree in MRI Technology Session: 2016/17

WWW.SUI.EDU
Accreditation
Sacramento Ultrasound Institute

Accreditation is the recognition that an institution maintains standards requisite for its graduates to gain admission to other reputable institutions of higher learning or to achieve credentials for professional practice. The goal of accreditation is to ensure that education provided by institutions of higher education meets acceptable levels of quality.

**Institutional Accreditation**
Sacramento Ultrasound Institute is institutionally accredited by the Accrediting Bureau of Health Education Schools (ABHES)

**Programmatic Accreditation**
The Associate of Applied Science in MRI Technology at Sacramento Ultrasound Institute is not programatically accredited.

**ARRT Recognized**
The Associate of Applied Science in MRI Technology is recognized by American Registry of Radiologic Technologists (ARRT)

There are two basic types of educational accreditation, one identified as “institutional” and one referred to as “specialized” or “programmatic.” Institutional accreditation normally applies to an entire institution, indicating that each of an institution’s parts is contributing to the achievement of the institution’s objectives, although not necessarily all at the same level of quality.

Specialized accreditation normally applies to the evaluation of programs, departments, or schools which usually are parts of a total collegiate or other postsecondary institution. The unit accredited may be as large as a college or school within a university or as small as a curriculum within a discipline. Most of the specialized accrediting agencies review units within a postsecondary institution which is accredited by one of the regional accrediting commissions. However, certain of the specialized accrediting agencies accredit professional schools and other specialized or vocational or other postsecondary institutions which are free-standing in their operations. Thus, a “specialized” or “programmatic” accrediting agency may also function in the capacity of an “institutional” accrediting agency. In addition, a number of specialized accrediting agencies accredit educational programs within non-educational settings, such as hospitals.

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"Can the institutional accreditation system be used to determine whether my credit hours will transfer or what courses will satisfy my professional license renewal?"

Accreditation does not provide automatic acceptance by an institution of credit earned at another institution, nor does it give assurance of acceptance of graduates by employers. Acceptance of students or graduates is always the prerogative of the receiving institution or employer.

For these reasons, besides ascertaining the accredited status of a school or program, students should take additional measures to determine, prior to enrollment, whether or not their educational goals will be met through attendance at a particular institution. These measures should include inquiries to institutions to which transfer might be desired or to prospective employers and, if possible, personal inspection of the institution at which enrollment is contemplated.


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2233 Watt Ave #150 Sacramento, CA 95825  (916) 484-7666
About The Program
Sacramento Ultrasound Institute

Program Description
This is a 18 month Magnetic Resonance Imaging (MRI) Technologist Training Program which also includes 1000 hours of mandatory MRI Clinical Internship (classroom and clinical internship combined may take in excess of 18 months to complete). This program is developed to prepare students to operate MRI Equipment safely and competently to produce diagnostically acceptable images. Having completed this program the student will have sufficient knowledge and skills to work in an MRI center or Hospital’s MRI Dept. as an MRI technologist. This program provides sufficient theory and practical knowledge so as to enable the students to challenge the National Certification Examination in MRI modality. Upon successful completion of both Didactic and Clinical parts of the Program, the School will conduct a comprehensive exam and those who obtain a minimum of 70% score will be awarded a Certificate of Completion from the School. It will be the responsibility of the School to provide Clinical Internship opportunities to the MRI students at Clinics and/or MRI Department in Hospitals. The school reserves the right to assign the student to any available Clinical Site. Clinical Internship sites are located according to affiliations and relationships formed between Sacramento Ultrasound Institute and community and Sacramento companies/organizations/facilities. And the clinical internship sites may be in excess of a 100 mile radius of Sacramento Ultrasound Institute’s campus.

Learning Outcomes
Below are the learning outcomes that the MRI student must master in keeping with the program’s mission and goals. These outcomes serve to guide the student toward fulfilling the program goals. They form the basis for measuring what the student has accomplished upon completion of the program. Upon completion of this Program, the graduate will be able to:
• To provide compassionate and responsible patient care during diagnostic procedures
• Use oral and written communication with patients, peers, and medical staff
• Produce diagnostic MRI Images safely and competently in the context of all MRI procedures
• Utilize critical thinking, problem solving, and decision-making skills in performing medical imaging procedures
• Successfully pass the completion examination given by the School and certification examination given by the MRI National Registry
• Possess the clinical skills necessary for professional practice as an entry-level MRI Technologist
This program has been designed to meet the growing demand of Magnetic Resonance Imaging (MRI) Technologists in the field of Diagnostic Medicine. According to the present job market analysis, a large number of qualified individuals are required in the Medical Technologist field. The objectives of this program are to provide efficient and well trained MRI Technologist to satisfy the present day job market needs.

Length of Program
One year of course work and 1000 hours of clinical internship (classroom and clinical internship combined may take in excess of 18 months to complete).

Admissions Requirements
- High School Diploma

Curriculum Structure

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<th>Code</th>
<th>Course Title</th>
<th>Lecture</th>
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<th>Credits</th>
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<td>MRI101</td>
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<td>MRI103</td>
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<td>CLN100</td>
<td>MRI Clinical Externship</td>
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<td>500</td>
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<td>CLN101</td>
<td>MRI Clinical Externship</td>
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<td>Total For Program</td>
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<td>1000</td>
<td>1675</td>
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</table>
Course Descriptions
Sacramento Ultrasound Institute

**Anatomy & Physiology I / 5 Credits**
Students will be introduced to medical terminology, the anatomy and physiology of the digestive system, urinary system, female reproductive system, male reproductive system and the nervous system. This course is designed to assist student in the knowledge of the human body, how each system interacts and relates with each other. The course assists in developing the skills sought after in an MRI technologist to produce a well imaged body part.

