# Degree planner — BE(Hons) in Chemical and Biological Engineering

If no point value is listed, papers are worth 15 points.

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*ENGEN951 Research Project is worth 30 points.

**ENGCB580 Process Engineering Design Project is worth 30 points.

### Year 1 Electives

- BIOMO101 Introduction to Molecular and Cellular Biology
- CHEMY101 Structure and Spectroscopy
- EARTH101 Introduction to Earth System Sciences
- EARTH102 Discovering Planet Earth
- ENGEN110 Engineering Mechanics
- ENGEN111 Electricity and Electronics
- PHYS101 Physics for Engineers and Scientists

### Year 2 Electives

- BIOMO201 Biochemistry
- CHEMY2XX 200 Level Chemistry
- EARTH2XX 200 Level Earth Sciences
- ENGMP213 Mechanics of Materials 1

### Year 3 Electives

- ENGMP311 Materials 2
- ENGEV341 Environmental Engineering 2
- ENGEN380 Special Topics in Engineering
- BIOMO2XX 200 Level Molecular and Cellular Biology or BIOMO3XX 300 Level Molecular and Cellular Biology
- CHEMY2XX 200 Level Chemistry or CHEMY3XX 300 Level Chemistry
- EARTH2XX 200 Level Earth Sciences or EARTH3XX 300 Level Earth Sciences

### Year 4 Electives

- ENGCB523 Advanced Energy Engineering
- ENGCB527 Advanced Biological Engineering
- ENGMP311 Advanced Materials Engineering
- ENGEV541 Advanced Water and Waste Water Engineering
- ENGEV542 Waste Minimisation Engineering
- ENGME580 Product Innovation and Development
- ENGEN590 Special Topics in Engineering
- ENGX3XX 300 Level Engineering

Note: Second Year includes ENGEN271: Work Placement 1, and Third Year includes ENGEN371: Work Placement 2, which are compulsory but are 0-point papers. Placements are usually taken over the Summer period from November to February.