### Marine Science

#### Department Award Requirements

A student must complete each of the required courses (or use substitution options) with a grade of “C” or better.

#### Department Requirements

**Total Department Units: 18.8**

<table>
<thead>
<tr>
<th>Current Course No.</th>
<th>Previous Course No.</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 124</td>
<td></td>
<td>Biological Oceanography</td>
<td>4.0</td>
</tr>
<tr>
<td>BIOL 125*</td>
<td></td>
<td>Marine Biology</td>
<td>4.0</td>
</tr>
<tr>
<td>ERTH 151</td>
<td>(EARTH 151/2)</td>
<td>Introductory Physical Oceanography</td>
<td>3.0</td>
</tr>
<tr>
<td>ERTH 151L</td>
<td>(EARTH 151L/2L)</td>
<td>Introductory Physical Oceanography Lab</td>
<td>1.0</td>
</tr>
<tr>
<td>ERTH 152</td>
<td>(EARTH 152/19)</td>
<td>Weather and Climate <strong>OR</strong></td>
<td>3.0</td>
</tr>
<tr>
<td>GEOG 152</td>
<td></td>
<td>Weather and Climate</td>
<td>3.0</td>
</tr>
<tr>
<td>HE 103#</td>
<td></td>
<td>Responding to Medical Emergencies</td>
<td>2.0</td>
</tr>
<tr>
<td>MDT 101</td>
<td></td>
<td>Information and Introduction to MDT</td>
<td>0.3</td>
</tr>
<tr>
<td>MDT 108</td>
<td></td>
<td>Rigging</td>
<td>1.0</td>
</tr>
<tr>
<td>MDT 109</td>
<td></td>
<td>Seamanship and Small Boat Handling</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Plus completion of a Basic SCUBA Diving Certification. Students interested in a Marine Biology major should take the Biological Sciences majors sequence.

**Substitutions:**

- The completion of BIOL 142 can be substituted for BIOL 124.
- The combination of BIOL 101(10A) - Plant Biology, and BIOL 102(10B) - Animal Biology can be substituted for the required Biology 125 (25) course.
- The completion of EMT 110 (AH 110/HT 110) - Emergency Medical Technician-Basic can be substituted for the required Health Education 103 (3) course.

### Additional Program Information

For further information, contact the Counseling Center, 965-0581, Ext. 2285, or Eric Wise, Department Chair, 965-0581, Ext. 4317, or Michelle Paddack, 965-0581, Ext. 2328.

---

*Santa Barbara City College*
Associate Degrees and Certificates of Achievement (In alphabetical order) - For a complete list of programs of study (associate degrees, certificates, skills competency awards and department awards) and requirements, go to http://www.sbcc.edu/apply/degrees_certificates.php.

### College of Liberal Arts
- Accounting (AS)
- Accounting/Assistant Bookkeeper IV (C)
- Administration of Justice (AA/AS/C) - 3 emph. avail (AS&C), 1 (AA)
- Administration of Justice for Transfer (AS-T)
- Alcohol and Drug Counseling (AA/C)
- Animation and Gaming (AA/C)
- Anthropology (AA)
- Applied Photography (AA/C)
- Art (AA) - 2 emphases available
- Art History for Transfer (AA-T)
- Associate Child Care Teacher (C)
- Automotive Services & Technology (AS/C)
- Biological Sciences (AA)
- Black Studies (AA)
- Business Administration (AA/C) - 3 emphases available for AA, 2 for C
- Business Administration for Transfer (AS-T)
- Cancer Information Management (AS/C)
- Chemistry (AA)
- Chicano Studies (AA)
- Commercial Music (C)
- Communication (AA) - 2 emphases available
- Communication Studies for Transfer (AA-T)
- Computer App. & Office Mgmt (AS/C) - 2 emphases available
- Computer Information Systems (AS) - Emph. in System Admin. available
- Computer Network Engineering (AS/C)
- Computer Science (AS/C)
- Construction Technology (AS/C)
- Cosmetology (AS/C)
- Culinary Arts (C)
- Database Programming and Applications Development (C)
- Diagnostic Medical Sonography (C)
- Diversity Issues in ECE (C)
- Drafting/CAD (AS/C)
- Early Childhood Education (AS/C)
- Economics (AA)
- Engineering (AA/AS)
- English (AA)
- Environmental Horticulture (AS/C) - 4 emphases available for AS, 1 for C
- Environmental Studies (AA)
- Ethnic Studies (AA)
- Film Production (AA)
- Film and Media Studies (AA)
- Finance (AA/C)
- French (AA)
- Geography (AA)
- Geological Sciences (AS)
- Global Studies (AA)
- Graphic Design & Photography – Graphic Design Concentration (AA/C)
- Health Information Technology (AS)
- History (AA)
- History for Transfer (AA-T)

### College of Science and Technology
- Honors (C/C with highest honors) – 2 emphases available
- Hospitality (AS/C)
- Infant/Toddler Development (C)
- Interior Design (AA/C)
- International Business (AA/C)
- Introduction to Graphic Design (C)
- Journalism (AA/C)
- Journalism for Transfer (AA-T)
- Kinesiology for Transfer (AA-T)
- Law & Society (AA) - Emphasis in Criminal Justice available
- Liberal Arts (AA) – Emphasis in Biomedical Sciences
- Liberal Arts & Sciences (AA) – 3 emphases available
- Liberal Studies (AA) – Emphasis in Education
- Marine Diving Technician (AS/C)
- Marketing (AA/C)
- Mathematics (AA)
- Mathematics for Transfer (AS-T)
- Media Arts (AA/C)
- Medical Coding Specialist (C)
- Middle East Studies (AA)
- Music (AA)
- Native American Studies (AA)
- Natural History (AA)
- Nursing – ADN (AS)
- PC Support/Network Management (C)
- Philosophy (AA)
- Philosophy for Transfer (AA-T)
- Physical Education (AA) – Emphasis in Athletic/Personal Fitness avail.
- Physics (AA/AS)
- Physics for Transfer (AS-T)
- Political Science (AA)
- Political Science for Transfer (AA-T)
- Post-Professional Practice in ADC (C)
- Psychology (AA)
- Psychology for Transfer (AA-T)
- Radiography (AS)
- Real Estate (AS/C)
- School-Age Care (C)
- Sociology (AA)
- Sociology for Transfer (AA-T)
- Spanish (AA)
- Spanish for Transfer (AS-T)
- Studio Arts for Transfer (AA-T)
- Theatre Arts (AA) - 3 emphases available
- Theatre Arts for Transfer (AA-T)
- Transfer – CSU General Education Breadth Pattern (C)
- Transfer – IGETC (C)
- Vocational Nursing (AS/C)
- Wastewater Technology Education (C)
- Water Technology Education (C)

### Key:
- (AA)=Associate in Arts
- (AA-T)=Associate in Arts for Transfer
- (AS)=Associate in Science
- (AS-T)=Associate in Science for Transfer
- (C)=Certificate of Achievement