

## ***ULTRASOUND TECHNOLOGY PROGRAM***

Ultrasound Technology is a diagnostic procedure that uses high frequency sound waves to create detailed images of the human body. Ultrasound Technology use state-of-the-art technology to scan patients and obtain images of the abdomen, heart blood vessels, and fetus to aid in the diagnosis of a disease. Ultrasound Technology is a profession that requires a high degree of independence, judgment, knowledge, maturity, and stamina. The Ultrasound Technology is a skilled person qualified academically and clinically to perform ultrasound exams while working in close teamwork with a qualified physician. To create an ultrasound image, the Ultrasound Technician must have an indepth knowledge of physics, disease processes, human anatomy, and ultrasound techniques. Physicians depend on the ultrasound technician knowledge to evaluate normal and abnormal body parts. To work successfully, the ultrasound technician must be a sensitive, caring individual dedicated to helping others. The role of ultrasound in medicine is continually growing. New applications and imaging equipment are in a constant state of development. Its continued growth and development is dependent on highly qualified and well-trained ultrasound technologists. Starting salaries vary greatly from one location to the next. Experience, position title, formal education, specializations, and time on the job tend to increase the Ultrasound Technicians income.

### ***Program Description***

Our Ultrasound Technology program prepares our students for entry-level employment after their graduation as a Diagnostic Medical Sonographer with specialization in general sonography (Abdominal and Small Parts, Obstetrics and Gynecology and Vascular Sonography). Graduates will be qualified to work in hospitals, imaging centers, physicians' offices, or clinics.

Ultrasound Technology in other states as well as in California may also be called: Diagnostic Medical Sonographers, Registered Diagnostic Sonographers, Sonographers, and Ultrasound Technology.

<b>Ultrasound Technology Program Diploma Completion Requirements</b>		<b>Total Clock Hours</b>				<b>Quarter credits</b>
<b>Course Numbers</b>	<b>Course Titles</b>	<b>Lecture Hrs</b>	<b>Lab Hrs</b>	<b>Clinical Hrs</b>	<b>Total Hrs</b>	
UT 50	Introduction to Sonography: (HIPPA, Ethics, etc.)	10			10	1.0
UT 30	Anatomy and Physiology	56			56	5.6
UT 20	Medical Terminology	32			32	3.2
UT 120	Physics I - II	72			72	7.2
UT 200	Abdomen & Small Parts	144	144		288	21.6
UT 300	OB/GYN	144	144		288	21.6
UT 400	Vascular	64	64		128	9.6
UT 100	Special assignment	106			106	10.6

<b>CLINICAL EXTERNSHIP START AFTER COMPLETION OF DIDACTIC AND LABORATORY PORTION OF THE PROGRAM</b>						
UT 500	Clinical 1			100	100	3.3
UT 501	Clinical 2			150	150	5.0
UT 502	Clinical 3			690	690	23.0
<b>TOTAL Diploma Program Requirements</b>		<b>628</b>	<b>352</b>	<b>940</b>	<b>1920</b>	<b>111.7</b>

***Licensure Requirements:***

UPON COMPLETION OF THE PROGRAM STUDENTS ELIGIBLE TO TAKE THE NATIONAL REGISTRY EXAM (ARDMS) **ADDITIONAL CLINICAL WORK EXPERIENSE MAY BE REQUIREMENT. No license in the State of CA is required.**

***Program Schedule:***

Program is 20-24 month in length with the following schedule:

**Module I:**

Morning classes: Monday – Thursday 9:00AM – 1:00 PM  
 Evening classes: Monday – Thursday 6:00 PM – 10:00 PM

**Module II:**

Morning classes: Monday – Thursday 9:00AM – 1:00 PM  
 Evening classes: Monday – Thursday 6:00 PM – 10:00 PM

**Module III:** Clinical Externship (CE): Minimum requirement 24 hours a week.

Each student must complete 940 hours of CE in order to acquire hands-on experience. No evenings or weekends for the CE available. All CE is completed in the regular business hours for the medical facility. CE should not exceed 8 calendar months.

Employment requirements and opportunities as a Diagnostic Medical Sonographer have become more demanding with more emphasis to have the student graduate obtain and pass the ARDMS – Sonography Principles and Instrumentation (SPI) exam. All students are required to sit for and pass the SPI examination before they will be placed in a clinical externship. Students will be allowed to begin their externship once they show proof that they took the SPI exam. Students are encouraged to study and prepare to pass this test.

***Admission Requirements:***

To be considered for acceptance into the program, the applicant must meet the following criteria:

1. Student must have graduated from high school, or earned a GED and be at least 18 years of age.

2. Student must pay all applicable fees, as per the current published fee schedule prior to the issuance of an enrollment contract or make other arrangements acceptable to the school.
3. Student must complete Wonderlic Scholastic Level Exam, with a score of at least 19
4. ESL test is required for non-native speakers.

According to the U.S Bureau of Labor Statistics, employment of medical personnel is expected to increase by about 18% through 2018 - that's faster than the average for all occupations. As the population continues to age, the demand for diagnostic imaging will increase. Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook: [www.bls.gov](http://www.bls.gov)

Employment of diagnostic medical sonographers is projected to grow 46 percent from 2012 to 2022, much faster than the average for all occupations. Employment of cardiovascular technologists and technicians, including vascular technologists, is projected to grow 30 percent from 2012 to 2022, much faster than the average for all occupations.

### **Job Prospects**

Job opportunities are favorable. In addition to job openings from growth, some openings will arise from the need to replace sonographers who retire or leave the occupation permanently. However, job opportunities will vary by geographic area. Sonographers willing to relocate will have the best job opportunities. Sonographers with multiple specialties or multiple credentials also will have good prospects.

Hospitals will remain the principal employer of Ultrasound Technology. However, employment is expected to grow more rapidly in offices of physicians and in medical and diagnostic laboratories, including diagnostic imaging centers. Health facilities such as these are expected to grow very rapidly due to the strong shift toward outpatient care, encouraged by third-party payers and made possible by technological advances that permit more procedures to be performed outside the hospital.