

Biotech
Core

Science
Elective

Free
Elective

General
Education

CORE BIOTECHNOLOGY PROGRAM (168 UOC)

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

BABS1201
Mol, Cells &
Genes
S1
6UOC

BABS1202*
Applied Biomol.
Sciences
S2
6UOC
*prev. BIOT1011

**CHEM1011 or
CHEM1031**
Chem A
S1/S2(1011)
S1 (1031)
6UOC

**CHEM1021 or
CHEM1041**
Chem 1B
S2/U1 (1021)
S2 (1041)
6UOC

**MATH1031 or
MATH1131 or
MATH1141**
6UOC

**MATH1041 or
MATH1231 or
MATH1241**
6UOC

STAGE 2

BABS2011
Current Trends in
Biotech
S2
6UOC

BABS2202
Mol Cell Biol 1
S2
6UOC

BIOC2101
Principles of
Biochem. Adv
S1
6UOC

BIOC2201
Principles of Mol.
Biol Adv
S2
6UOC

MICR2011
Microbiology 1
S1
6UOC

BABS2204/2624
Genetics/Adv
S2
6UOC
*prev. BIOS2021
/2621

Choose 6UOC (one course) from:

BIOS2011 Evolutionary & Physiological Ecology (S2); **CHEM2021** Organic Chem (S2); **CHEM2041** Analytical Chem (S1);
PHSL2101 Physiology 1A (S1); **PHAR2011** Intro Pharmacology & Toxicology (S2)

Note to students: Your choice may influence your stage 3 elective choices.

STAGE 3

BABS3031/3631
Biotech & Bioeng
/Adv
S2
6UOC

BABS3071
Commercial
Biotech
S1
6UOC

BABS3091
Prof Issues
In Biotech
S2
6UOC

BABS3121/3621
Nucleic Acids/Adv
S1
6UOC

Choose 18UOC (three courses) from:

BABS3021/3621 (S1); **BABS3041** (S1); **BABS3061** (S2); **BABS3081** (S1);
BABS3151 (S1); **BABS3281** (S2); **BABS3291** (S2); **BABS6741** (S2);
BIOT3081 (S2); **BIOC3111** (S1); **BIOC3261** (S2); **BIOC3271/3671** (S2);
CHEM3901 (S2); **FOOD3010** (S1); **MICR3061** (S2); **MICR3071** (S1);
PATH3208 (S2); **PHAR3101** (S2); **PHAR3102** (S1)

Note to students: In selecting electives, students may wish to *specialise* in a particular area of Biotechnology. Some recommended elective choices for these areas are listed below, by way of example.

Medical Biotechnology: **BABS3041** Immunology 1; **BABS3061** Medical Biotech; **BABS3081** Bacteria & Disease; **MICR3061** Viruses & Disease.

Environmental Biotechnology: **BIOT3081** Enviro Biotech; **MICR3071** Enviro Micro; **CHEM3901** Enviro Toxicology.

Molecular Biotechnology: **BABS3021** Microbial Genetics; **BABS3281** Mol. Genomics; **BIOC3111** Mol. Biol of Proteins; **BIOC3271** Mol. Cell Biol 2.

STAGE 4

BIOTECHNOLOGY HONOURS

Research Project: 48 UOC (taken over two sessions each consisting of 24 UOC)

**FREE ELECTIVES &
GENERAL EDUCATION
(24 UOC)**

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

Free elective
6UOC

Free elective
6UOC

General
Education
6UOC

General
Education
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 with a major in Biotechnology.

Please direct any queries to the
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