



**SUI**  
Bringing the future of healthcare

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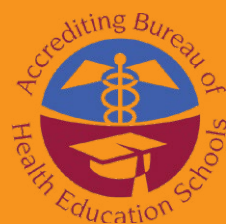
# Sacramento Ultrasound Institute Info Packet

Admissions: (916) 877-7977      [admissions@sui.edu](mailto:admissions@sui.edu)

For more information about the Diagnostic Medical Sonography program, please visit [www.sui.edu](http://www.sui.edu)



Certificate in  
**Diagnostic  
Medical  
Sonography  
Advanced**  
Session:  
**2018**



# Accreditation & Approvals

Bringing The Future of Healthcare

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)



## ARDMS Eligibility

Graduates from the Diagnostic Medical Sonography Program (70 Week) are eligible for ARDMS registry under prerequisite 3A.



## Programmatic Accreditation

The DMSA program is recognized by the American Registry of Radiologic Technologists (ARRT) and is pending accreditation by CAAHEP.

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.

## “ 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.

<http://ope.ed.gov/accreditation/FAQAccr.aspx>

# About SUI

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In 1983, Sierra Hi Tech opened to train men and women in the Carmichael area in Drafting, CADD, Electronic Repair, Assembly and Computer related fields. In 2002, the administration incorporated and changed the name to College of Career Training. Medical practice programs and trade industry practices were offered to upgrade the education to the 21st Century opportunities of employment with Medical Claims / Billing, Physical Therapy Aide, Diagnostic Medical Sonography and Health and Environmental programs. In 2009 CCT shifted focus of programs into offering healthcare training while maintaining its core structure and teaching philosophies. In 2011, College of Career Training changed its name to the Sacramento Ultrasound Institute to better reflect its new focus.

## SUI Mission Statement

In keeping with the mission of Sacramento Ultrasound Institute, the Sonography Programs are committed to providing students with a well-rounded education in the General Learning (Abdominal and Ob/Gyn) and Vascular Technology with optional Echocardiography Concentration.

**2016/17 Graduation Rate**

90%

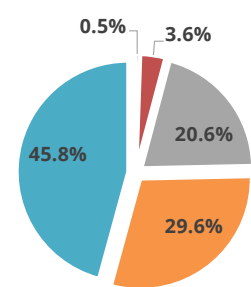
**2016/17 Placement Rate**

86%

\*Data seen above is based on students graduating between the dates of 7/1/16 to 6/30/17. More information about this data is available upon request.

## Overall Student Satisfaction (2016/17)

■ Below Fair  
■ Below  
■ Neutral  
■ Exceeds  
■ Far Exceeds



## Program Goals

The goals of the SUI Sonography Programs respond to the expectations of the communities of interest served by the Programs: students, graduates, faculty, employers (institutions and physicians), patients, Sacramento Ultrasound Institute, and the profession of Sonography.

Achievement of these goals is assessed through annual Program Evaluation Plan (graduate and employer surveys, and employment rates) which is reviewed relative to the ABHES Guidelines. The Sonography faculty and Advisory Committees review outcome reports annually and make recommendations for changes to the curricula if outcomes do not meet benchmark levels. On-going assessment of course content and structure is performed by the Sonography faculty through the use of end-of-course evaluations and SUI faculty evaluations.

The Sonography Programs include instruction in sonographic practices and principles and basic to advanced medical imaging skills intended to prepare the student for employment in the field of diagnostic medical ultrasound.

The DMS Advanced curriculum was designed according to:

- NEC Specialty Curricula- Abdomen and Superficial Structures
- NEC Specialty Curricula- Vascular Technology



# Diagnostic Medical Sonography

- » Program Hours: 1680 Hours
- » Program Length: 72 Weeks
- » Credits: 64 Semester Credits
- » Recognition: ARRT Recognized
- » Instruction: Residential
- » Credential Awarded: Diploma

## Program Overview

The student receives one thousand four hundred ninety five (1495) hours of didactic and laboratory instruction and eight hundred (800) hours of clinical education allowing them to apply the lecture topics to practical use. The curriculum is designed to prepare competent entry-level general sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. The program is designed to facilitate the development of each student to meet the needs of the growing healthcare industry. In addition, the program prepares students to take their ARDMS examinations. Upon completion of the program, a diploma is awarded. Normal completion time for this program is 96 weeks excluding any holiday and vacation times.

