

Department Requirements

(Total Department Units: 30.3-31.8)

<i>2011-12</i> Course No.	<i>Previous</i> Course No.	<i>Title</i>	<i>Units</i>	<i>Institution &</i> Course No.	<i>Grade</i>	<i>Units</i> (s/q)	<i>Term</i>
• MDT 101	(none)	Information and Introduction to MDT	0.3				
• MDT 104	(none)	Fundamentals and Practices of Diving	3.8				
• MDT 105	(none)	Advanced SCUBA Techniques	1.7				
• MDT 106	(none)	Open Water Navigation and Rescue	0.5				
• MDT 107	(none)	Hyperbaric Chamber Operations	1.5				
• MDT 108	(none)	Rigging	1.6				
• MDT 109	(none)	Seamanship and Small Boat Handling	2.1				
• MDT 111	(none)	First Aid for the Diving Professional	1.3				
• MDT 112	(none)	Introduction to Marine Welding	1.1				
• MDT 140	(none)	Principles of Surface Supplied Diving	1.2				
• MDT 141	(none)	Commercial Diving Equipment	2.2				
• MDT 142	(none)	Surface Supplied Ocean Diving	1.8				
• MDT 143	(none)	Mixed Gas Diving	1.7				
• MDT 145	(none)	Prin. of Underwater Cutting and Welding	1.3				
• MDT 146	(none)	Adv. Underwater Cutting and Welding	0.6				
• MDT 147	(none)	Ocean Structures	0.9				
• MDT 148	(none)	Hydraulics I	1.3				
• MDT 152	(none)	Underwater Tools and Inspection	1.9				
• MDT 154	(none)	Bell and Saturation Diving Procedures	2.2				
• MDT 179	(none)	NITROX Diving	0.8				
• MDT 190	(none)	Assessment and Dev. of Diving Comp.	0.5-2				

Recommended Electives:

• BIOL 124	(24)	Biological Oceanography	OR	4.0			
• BIOL 142	(24)	Marine Science	OR	3.0			
• EARTH 151	(EARTH 151/2)	Physical Oceanography		3.0			
• BIOL 125	(25)	Marine Biology		4.0			
• CNEE 150	(ECT 10/100)	Concepts of Electronics		4.0			
• CS 101	(COMSC 101/1)	Computer Concepts		3.0			
• DRFT 101	(DRAFT 101/1)	Basic Drafting	OR	3.0			
• DRFT 105	(DRAFT 105/3)	Engineering Graphics	OR	4.0			
• ENGR 105	(5)	Engineering Graphics	OR	4.0			
• DRFT 130	(DRAFT 130/21)	Comp.-Assisted Draft & Dsgn I	OR	5.0			
• ENGR 130	(21)	Comp.-Assisted Draft & Dsgn I		5.0			
• EMT 110	(AH 110/HT 110/9)	Emergency Medical Technician – Basic		5.2			
• MDT 162	(none)	Professional Involvement in Marine Tech		0.5-2			
• MDT 174	(none)	Diving in Contaminated Environments		0.9			
• MDT 180	(none)	Diver Medical Technician		3.0			
• MDT 181	(none)	Heavy Gear Diving		0.3			
• MDT 182	(none)	Underwater Crime Scene Investigation		1.0			
• MDT 183	(none)	Water Survival Training		0.5			
• MDT 290	(none)	Work Experience in Marine Diving Tech		1-4			
• MDT 299	(none)	Independent Study in Marine Diving Tech		1-4			
• PE 134	(none)	Swimming for Conditioning		1.0			
• PHYS 101/101L	(1)	Conceptual Physics	OR	4.0			
• PHYS 101H	(101HR)	Conceptual Physics, Honors		4.0			

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 Geoff Thielst, Department Chair, 965-0581, Ext. 2718. Check your certificate progress with DARS U-Achieve at 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)	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)
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)	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)
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)	Journalism (AA/C) – 3 emphases available Landscape Operations (SCA) Law & Society (AA) - Emphasis in Criminal Justice available Liberal Arts & Sciences (AA) – 4 emphasis available Liberal Studies (AA) – Emphasis in Education
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)	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)
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)	Native American Studies (AA) Natural History (AA/D) Nursing - ADN (AS)
Film Production (AA) Film Studies (AA) Finance (AA/C) French (AA)	Office Assistant (SCA)
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)	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)
Health Care IT Workforce Training (SCA) Health Information Technology (AS) Help Desk and Desktop Support (SCA) – 2 levels available	Radiography (AS) Real Estate (AS/C)
	Sales and Marketing (SCA) School-Age Care (C) Sociology (AA) Spanish (AA) Sustainable Horticulture (SCA)
	Technical Writing (SCA) Theatre Arts (AA) - 3 emphases available and 1 department award Transfer – CSU General Education Breadth Pattern (C) Transfer – IGETC (C)
	Virtualization System Administration (SCA) Vocational Nursing (AS/C)
	Water Science (C) - 4 options available Web Journalism (SCA) Web Marketing and Media Design (SCA) Web Programming (SCA) Web Server Administration (SCA)

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



Santa Barbara City College

Marine Diving Technician

2011-12

Certificate of Achievement in Marine Diving Technician

A certificate of achievement as a Marine Diving Technician certifies professional commercial divers for employment under ANSI/ACDE-01-1998 industry standards. The training curriculum includes instruction in all phases of commercial diving, hyperbaric medicine, bell/saturation diving emergency medicine, and remote operated vehicles (ROV's) to name but a few. *Teamwork and Safety* are the prime emphases of marine technician training. Students completing the certificate program receive industry certifications which are required for employment. Students completing the full certificate program have the option to seek employment in the marine industry or combine their completed coursework toward an Associate in Science degree in Marine Technology at SBCC.

Careers in Marine Diving

The Marine Diving Program is designed to meet the growing needs of the marine and diving industries that are engaged in underwater construction, research and the worldwide development of marine resources. Graduates can pursue multiple marine career paths in marine and underwater technology working above and below the water with many types of sophisticated marine data collection instruments. Jobs vary from skilled divers working with all types of equipment above and below the water to the management of marine resources, mariculture, boating, SCUBA, oceanography, research and education.

Admission Requirements: The program is open to all interested students to both diving and non-diving classes.

- 1) Non-diving students submit an SBCC Application to Admissions Office.
- 2) Students enrolling in diving classes, provide proof of diving certification and submit the Department Application for Diving.

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