



# 3972 Science (Advanced) Major in BIOTECHNOLOGY

For students who commenced in 2012

PLEASE NOTE: Plans/majors are under constant review. They are subject to the process of the university and may change over the years depending on course availability, etc. For up to date info please email [BABStudent@unsw.edu.au](mailto:BABStudent@unsw.edu.au)  
CRICOS Provider Code 00098G

|              |                          |                         |                      |                          |
|--------------|--------------------------|-------------------------|----------------------|--------------------------|
| <b>MAJOR</b> | <b>Advanced Sci Core</b> | <b>Science Elective</b> | <b>Free Elective</b> | <b>General Education</b> |
|--------------|--------------------------|-------------------------|----------------------|--------------------------|

Please Note: Science Electives and Free Electives may be used to complete a double major.

## CORE ADVANCED SCIENCE PROGRAM (144 UOC)

### STAGE 1 (must have at least 24 UOC Level 1 Science Courses)

|   |   |  |  |   |   |   |
|---|---|--|--|---|---|---|
| <b>SCIF1121</b><br>Adv Sci: PPP (S1)<br>or<br><b>SCIF1131</b><br>Science:TPP (S2)<br>6UOC | <b>BABS1201</b><br>Mol, Cells & Genes<br>S1<br>6UOC | <b>BIOT1011</b><br>Intro Biotech<br>S2<br>6UOC | <b>CHEM1011</b> or<br><b>CHEM1031</b><br>Chem 1A<br>S1/S2(1011)<br>S1 (1031)<br>6UOC | <b>CHEM1021</b> or<br><b>CHEM1041</b><br>Chem 1B<br>S2/U1 (1021)<br>S2 (1041)<br>6UOC | <b>MATH1031</b> or<br><b>MATH1131</b> or<br><b>MATH1141</b><br>6UOC | <b>MATH1041</b> or<br><b>MATH1231</b> or<br><b>MATH1241</b><br>6UOC |
|---|---|--|--|---|---|---|

### STAGE 2

|   |  |   |
|---|--|---|
| <b>BABS2011</b><br>Current Trends in<br>Biotech<br>S2<br>6UOC | <b>BIOC2101</b><br>Principles of<br>Biochem. Adv<br>S1<br>6UOC | <b>BIOC2201</b><br>Princ. of Mol. Biol<br>Adv<br>S2<br>6UOC |
|---|--|---|

### STAGE 3 (must have at least 30 UOC Level 3 Science Courses)

|  |  |  |  |  |
|--|--|--|--|--|
| <b>BABS3071</b><br>Commercial<br>Biotech<br>S1<br>6UOC | <b>BABS3091</b><br>Prof Issues<br>In Biotech<br>S2<br>6UOC | <b>BABS3621</b><br>Nucleic Acids Adv<br>S1<br>6UOC | <b>BABS3631</b><br>Biotech & Bioeng<br>Adv<br>S2<br>6UOC | <b>12 UOC from:</b><br><b>BABS3041</b> (S1); <b>BABS3061</b> (S2);<br><b>BABS3281</b> (S2); <b>BIOC3111</b> (S1);<br><b>BIOT3081</b> (S2); <b>BIOC3671</b> (S2)<br>(all 6UOC each) |
|--|--|--|--|--|

### Science Electives (can be completed at any stage if prerequisite requirements are fulfilled)

|                                 |
|---------------------------------|
| <b>Science elective</b><br>6UOC |
|---------------------------------|

**Recommended electives**  
(not compulsory but are good complementary courses)  
**BABS2202; MICR2011; BIOS2021/2621; MICR3071**  
**BABS3301; SCIF2041; SCIF3041**

### STAGE 4

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| <b>BIOTECHNOLOGY HONOURS</b><br>48 UOC (taken over two sessions each consisting of 24 UOC) |
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## FREE ELECTIVES & GENERAL EDUCATION (48 UOC)

(can be completed at any stage if prerequisite requirements are fulfilled)

|                       |                       |                       |
|-----------------------|-----------------------|-----------------------|
| Free elective<br>6UOC | Free elective<br>6UOC | Free elective<br>6UOC |
| Free elective<br>6UOC | Free elective<br>6UOC | Free elective<br>6UOC |

|                           |                           |
|---------------------------|---------------------------|
| General Education<br>6UOC | General Education<br>6UOC |
|---------------------------|---------------------------|

### Honours note:

Students must achieve an average overall WAM of 65 or higher and an average of 65 or higher in third-level Science courses to be eligible for Honours in the School of BABS. Students who are ineligible to progress to Honours, will be required to transfer to the Bachelor of Science program (3970) and graduate with the Bachelor of Science award at pass level.

Please direct any queries to the  
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