

## Department Requirements

(Total Department Units: 53.9)

<i>2011-12</i> Course No.	<i>Previous</i> Course No.	<i>Title</i>	<i>Units</i>	<i>Institution &amp;</i> Course No.	<i>Grade</i>	<i>Units</i> (s/q)	<i>Term</i>
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**Program Prerequisites:** Required by ARDMS Licensing Committee:

1. Completion of a two-year allied health education program that is patient-care related including but not limited to: Radiographic/Radiologic Technologist (R.T.), Respiratory Therapist (R.T.), Registered Nurse (R.N.), Occupational Therapist (O.T.), Physical Therapist (P.T.).

**OR**

2. Bachelor's degree

**OR**

3. Medical Doctor (M.D.) or Doctor of Osteopathy (D.O.) degrees from outside of the U.S., equivalent to those of the U.S. and Canada

Before entering the program, applicants will be required to complete the following:

- Anatomy (BMS 107 for 4 units at SBCC)
- Physiology (BMS 108 for 4 units at SBCC)
- Medical Terminology (AH 120 for 1 unit or HIT 135 for 3 units at SBCC)
- Patient Care in Radiography (RT 120 for 3 units at SBCC)
- Pass a physical exam and current immunizations
- Provide a current CPR card
- Pass a criminal background check
- Pass a five panel drug screen

**Please Note:** RT 120 (Patient Care in Radiography) is a prerequisite to DMS 182 (Clinical Experience 1).

### REQUIRED CORE COURSES:

• RT 250..... (none) ....Prin & Appl of Cross-Sept Anatomy Imag...2.0	_____
• DMS 150 ..... (none) ....Physics and Instrumentation.....3.0	_____
• DMS 155 ..... (none) ....Abdominal and Small Parts Scanning .....2.8	_____
• DMS 156 ..... (none) ....OB/GYN Scanning.....2.7	_____
• DMS 160 ..... (none) ....Pathophysiology .....3.0	_____
• DMS 165 ..... (none) ....Abdom. & Small Parts Scan. & Pathol.....3.0	_____
• DMS 170 ..... (none) ....Introduction to Vascular Ultrasound.....4.0	_____
• DMS 182 ..... (none) ....Clinical Experience 1 .....9.0	_____
• DMS 183 ..... (none) ....Clinical Experience 2 .....9.5	_____
• DMS 184 ..... (none) ....Clinical Experience 3 .....2.4	_____
• DMS 185 ..... (none) ....Clinical Experience 4 .....9.5	_____
• DMS 250 ..... (none) ....Sonography Interpretation.....3.0	_____

**Recommended Sequence:** Fall semester: RT 250, DMS 150, 155. Spring semester: DMS 156, 160, 165. Summer session: DMS 182. Fall semester: DMS 170, 183. Winter intersession: DMS 184. Second Spring semester: DMS 185, 250.

**Certificate of Achievement Requirements:** Complete all department requirements for the certificate with a cumulative grade point average (GPA) of 2.0 or better. Candidates for a Certificate of Achievement are required to complete at least 20% of the department requirements through SBCC. Pass/no Pass grading is not permitted in those courses needed to fulfill department requirements.

### Additional Program Information

For further information, contact the Counseling Center, 965-0581, Ext. 2285, or Debra McMahan, Department Chair, 965-0581, Ext. 2504. Check your certificate progress with DARS U-Achieve at [www.sbccc.edu/DARS](http://www.sbccc.edu/DARS).

## Programs of Study (In alphabetical order)

Accounting (AS)  
 Accounting/Assistant Bookkeeper I-IV [I-III (D); IV (C)]  
 Accounting Information Systems I-III (SCA)  
 Acute Care CNA (SCA)  
 Administration of Justice (AA/AS/C) – 3 emph. available for AS & C, 1 for AA  
 Advanced Studies in Alcohol and Drug Counseling (SCA)  
 Alcohol and Drug Counseling (AA/C)  
 Animation (AA/C)  
 Anthropology (AA)  
 Applied Photography (AA/C)  
 Art (AA) - 2 emphases available  
 Associate Child Care Teacher (C)  
 Automotive Services & Technology (AS/C)

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Baking and Pastry (SCA)  
 Biological Sciences (AA)  
 Bio-Medical Sciences (D)  
 Black Studies (AA)  
 Bookkeeping (SCA)  
 Business Admin. (AA/C/SCA) – 3 emphases available for AA, 2 for C, 2 for SCA  
 Business Communications (SCA)

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Cancer Information Management (AS/C)  
 Certified Nursing Assistant (SCA)  
 Chemistry (AA)  
 Chicano Studies (AA)  
 Cisco Networking Associate (SCA)  
 Cisco Networking Professional (SCA)  
 Commercial Diving (SCA)  
 Commercial Music (C)  
 Communication (AA) - 2 emphases available  
 Computer App. & Office Managem. (AS/C) - 2 emphases available  
 Computer Information Systems (AS) – Emph. in System Administration available  
 Computer Network Engineering (AS/C)  
 Computer Networking Technology (SCA)  
 Computer Proficiency Online (SCA)  
 Computer Science (AS/C)  
 Cosmetology (AS/C)  
 Creative Writing (C) – 2 emphases available  
 Culinary Arts (AS/C)

