



# 3972 Science (Advanced)

## Major in GENETICS

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>
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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> Adv Sci: PPP (S1) or <b>SCIF1131</b> Science:TPP (S2) 6UOC	<b>BABS1201</b> Mol, Cells & Genes S1 6UOC	<b>BIOS1101</b> Evol. & Funct. Biol S2 6UOC	<b>CHEM1011</b> or <b>CHEM1031</b> Chem 1A S1/S2(1011) S1 (1031) 6UOC	<b>CHEM1021</b> or <b>CHEM1041</b> Chem 1B S2/U1 (1021) S2 (1041) 6UOC	<b>MATH1031</b> or <b>MATH1131</b> or <b>MATH1141</b> 6UOC	<b>MATH1041</b> or <b>MATH1231</b> or <b>MATH1241</b> 6UOC
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**STAGE 2**

<b>BIOC2101</b> Principles of Biochem. Adv S1 6UOC	<b>BIOC2201</b> Princ. of Mol. Biol Adv S2 6UOC	<b>BIOS2621</b> Genetics Adv S2 6UOC
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**STAGE 3** (must have at least 30 UOC Level 3 Science Courses)

<b>BABS3621</b> Nucleic Acids Adv S1 6UOC	<b>12 UOC from:</b> <b>BABS3151</b> Human Genetics & Variation (S1) <b>BABS3291</b> Genes, Genomes & Evolution (S2) <b>MICR3621</b> Microbial Genetics Adv (S1) (all 6UOC each)	<b>6 UOC from:</b> <b>BINF3010</b> Bioinformatics (S1) <b>BABS3281</b> Molecular Genomics (S2) (all 6UOC each)
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**Science Electives** (can be completed at any stage if prerequisite requirements are fulfilled)

<b>Science elective</b> *Level 3 course* 6UOC	<b>Science elective</b> 6UOC
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**Recommended electives**  
(not compulsory but are good complementary courses)

**BABS2202; BEES2041; MICR2011**  
**BABS3301; SCIF2041; SCIF3041**

**STAGE 4**

<b>GENETICS HONOURS</b> 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 6UOC	Free elective 6UOC	Free elective 6UOC
Free elective 6UOC	Free elective 6UOC	Free elective 6UOC

General Education 6UOC	General Education 6UOC
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#### 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  
BSB (BABS/SOMS/BEES)  
Student Office:

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Email: [BABStudent@unsw.edu.au](mailto:BABStudent@unsw.edu.au) Phone: 9385 8047