

DIAGNOSTIC MEDICAL SONOGRAPHY

San Jacinto Campus
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www.msjc.edu/nursingandalliedhealth

Degree(s)

Transfer:
None

Non-Transfer:
A.S. in Diagnostic Medical Sonography^{16824 AS.DMS}
(with General Education Requirements Option A)

Certificate(s)
None

Employment Concentration Certificate(s)
None

ADMISSION INFORMATION

The following must be met prior to the application deadlines:

1. Admission to Mt. San Jacinto College, completion of orientation, optional advisement
2. Proof of High School Diploma or GED, California Proficiency Exam or College Degree
3. Submission of Official Transcripts from all Colleges and/or Universities attended to Enrollment Services
4. Attend Information Workshop or view workshop presentation on website
5. A minimum cumulative GPA of at least 2.5 on a 4.0 college scale and a grade of “C” or better in the required pre-requisite courses.
6. Admission will be offered to students with a complete application and rank the highest on the Multi-Criteria Selection process.

PROGRAM DESCRIPTION

The Diagnostic Medical Sonography program is a non-transfer AS degree program, consisting of a cohort group completing 4 semesters + 1 summer semester which includes a 12 month clinical internship. This program is competitive in nature due to the greater number of applicants as compared to the number of available clinical internships. This degree program provides an opportunity for students to be educated and trained in the healthcare career of Diagnostic Medical Sonography. The objective of the program is to graduate students who are competent and confident in providing excellent patient care in the field of sonography.

The goal of our DMS program is to prepare competent entry-

level sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. Students will demonstrate a high competency in anatomy and pathology, as seen on the ultrasound exam. Students will be evaluated on didactic learning in Ultrasound Physics and Instrumentation, hands on scanning skills, communication skills, patient care and critical thinking ability.

Students will practice ultrasound scanning skills with ultrasound equipment in the campus lab. Those skills will be applied and enhanced in an affiliated medical center by training on the job with a licensed sonographer scanning patients. The DMS program prepares the student to work in an ultrasound department performing abdomen, superficial structures (thyroid, breast and testicular), gynecology, and obstetric ultrasound exams. Additional vascular didactic and lab training is included in program curriculum, although our program has not pursued vascular accreditation at this time.

The didactic education will prepare the student for taking the national exams of the American Registry of Diagnostic Medical Sonography (ARDMS). These exams include Sonography Physics and Instrumentation (SPI), Abdominal (ABD) and Obstetrics and Gynecology (OB-GYN)

ACCREDITATION STATUS

The DMS program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) and by the Joint Review Commission for Diagnostic Medical Sonography (JRC-DMS). This achievement places MSJC’s DMS program among the top programs in the United States. Accreditation increases opportunities for student clinical training, strengthens the student learning process, and increases opportunities for student employment after graduation. Students enrolled in an accredited DMS program are eligible to take the ARDMS national board exams up to 60 days prior to graduation.

CAREER OPPORTUNITIES

All career opportunities listed are representative careers in each field. There are no guaranteed positions for students completing these programs. (See: www.onetonline.org)