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Database Programming and Applications Development (C)  
 Diagnostic Medical Sonography (C)  
 Digital Darkroom and Color Management for RGB (SCA)  
 Diversity Issues in ECE (C)  
 Drafting/CAD (AS/C)

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Early Childhood Education (AS/C)  
 Economics (AA)  
 Emergency Medical Technician/Basic (SCA)  
 Engineering (AA/AS)  
 English (AA)  
 Entrepreneurship (SCA) – 3 emphases available  
 Environmental Horticulture (AS/C) - 4 emphases available for AS, 1 for C  
 Environmental Studies (AA)  
 Esthetician (SCA) – 2 levels available  
 Ethnic Studies (AA)

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Film Production (AA)  
 Film Studies (AA)  
 Finance (AA/C)  
 French (AA)

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Game Design (D)  
 Geography (AA)  
 Geological Sciences (AA)  
 Global Studies (AA)  
 Graphic Design & Photography – Graphic Design Concentration (AA/C)  
 Graphic Design (C)  
 Great Books Curriculum (D)

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Health Care IT Workforce Training (SCA)  
 Health Information Technology (AS)  
 Help Desk and Desktop Support (SCA) – 2 levels available

History (AA)  
 Home Health Aide (SCA)  
 Honors (C/C with highest honors) – 2 emphases available  
 Hospitality (AS/C)  
 Hospitality Operations Specialist (SCA)  
 Human Resource Hospitality Specialist (SCA)

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Infant/Toddler Development (C)  
 Information Technology Management (SCA)  
 Interior Design (AA/C)  
 International Business (AA/C)  
 International Marketing Communication (SCA)  
 Introduction to Teaching English as a Foreign Language (SCA)

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Journalism (AA/C) – 3 emphases available

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Landscape Operations (SCA)  
 Law & Society (AA) - Emphasis in Criminal Justice available  
 Liberal Arts & Sciences (AA) – 4 emphasis available  
 Liberal Studies (AA) – Emphasis in Education

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Manicure (SCA)  
 Marine Diving Technician (AS/C)  
 Marine Science (D)  
 Marketing (AA/C)  
 Mathematics (AA)  
 Media Arts (AA/C)  
 Media Design and Development (SCA)  
 Medical Coding Specialist (C)  
 Microsoft Office Development (SCA)  
 Microsoft SQL Server Database Administration (SCA)  
 Microsoft Windows System Administration and Security (SCA)  
 Middle East Studies (AA)  
 Mobile Application Developer (SCA)  
 Mobile Device Administration (SCA)  
 Mobile Media Core (SCA)  
 Music (AA/D)

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Native American Studies (AA)  
 Natural History (AA/D)  
 Nursing - ADN (AS)

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Office Assistant (SCA)

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PC Support/Network Management (C)  
 Personal Chef Training (SCA)  
 Philosophy (AA)  
 Photo Design (SCA) – 3 awards available  
 Physical Education (AA) - 3 emphases available  
 Physics (AA/AS)  
 Political Science (AA)  
 Post-Professional Practice in ADC (C)  
 Print and Color Management for CMYK (SCA)  
 Psychology (AA)

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Radiography (AS)  
 Real Estate (AS/C)

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Sales and Marketing (SCA)  
 School-Age Care (C)  
 Sociology (AA)  
 Spanish (AA)  
 Sustainable Horticulture (SCA)

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Technical Writing (SCA)  
 Theatre Arts (AA) - 3 emphases available and 1 department award  
 Transfer – CSU General Education Breadth Pattern (C)  
 Transfer – IGETC (C)

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Virtualization System Administration (SCA)  
 Vocational Nursing (AS/C)

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Water Science (C) - 4 options available  
 Web Journalism (SCA)  
 Web Marketing and Media Design (SCA)  
 Web Programming (SCA)  
 Web Server Administration (SCA)



Santa Barbara City College

# Diagnostic Medical Sonography

2011-12

## Certificate of Achievement in Diagnostic Medical Sonography

Diagnostic Medical Sonography is an 18-month certificate program offered every 24 months. In order to enroll in this program you must have completed a two-year allied health education program that is patient care related (i.e. Radiologic Technology, Nursing or Respiratory Therapy). A bachelor's degree will also permit you to enter the program if you have fulfilled the four modified prerequisites. See **Limitation on Enrollment** information.

## Careers in Diagnostic Medical Sonography

Diagnostic Medical Sonography is a technique using high frequency sound waves to image various parts of the body. Diagnosis of pathologic conditions requires that the technologist has a thorough understanding of cross-sectional anatomy, physiology, pathophysiology, and patient care.

***SBCC: Your Open Door to Educational Excellence***

Key: (AA)=Associate in Arts; (AS)=Associate in Science; (C)=Certificate of Achievement; (D)=Department Award; (SCA)= Skills Competency Award