

# CYPRESS COLLEGE

## DIAGNOSTIC MEDICAL SONOGRAPHY PROGRAM

### **FALL SEMESTER (1)**

DMS 172 Sonography Externship 2 days of training/week	5 units (8 hrs./day, Monday/Wednesday)
DMS 170 Sonography Physics	3.5 units (Friday, 8 am-11:35 am)
DMS 175 Abdomen Scanning	4 units (Friday, 12:45-5:50 pm)
**RADT 262 Cross Sectional Imaging (1st 7 weeks)	1 units (Tues. night, 1st seven weeks of semester, 6-8 pm)
**HS 165 Ethics (2nd 9 weeks)	1.5 units (Tues. night, 2nd nine weeks of semester, 6-8 pm)
**May be taken prior to program	

### **SPRING SEMESTER (2)**

DMS 186 OB/GYN Scanning	4 units (Friday, 8 am-12:15 pm)
DMS 176 Pathology & Small Parts	3 units (Friday, 1:30-4:40 pm)
DMS 207 Clinical Education I 24 hrs./week	8 units (M-W)

### **SUMMER SESSION**

DMS 188 Doppler Techniques 10 classes/3.0 hrs. each	1.5 units (Wednesday, 6:30-8:55pm)
DMS 217 Clinical Training 32 hrs./week/10 weeks	7 units (M-Th)

### **FALL SEMESTER (3)**

DMS 195 Carotid & Arterial Sonography	4 units (Wednesday, 5:20-10pm)
DMS 227 Clinical Education III	11 units (M-Th)

### **SPRING SEMESTER (4)**

DMS 210 Review Seminar	2.5 units (Wednesday, 6:30-9:30pm)
DMS 237 Clinical Education IV	11 units (M-Th)

Graduation in May!

Clinical Training sites are provided for the students with an affiliated hospital. Hospital assignments are determined by the program director and clinical coordinator. The student does not participate in determining in which hospital they will be training. Hospital training sites cover a large area; therefore, the student is required to have reliable transportation to any of the affiliated hospitals.

Shifts are usually 8 am to 4:30 pm (but may vary).

**Affiliated Hospitals:** Centinela (Inglewood), Kaiser Orange County (Anaheim), Kaiser Baldwin Park, Kaiser West L.A., Queen of the Valley (Covina), Intercommunity Hospital (Covina), Parkview Community (Riverside), Saddleback Memorial (Laguna Hills), UCLA (Los Angeles), UCLA (Santa Monica), City of Hope (Duarte), Whittier Community, Cedar Sinai (Los Angeles), UCI Women's Healthcare (Orange), St. Jude (Fullerton).

# DIAGNOSTIC MEDICAL SONOGRAPHY PROGRAM

## BASIC FEES

Please be prepared to meet the following expenses that will be incurred for the **entire** sonography program. These fees are approximate and may change as books or tuition fees change.

Registration Fee (for 4 semesters/1 summer session) 68 units x \$46.00/unit	\$3128.00
Textbooks (approximate)	628.00
Uniforms (approximate)	300.00
Graduation (optional)	50.00
Trajecsys cloud-based recordkeeping	150.00
Parking for entire program (\$40/semester and \$20/summer semester)	80.00
Physical (approximate)	100.00
Drug Screen (not required at all facilities)	75.00
Background Check	65.00
Health Fees (\$21/semester & \$18/summer)	102.00
Society of Diagnostic Medical Sonographers Membership (\$45/year)	90.00
UCI Cadaver Lab Field Trip	40.00
Personal Liability Insurance (yearly renewal \$30/year)	60.00
Student ID cards (\$2.50/semester)	10.00
ARDMS test fees:	
Physics/Instrumentation	200.00
Abdomen	250.00
OB/GYN	250.00
Vascular	250.00
<b><i>Sonography Training at Cypress College</i></b>	<b><i>Priceless</i></b>
Total (estimate)	\$5828.00*
Not including Personal Health Insurance	
	<b>*Fees are estimate!</b>

With Personal Health Insurance (approximately \$150 – \$250/month) \$11,273.00\*  
**\*Fees are an estimate**

## TRANSPORTATION

It will be your responsibility to provide your own transportation to and from the clinical education centers. Due to the diverse geographical locations of the sonography clinical sites, you will not be guaranteed a clinical site close to your home or work.