## Admissions Requirements

- a) Comply with the General Admissions Requirements for All Programs. and
- b) Bachelor's Degree in any field

## Curriculum

Code	Course Title	Lecture	Lab	Clinical	Total	Crediturs
SUI001	Anatomy & Physiology	120	0	0	120	8
SUI003	Foundations of Sonography	24	0	0	24	1.5
DMS100	Abdomen & Small Parts	100	110	0	210	10
DMS200	Ultrasound Physics	120	0	0	120	8
DMS400	Arterial / Vascular	100	116	0	216	10
DMS500	Gynecology / Obstetrics	100	110	0	210	10
DMS600	Clinical Experience 1	0	0	285	285	6
DMS601	Clinical Experience 2	0	0	248	248	5.5
DMS602	Clinical Experience 3	0	0	247	247	5
Total For Program		564	336	780	1680	64

# Course Descriptions

## **Anatomy & Physiology** / 8 Credits

This course is designed to provide students with knowledge of the human body and to develop an understanding of the functions of different systems. Students will be introduced to the anatomy and physiology of the gastrointestinal tract, Urinary, Endocrine, Male Reproduction, and the Female Breast including techniques for obtaining ultrasound images. In addition, the Senses, Nervous, Musculoskeletal, and Respiratory Systems will be reviewed. This course is designed to assist the 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 ultrasound technologist to produce a well-imaged body part. Medical terminology related to each body system is also included.

## **Ultrasound Physics** / 8 Credits

This course will introduce fundamental sonographic theory including terminology, equipment, basic transducer construction and function, introduction to Doppler, and adjusting system controls for image acquisition. This course will cover beginning concepts in sonographic physics including pulsed sound parameters, intensities, and interactions of sound with media, range equation, transducers, sound beams, and axial and lateral resolution, calculate the axial and lateral resolutions for a particular system.

## **Obstetrics / Gynecology** / 10 Credits

The Sonographic recognition and interpretations for Gynecology, Embryology, and Obstetrics. The development of the fetus and genetic defects and anomalies and abnormality of the fetus. The normal versus abnormal throughout all terms of the pregnancy are presented at this time.

## **Foundations of Sonography** / 1.5 Credits

This course will provide students with a foundation of how Sonography came to be. It will emphasize on the history of Sonography relating to the technologies that lead to the creation of the ultrasound system.

## **Abdomen & Small Parts** / 10 Credits

In depth studies of Liver, Gallbladder, and Biliary System, Pancreas, Abdominal Aorta, Inferior Vena Cava, Portal Venous System, Urinary System with emphasis on the Kidneys. The Lymphatic System is also studied at this time, in relationship to the Spleen. The Thyroid, Breast, Male Pelvis and its reproductive system, Scrotum and Prostate with sonographic recognition of the normal versus abnormal. Medical and Sonography terminology is covered.

## **Arterial/Vascular** / 23 Credits

Scanning protocols and practice in ultrasound examination of the vascular structure. Medical & Sonography vocabulary, Anatomy, Pathology, and Physiology of the Vascular and Arterial system. An Introduction to Vascular Ultrasound with Doppler and Color Flow. The course teaches lower extremities Vascular, Arterial, and Carotid Arteries. Also, Medical and Sonography terminology.

## **Clinical Experience 1** / 6 Credits

This clinical course specifically introduces scanning techniques, scan protocols and procedures within the laboratory setting and an orientation to the clinical setting. Topics of this course include sonographer/patient interaction, application of ultrasound instrumentation, ergonomics, and exam protocols for the aorta, IVC, liver, biliary system, pancreas, spleen, urinary system, potential abdominal spaces, female pelvis, and superficial structures.

## **Clinical Experience 2** / 5.5 Credits

This clinical course specifically introduces scanning techniques, scan protocols and procedures within the laboratory setting and an orientation to the clinical setting. Topics of this course include sonographer/patient interaction, application of ultrasound instrumentation, ergonomics, and exam protocols for the aorta, IVC, liver, biliary system, pancreas, spleen, urinary system, potential abdominal spaces, female pelvis, and superficial structures.

## **Clinical Experience 3** / 5 Credits

This clinical course specifically introduces scanning techniques, scan protocols and procedures within the laboratory setting and an orientation to the clinical setting. Topics of this course include sonographer/patient interaction, application of ultrasound instrumentation, ergonomics, and exam protocols for the aorta, IVC, liver, biliary system, pancreas, spleen, urinary system, potential abdominal spaces, female pelvis, and superficial structures.



# DMS Info Packet 2018



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