Non-Transfer A.S. Degree
Diagnostic Medical Sonographer



MULTI-CRITERIA SELECTION PROCESS

CRITERIA	MAXIMUM POINTS FOR EACH CATEGORY	POINT DISTRIBUTION AND EXPLANATION
<p style="text-align: center;">1.</p> <p>PREVIOUS ACADEMIC DEGREES, DIPLOMA = AA/AS OR BA/BS OR HIGHER</p>	10	<p>POINTS FOR THIS CRITERIA ARE GIVEN FOR ANY PRIOR DEGREES OR MULTIPLE DEGREES.</p> <p>SCORE WILL EITHER BE 10 POINTS OR 0 POINTS- MULTIPLE # OF DEGREES DO NOT ADD POINTS</p>
<p style="text-align: center;">2.</p> <p>LICENSED HEALTHCARE WORK OR CERTIFIED HEALTHCARE WORK</p> <p>*SEE ADJACENT COLUMN:</p> <p>LICENSE OR CERTIFICATE MUST BE DIRECT PATIENT CARE.</p> <p><i>VOLUNTEER HOURS DO NOT COUNT</i></p>	10	<p>POINTS FOR THIS CRITERIA ARE GIVEN FOR HEALTH CARE LICENSING, CERTIFICATE OR MULTIPLE LICENSES.</p> <p>LICENSES/CERTIFICATIONS MUST BE CURRENT WITH THE STATE OF CALIFORNIA.</p> <p>SCORE WILL BE EITHER 10 POINTS OR 0 POINTS- MULTIPLE # LICENSES/CERTIFICATIONS DO NOT ADD POINTS.</p> <p>*EXAMPLES OF APPROVED DIRECT PATIENT CARE, INCLUDING BUT NOT LIMITED TO: LICENSES/ CERTIFICATIONS:</p> <p>IMAGING TECHNOLOGIST (RT): X-RAY, MRI, CT, NUCLEAR MEDICINE, MAMMOGRAPHY, CNA, LVN, RN, MA, HHA, PARAMEDIC, EMERGENCY MEDICAL TECHNICIAN-EMT, RESPIRATORY THERAPIST, PHYSICAL THERAPIST, DENTAL HYGIENIST, PHLEBOTOMIST</p>
<p style="text-align: center;">3.</p> <p>GPA FROM PREREQUISITE COURSES</p> <p>MINIMUM GPA TO APPLY IS 2.5</p>	40	<p style="text-align: center;">3.9 – 4.0 = 40 POINTS 3.5 – 3.8 = 30 POINTS 3.0 – 3.4 = 20 POINTS 2.5 – 2.9 = 10 POINTS</p>
<p style="text-align: center;">4.</p> <p>COMPLETION OF ALL GENERAL EDUCATION UNITS</p>	5	<p>POINTS FOR THESE CRITERIA ARE GIVEN FOR COMPLETION OF ALL GENERAL EDUCATION REQUIREMENTS. (OPTION A)</p>
<p style="text-align: center;">5.</p> <p>APPROVED DIAGNOSTIC ASSESSMENT TOOL = TEST OF ESSENTIAL ACADEMIC SKILLS (TEAS)</p>	35	<p>POINTS FOR TEAS IS A MAXIMUM OF 35 POINTS.</p> <p>SCORE 90 TO 100% = 35 POINTS</p> <p>SCORE 82 TO 89% = 30 POINTS</p> <p>SCORE 74 TO 81% = 25 POINTS</p> <p>SCORE 70 TO 73% = 20 POINTS</p> <p>(THE HIGHEST SCORE ON THE TEAS WILL BE ACCEPTED, LIMIT OF 2 ATTEMPTS)</p>
TOTAL MAXIMUM POINTS	100	

TRANSFER PREPARATION

MSJC offers a range of course work to prepare students to transfer to four-year colleges and universities. Courses that fulfill major requirements for an associate degree in this program might not be the same as those required for transfer into the major at a four-year university. All four-year institutions prescribe their own standards for course evaluation and admissions. Prospective transfer students are advised to research careers, degrees and majors in the Career/Transfer Center, access www.assist.org, review the MSJC catalog and meet with a counselor to expedite their transfer plan.

LEARNING OUTCOMES

- Complete the American Registry of Diagnostic Medical Sonographers Physics and Instrumentation exam and one or more specialty exams of Abdomen and Obstetrics/Gynecology.
- Apply knowledge of proper use of ultrasound equipment and demonstrate image improvement through manipulating the instrumentation of the equipment.
- Document proper imaging of the abdomen, small parts, obstetrics and gynecology ultrasound exams.
- Use effective communication with patients, staff, and physicians.
- Show discretion with and implement HIPPA laws for all patients.
- Demonstrate professional and ethical behavior in the workplace.

DEGREE

Non-Transfer A.S. Degree

The 57 units list below plus all MSJC General Education Option A requirements are required to earn an Associate in Science degree in Diagnostic Medical Sonography. See counselor for recommended vocational and academic courses.

Program Prerequisites: 21 units

AH-105	Medical Sonography	3 units
ANAT-101	Human Anatomy & Physiology I	4 units
ANAT-102	Human Anatomy & Physiology II	4 units
COMM-103	Interpersonal Communication	3 units
or		
COMM-103H	Honors Interpersonal Communication	3 units
MATH-090	Elementary Algebra	4 units
(or higher)		
PHY-100	Conceptual Physics	3 units

DMS Program Courses (57 units)

Semester One: 10 units

DMS-100	Fundamentals of Diagnostic Medical Sonography	2 units
DMS-101	Pathophysiology	3 units
DMS-103	Patient Care Techniques for Sonographer	3 units
DMS-125	Ultrasound Physics and Instrumentation I	2 units

Semester Two: 13.5 units

DMS-102	Sonography Medical Ethics	3 units
DMS-104	Clinical Observation	2 units
DMS-110	Sectional Imaging	2 units
DMS-120	Abdomen Scanning	1.5 units
DMS-122	Ultrasound Pathology I	3 units
DMS-135	Ultrasound Physics and Instrumentation II	2 units

Summer: 5 units

DMS-114	Clinical Experience I	5 units
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Semester Three: 16.5 units

DMS-124	Clinical Experience II	10 units
DMS-130	Obstetric/Gynecology Scanning	1.5 units
DMS-132	Ultrasound Pathology II	3 units
DMS-140	Introduction to Vascular Scanning	2 units

Semester Four: 12 units

DMS-134	Ultrasound Seminar	2 units
DMS-136	Clinical Experience III	10 units

The sonography courses must be taken in a specific sequence, students must attain a minimum grade of "C" and a GPA of 2.5 or above in all required courses in order to obtain the degree.