## CLINICAL ASSIGNMENTS

Sonography students will be assigned to a clinical facility by the Program Director and Clinical Coordinator.

# ACCREDITATION INFORMATION

## Regional, National, and Programmatic Accrediting Agencies

There are two main types of accreditation: institutional and programmatic. Institutional accreditation reviews and accredits an entire school, while programmatic accreditation reviews and accredits a single program or department within a school (such as engineering, physical therapy, or theater). Below is a detailed explanation of each type of accreditation.

**Regional accrediting organizations:** These offer the most prestigious and widely recognized form of accreditation in the United States, and set the highest and most strict standards. They review whole institutions, and they cover the entire country by subdividing it into six regions: Middle States, New England, North Central, Northwest, Southern, and Western. Colleges and universities reviewed by regional councils may be private or public, offering two-year or four-year degrees. They must, however, offer a well-rounded education with a wide spectrum of courses. For a school to be regionally accredited, between one-quarter and one-third of the curricula offered must be in general education (social sciences, humanities, and physical sciences). Schools prefer to seek national accreditation if the courses they offer cannot meet regional accreditation standards.

**National accrediting organizations:** These also review whole institutions, but tend to target more specialized colleges and universities, such as those offering vocational education, rather than the large liberal arts schools. These institutions may not be able to pass all of the requirements to gain regional accreditation, but provided they are successful in gaining national accreditation, they will still be highly regarded in the educational world.

**Faith-based organizations:** A subset of national accrediting agencies, faith-based organizations review schools that are organized around a religious faith, such as catholic universities. These schools cannot gain regional accreditation, because regional accrediting agencies insist on academic freedom for all students and faculty to engage with all ideas, which is not the case at a school with a religious affiliation.

**Private career organizations:** These organizations review and accredit private institutions that offer specific vocational training and degrees. It is important to note that many U.S. schools with regional accreditation will not honor credits or diplomas received from a school that has national accreditation only. This will be important for you if you ever need to transfer schools, or if you plan to seek higher education after your bachelor's degree. When you research online schools, always check their accreditation status, to make sure you choose a program that will suit your needs.

**Programmatic/Specialized Accreditation:** Programmatic accrediting organizations: These review individual programs or disciplines within an institution, but do not review that institution in its entirety. Programmatic accrediting bodies exist for over 100 subfields including programs in computer science, education, law, and medicine. Examples of these narrow-focus accrediting councils include The American Society for Landscape Architects, and the American Occupational Therapy Association.

In most cases, these specially accredited programs are offered by schools that have already been awarded institutional accreditation. Programmatic accreditation is thus a secondary guarantee that that specific program meets a national standard.

For some career fields (especially those related to health or safety, such as nursing, dentistry, or engineering) you must hold a degree from a department that has programmatic accreditation in order to practice and work in the field. Before enrolling in a program, check to see whether you will need this accreditation to practice in your chosen career field, and then choose a program accordingly. (taken from [www.accreditedonlinecollege.org](http://www.accreditedonlinecollege.org))

## **ACCREDITING ORGANIZATIONS**

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

### **Regional Institutional Accreditation Organizations**

**MSA**-Middle States Association of Colleges and Schools, Commission on Higher Education

**NWCCU**-Northwest Commission on Colleges and Universities

**NCA-HLC**-North Central Association of Colleges and Schools, Higher Learning Commission

**NEASC-CIHE**-New England Association of Schools and Colleges, Inc., Commission on Institutions of Higher Education

**NEASC-CTCI**-New England Association of Schools and colleges, Inc., Commission on Technical and Career Institutions

**SACS**-Southern Association of Colleges and Schools, Commission on Colleges

**WASCS-ACCJC**-Western Association of Schools and Colleges, Accreditation Commission for Community and Junior Colleges

**WASC-ACSCU**-Western Association of Schools and Colleges, Accreditation Commission for Senior Colleges and Universities

