

# MARINE DIVING TECHNICIAN, ASSOCIATE IN SCIENCE (AS)

## Requirements

### Associate Degree Graduation Requirements

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course (at least 20% of the department requirements must be completed through SBCC).
2. A minimum of 18 units of SBCC (<https://catalog.sbccc.edu/degrees-certificates-awards/#associatedegree-text>) General Education Requirements (Areas A-D) and Institutional Requirements (Area E) and Information Competency Requirement (Area F)
3. A total of 60 degree-applicable units (SBCC courses numbered 100 and higher).
4. Maintain a cumulative GPA of 2.0 or better in all units attempted at SBCC.
5. Maintain a cumulative GPA of 2.0 or better in all college units attempted.
6. A total of 12 units through SBCC.

Code	Title	Units
<b>Department Requirements</b>		
BIOL 124 or BIOL 142 or ERTH 151	Biological Oceanography Marine Science Introductory Physical Oceanography	3-4
BIOL 125	Marine Biology	4
DRFT 101 or DRFT 130 or ENGR 105	Basic Drafting Computer-Assisted Drafting And Design I Engineering Graphics	3-5
EMT 110	Emergency Medical Technician-Basic	6
MDT 101	Information and Introduction to Marine Diving Technology	0.3
MDT 104	Fundamentals and Practices of Diving	2
MDT 105	Advanced Scuba Techniques	1.7
MDT 106	Open Water Navigation And Rescue	0.7
MDT 107	Hyperbaric Chamber Operations	1.5
MDT 108	Rigging	1
MDT 109	Seamanship and Small Boat Handling	1.5
MDT 111	First Aid For The Diving Professional	1.3
MDT 112	Introduction To Marine Welding	1.1
MDT 140	Principles Of Surface-Supplied Diving	1
MDT 141	Commercial Diving Equipment	1.5
MDT 142	Surface-Supplied Ocean Diving	1.8
MDT 143	Mixed Gas Diving	1.1
MDT 145	Principles Of Underwater Cutting And Welding	1
MDT 146	Advanced Underwater Cutting And Welding	1.5
MDT 147	Ocean Structures	0.5
MDT 148	Hydraulics I	0.74
MDT 152	Underwater Tools And Inspection	1.7

MDT 154	Bell And Saturation Diving Procedures	1.7
MDT 179	Nitrox Diving	0.8
MDT 190	Assessment And Development Of Diving Competence	1
PHYS 101 & 101L	Conceptual Physics and Conceptual Physics Laboratory	4
<b>Total Units</b>		<b>45.44-48.44</b>

### Recommended Electives

Code	Title	Units
CS 101	Computer Concepts	4
MDT 290	Work Experience In Marine Diving Technology	2-4
PE 134A	Swimming For Conditioning: Beginning	1.5

## Learning Outcomes

1. Meet the qualifications of an entry-level commercial diver established by the United States Occupational Safety and Health Administration, the United States Coast Guard, the American National Standards Institute and the Association of Diving Contractors
2. Comprehend physical laws governing hyperbaric and industrial operations in a marine environment
3. Conduct hyperbaric and industrial-related activities safely and in accordance with recognized agency and industry standards
4. Apply knowledge of diving techniques and associated capabilities to determine proper operational procedures for diverse marine-related construction, inspection, maintenance, repair and decommissioning projects
5. Perform the assigned duties of an entry-level diver as an individual or member of a support team in a safe, effective and efficient manner

## Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment ([http://www.sbccc.edu/starfish/howtos/starfish\\_appt\\_how\\_to.pdf](http://www.sbccc.edu/starfish/howtos/starfish_appt_how_to.pdf)).