

## About This Program

The Diagnostic Medical Sonography (DMS) program can be completed in 75 weeks and prepares students to work as an entry-level diagnostic medical sonographer. Students will learn concepts of human anatomy, physiology, medical terminology, sonographic patient care, physical principles of ultrasonic waves, obstetrics, gynecology, vascular, abdominal, superficial, and small parts, as well as application of these hands-on skills. Training includes a balance of classroom and lab instruction, as well as an extern component which allows students experiential learning in a professional clinical environment. Students who successfully complete the Diagnostic Medical Sonography program are eligible to take the exams required to gain certification through the American Registry for Diagnostic Medical Sonography® (ARDMS).<sup>2</sup>

## Careers in Diagnostic Medical Sonography

Graduates will be prepared to work as an entry level diagnostic medical sonographer in a variety of settings such as a hospital, physician's office, or diagnostic center. These health technicians typically perform the following job duties:<sup>1</sup>

- Prepare patients for procedures by taking a patient's history and answering any questions about the procedure
- Clean, check, and maintain sonographic equipment
- Operate equipment to get diagnostic images of areas in the patient's body
- Provide sonogram and oral or written summary of technical findings to physician for use in medical diagnosis
- Record findings and keep track of patients' records

<sup>1</sup>Source: <https://www.onetonline.org/link/summary/29-2032.00>

## Knowledge and Skills:

Upon completion of the Diagnostic Medical Sonography program, graduates will be able to:

- Evaluate normal anatomy and physiology using proper medical terminology
- Exhibit appropriate patient care
- Demonstrate the utilization of basic principles of ultrasound, image acquisition, and evaluation and selection of representative images
- Perform abdomen, superficial structures, small parts, OB-GYN, and vascular ultrasound procedures and scanning techniques
- Determine pathologies, congenital anomalies, lab values, and differential diagnoses
- Relate and apply concepts of communication, reasoning, critical analysis, ethical behavior, and appropriate interpersonal interaction to situations in his or her career and personal life
- Demonstrate the social skills, professional appearance, attitudes, and behavior that employers expect of graduates

The program  
culminates in an  
Associate of  
Science Degree.



*Your path  
to better!*

<sup>2</sup>Carrington College prepares students to take appropriate certification and licensure exams related to their individual majors. The college does not guarantee students will successfully pass these exams or be certified or licensed as a result of completing the program.

Campus-Based: Bakersfield and Temecula

## Diagnostic Medical Sonography Degree Requirements

TECHNICAL AND GENERAL EDUCATION COURSES		LECTURE HOURS	LAB HOURS	CLINICAL HOURS	SEMESTER CREDIT HOURS
BIOL100 <sup>1</sup>	Human Anatomy, Physiology, and Medical Terminology	75	15	0	5
DMS100	Introduction to Sonography and Patient Care	75	15	0	5
DMS110	Ultrasound Physics and Instrumentation	90	60	0	8
DMS120	Abdominal, Superficial, and Other Ultrasound Imaging	60	90	0	7
DMS130	Gynecology and Obstetrics Ultrasound Imaging	60	90	0	7
DMS140	Vascular Ultrasound Imaging	60	90	0	7
DMS180	Examination Review	15	45	0	2
DMS191	Clinical Externship I	0	0	384	8
DMS201	Clinical Externship II	0	0	576	12
MTH121 <sup>2</sup>	College Algebra Part A	45	0	0	3
MTH122 <sup>2</sup>	College Algebra Part B	45	0	0	3
ENG121 <sup>2</sup>	Composition and Reading Part A	45	0	0	3
ENG122 <sup>2</sup>	Composition and Reading Part B	45	0	0	3
PHIL1C <sup>2</sup>	Ethics	45	0	0	3
PSY1 <sup>2</sup>	General Psychology	45	0	0	3
<b>TOTAL FOR DEGREE</b>		<b>705</b>	<b>405</b>	<b>960</b>	<b>79</b>

<sup>1</sup>Science-based general education course

<sup>2</sup>Online general education course

Approximate time to complete degree program: 75 weeks (not including breaks)

## Accreditation and Disclosures

Carrington College is accredited by the Accrediting Commission for Community and Junior Colleges, 428 J Street, Suite 400, Sacramento, CA 95814, (415) 506-0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education.

Additional information about accreditation, including the filing of complaints against member institutions, can be found at [accjc.org](http://accjc.org).

For comprehensive information on Carrington College's accreditation and approvals, visit [carrington.edu/accreditation](http://carrington.edu/accreditation).

Visit [carrington.edu/sci](http://carrington.edu/sci) for important information on program outcomes.

Program availability varies by location. Carrington College reserves the right to update information as it becomes available.

For the most updated information, visit [carrington.edu](http://carrington.edu).