### **National Private Career Accreditation Organizations**

**ABHES**-Accreditation Bureau of Health Education Schools

**ACCET**-Accrediting Council for Continuing Education and Training

**ACCSC**-Accrediting Commission for Career Schools and Colleges

**ACICS**-Accrediting Council for Independent Colleges and Schools

**COE**-Council on Occupational Education

**DETC**-Distance Education and Training Council Accrediting Commission

**NACCAS**-National Accreditation Commission for Cosmetology Arts and Sciences

### **National Faith-based Organizations**

**ABHE**-Association for Biblical Higher Education

**AARTS**-Association of Advanced Rabbinical and Talmudic Schools

**ATS**-Commission on Accrediting of the Association of Theological Schools

**TRACS**-Transnational Association of Christian Colleges and Schools

## **CYPRESS COLLEGE**

### **DIAGNOSTIC MEDICAL SONOGRAPHY PROGRAM**

### **PROFESSIONAL RESPONSIBILITIES**

#### **Skills or abilities for success in this profession and this program:**

The Medical Sonography Program curriculum offers a foundation of training pertaining to extensive, direct patient contact that may include performing some invasive procedures. The sonographer must be able to interact compassionately and effectively with people who range from healthy to critically ill. The professional responsibilities include, but are not limited to:

1. Obtaining and recording an accurate patient history
2. Performing diagnostic procedures and obtaining diagnostic images
3. Analyzing technical information using critical thinking skills
4. Using independent judgment in recognizing the need to extend the scope of the procedure according to the diagnostic findings
5. Provide an oral and written summary of the technical findings to the physician for medical diagnosis
6. Provide quality patient care
7. Collaborate with physicians and other members of the health care team using above average command of English language, writing and language skills
8. Ability to accept and learn from constructive criticism from instructors and clinical coordinators.
9. Maturity to manage difficult situations and disgruntled patients, and to take responsibility for your own actions. Ability to accept direction and instruction, and acknowledge when incorrect/wrong. To ask for clarification.
10. Ethical and honest in all areas of life, professionalism, and good work ethic.

#### **PHYSICAL REQUIREMENTS**

The Medical Sonography student must: have sufficient strength, motor coordination, manual dexterity, and mental or intellectual capacity and sensory function to be able to:

1. Transport, move, or transfer patients from a wheelchair or gurney to the sonography table or to a patient bed.
2. Move, adjust, and manipulate a variety of ultrasound equipment (including the physical transportation of portable ultrasound machines) in order to arrange the equipment and align it properly with respect to the patient according to the established procedure and standards of speed and accuracy.
3. Maneuver well enough to physically protect oneself from possible injury caused by an emotionally disturbed or developmentally disabled patient.
4. Respond rapidly to situations involving the health and safety of patients, providing physical and emotional support to the patient during a sonographic procedure which may require basic first aid and emergency care in the absence or until the physician arrives.
5. Handle stressful situations related to technical and procedural standards and patient care situations.
6. Hear well enough (average of 30 decibels for both ears) to respond to directions or calls for help from individuals remote from the location of the student.
7. Communicate verbally in an effective manner in order to explain and direct patients as it relates to their examination.
8. Calculate and select appropriate sonography image parameters according to the individual needs of the patient and the requirements of the procedure with speed and accuracy.
9. View and evaluate the recorded images for the purposes of identifying proper patient position, accurate procedural sequencing, proper sonographic density and other established technical qualities.
10. Have the mental capacity above normal and stable- free of stress related health concerns (i.e. migraines, substance abuse, depression)
11. Physical stamina- ability to stand for 8 hours per day not including breaks.