MARINE BIOLOGY MAJOR (MJ-MRBIO)

in the Bachelor of Science (50110) and associated combined degrees
All units are 6 points; a full unit load is 48 points per year or 24 points per semester.

2011 only

This information is for all students enrolled in a Marine Biology major in 2011 and is valid for 2011 only.

If you want to complete a Marine Biology major, you must in 2011 complete the level 1, 2 or 3 requirements (or part thereof) as indicated below. From 2012, you must follow the 2012 Marine Biology major rules as indicated on the reverse. You do not have to go back to the unit(s) that you have already passed. For example, if you have already passed the level 1 and (part of) the level 2 Marine Biology units and these units change after you have completed them, you do NOT need to complete the ‘new’ level 1 and 2 units.

2011 only - LEVEL 1 MARINE BIOLOGY REQUIREMENTS
Complete the two level 1 core units from the table below:

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL1130 Core Concepts in Biology</td>
<td>BIOL1131 Plant and Animal Biology</td>
</tr>
</tbody>
</table>

and two CHEM units from the table below or one pair of units from the table below:

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM1001 Chemistry – Properties and Energetics</td>
<td>CHEM1002 Chemistry – Structure and Reactivity</td>
</tr>
<tr>
<td>CHEM1105 Introductory Chemistry</td>
<td>CHEM1106 Biological Chemistry</td>
</tr>
<tr>
<td>PHYS1101 Advanced Physics A</td>
<td>PHYS1102 Advanced Physics B</td>
</tr>
<tr>
<td>PHYS1141 General Physics A</td>
<td>PHYS1142 General Physics B</td>
</tr>
</tbody>
</table>

and complete one pair of units from the table below:

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH1010 Calculus and Linear Algebra</td>
<td>MATH1020 Calculus, Statistics and Probability</td>
</tr>
<tr>
<td>MATH1050 Introductory Calculus</td>
<td>STAT2210 Biometrics 1 or STAT1400 Stats for Science</td>
</tr>
<tr>
<td>MATH1045 Intermediate Calculus</td>
<td>STAT2210 Biometrics 1 or STAT1400 Stats for Science</td>
</tr>
<tr>
<td>MATH1035 Calculus and Matrices</td>
<td>STAT2210 Biometrics 1 or STAT1400 Stats for Science</td>
</tr>
<tr>
<td>MATH1025 Multivariable Calculus &amp; Matrix Methods</td>
<td>STAT2210 Biometrics 1 or STAT1400 Stats for Science</td>
</tr>
</tbody>
</table>

2011 only - LEVEL 2 MARINE BIOLOGY REQUIREMENTS
Complete the three level 2 core units from the table below:

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANIM2203 Invertebrate Zoology (taught for the last time in 2011)</td>
<td>ANIM2204 Vertebrate Zoology</td>
</tr>
<tr>
<td>SCIE2204 Introduction to Marine Science</td>
<td></td>
</tr>
</tbody>
</table>

and complete at least one of the units from the table below:

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLNT2201 Plant Physiology: Plants in Action</td>
<td></td>
</tr>
<tr>
<td>PLNT2203 Aquatic Botany (recommended) (taught for the last time in 2011)</td>
<td></td>
</tr>
</tbody>
</table>

2011 only - LEVEL 3 MARINE BIOLOGY REQUIREMENTS
Complete the four level 3 core units from the table below:

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANIM3301 Animal Ecology</td>
<td>SCIE3304 Field Techniques in Marine Science</td>
</tr>
<tr>
<td>ENVE4615 Physical Oceanography</td>
<td>SCIE3307 Biological Oceanography</td>
</tr>
</tbody>
</table>

1 STAT2210 Biometrics 1 will be taught for the last time in 2012 and must, from 2012 onwards, be replaced with SCIE1104 Science, Society and Data Analysis (Sem 2)
2 This unit will be replaced, from 2012 onwards, with ANIM2207 Animal Function and Structure
3 This unit, from 2012 onwards, will be taught in Semester 2
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FROM 2012

If you want to complete a Marine Biology major in your current course and if you do not (want to) transfer to the New Courses 2012, you must follow the 2012 Marine Biology major rules as indicated below. You will not have to go back to the unit(s) that you have already passed. For example if you have already passed the level 1 and the level 2 Marine Biology units and these units change after you have completed them, you do NOT need to complete the ‘new’ level 1 and 2 units.

From 2012 onwards - LEVEL 1 MARINE BIOLOGY REQUIREMENTS

Students who commenced the major before 2012 will normally have completed the level 1 requirements for the major. For students who have not completed the Level 1 requirements, please refer to the level 1 requirements for 2011 (See reverse)

From 2012 onwards - LEVEL 2 MARINE BIOLOGY REQUIREMENTS

Complete the two level 2 core units from the table below:

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCIE2204  Marine Systems</td>
<td></td>
</tr>
<tr>
<td>ENVT2250 Ecology</td>
<td></td>
</tr>
</tbody>
</table>

From 2012 onwards - LEVEL 3 MARINE BIOLOGY REQUIREMENTS

Complete the four level 3 core units from the table below:

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCIE3304 Field Techniques in Marine Science</td>
<td>ENVT3363 Ecological Processes</td>
</tr>
<tr>
<td>ENVE4615 Physical Oceanography</td>
<td>SCIE3307 Biological Oceanography</td>
</tr>
</tbody>
</table>

SUBJECT TO UNIVERSITY APPROVAL