**Anatomy & Physiology II / 5 Credits**
Students will be introduced to the cardiovascular system, respiratory system, the blood system, lymphatic system, musculoskeletal skin, the eye and ear, and the endocrine system. This course is designed to assist student in the knowledge of the human body, how each system interacts and relates with each other. The course assists in developing the skills sought after in an MRI technologist to produce a well imaged body part.

**Applied Psychology / 3 Credits**
Applied Psychology in Health Care applies the basics of psychology to provide caregivers with an understanding of the mental health of patients and themselves. This course prepares health care workers to effectively communicate and provide superior patient care.

**Math for Health Sciences / 3 Credits**
This course includes basic math review and deeper concepts, including algebra and geometry, linear equations and graphing, dilutions, solutions, and concentrations, dosage calculations and more. This course is directed towards the health sciences.

**College Level Reading / 3 Credits**
This course works to build the skills needed to become stronger readers. This course will show students how thinking skills used while watching television or movies can easily transfer to reading. There will be extensive vocabulary coverage, critical thinking practice throughout, and textbook readings in every chapter to help student’s master college reading.
Course Descriptions
Sacramento Ultrasound Institute

MRI Cross Sectional / 6.5 Credits
This course is the study of cross sectional normal and abnormal anatomy, known as pathology. The course will demonstrate and educate the student on the correlation of the study of cross sectional anatomy and MRI. MRI allows a detailed view into the human body with multiple orthogonal planes (axial, sagittal, coronal and oblique planes). Looking at the human anatomy in multiple orthogonal planes with MRI allows an evaluation of soft tissue, vascular structures, bony structures, organs and muscles. This course will familiarize the student with the common Pathologies found in Magnetic Resonance Imaging and their appearance with various imaging protocols. His content will be encompassing all of the common Anatomic Regions evaluated in the Anatomy Component.

MRI Physics & Instrum. / 6.5 Credit
In this course, students are introduced to the physical principles of Magnetic Resonance Imaging (MRI), including the basic physics of MRI. Topics include magnetism, MRI signal production, image contrast, spatial localization including k-space filling, an introduction to pulse sequence diagrams, maximum intensity projection image formation, diffusion and perfusion, fundamentals of flow including types of flow, flow motion correction, vascular imaging, imaging parameters and tradeoff, artifacts and compensations.

MRI Externship I / 11 Credits
Students will be introduced to the clinical practice of MRI with emphasis on basic magnetic resonance (MR) scan procedures, MRI safety and patient care. This course requires a 20 week, 40-hours/week clinical rotation under the supervision of a registered MRI technologist.

MRI Externship II / 11 Credits
Students will be introduced to the clinical practice of MRI with emphasis on basic magnetic resonance (MR) scan procedures, MRI safety and patient care. This course requires a 20 week, 40-hours/week clinical rotation under the supervision of a registered MRI technologist.

MRI Imaging & Proced./ 6.5 Credits
In this course, students learn the Magnetic Resonance Imaging (MRI) scanning procedures for the central nervous, musculoskeletal chest, abdomen, and pelvis systems. Topics include scanning pulse sequences, positioning and patient care, sectional anatomy, and pathology. Anatomical structures and the plane that best demonstrates anatomy will be discussed as well as signal characteristics of normal and abnormal structures.

MRI Imaging & Proced./ 6.5 Credits
In this course, students learn the Magnetic Resonance Imaging (MRI) scanning procedures for the central nervous, musculoskeletal chest, abdomen, and pelvis systems. Topics include scanning pulse sequences, positioning and patient care, sectional anatomy, and pathology. Anatomical structures and the plane that best demonstrates anatomy will be discussed as well as signal characteristics of normal and abnormal structures.

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MRI Patient Care / 5 Credits
This course focuses on the student’s ability to provide basic and appropriate patient care in the MRI environment. The course is broken into key components: patient care & management, CPR/BLS certification, and pharmacology and drug administration procedures. Emphasis is placed on effective communication skills, patient safety, medical ethics, and patient’s rights, assessment, proper body mechanics, infection control, emergency medicine in MRI and being aware of the patient’s individual needs.
Financial Information
Sacramento Ultrasound Institute

Financial Aid
Federal Financial aid is not available for the AAS MRI Technology program. There may be other options available for prospective students.

Veterans Educational Benefits
SUI is authorized for the training of Veterans. This approval will enable Veterans and their eligible dependents/spouses to utilize their GI Bill® benefits/Vocational Rehabilitation Benefits to train to become MRI Technologists. GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government Web site at https://www.benefits.va.gov/gibill.

Private Loans
Students may apply for a private loan with any bank or lender of their choice. Private loan lenders may charge interest at their current disclosed rates. SUI does not have preferred lenders.

Workforce Investment Act
The Work Force Investment Act (WIA) is a federally funded program that offers financial assistance to individuals who wish to obtain vocational training and have unmet needs after applying for the tuition fee waiver and financial aid.

Self Pay
Students pay a down payment and equal monthly instalments directly to the SUI. Self-pay students are not charged interest or finance charges.

Program Fees

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<td>Registration Fee</td>
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<td>STRF Fee</td>
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<td>Textbooks</td>
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<td>Equipment &amp; Resources</td>
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