

2021 Study Plan Template

Bachelor of Engineering (Robotics) (Honours)

Please note that this document is provided as a guide only. Students are responsible for ensuring that they have completed 144 units of study according to the official course rule available at <https://students.flinders.edu.au/my-course/course-rules/undergrad/bengrh>

Students are responsible for planning their Core and Option Topics ahead to ensure they meet the topic prerequisites.

A list of all topics, including topic prerequisite information and alternate study period availabilities, is available at [Topics 2021](#)

Semester 1, 2021 start:

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|--------|-----|---|--|--|--|
| Year 1 | S1 | ENGR1721 Engineering Programming | ENGR1711 Engineering Design | ENGR1732 Engineering Mechanics | MATH1121 Mathematics 1A |
| | S2 | ENGR1201 Electronics | ENGR1401 Professional skills | ENGR1722 Engineering Physics and Materials | MATH1122 Mathematics 1B |
| Year 2 | S1 | COMP2711 Computer Programming 2 | ENGR2711 Engineering Mathematics | ENGR2731 Electronic Circuits | Year 2 Option topic^: |
| | S2 | ENGR2702 Electrical Circuits and Machines | ENGR2712 Automation and Industrial Control | ENGR2722 Analysis of Engineering Systems | ENGR2772 Sensors and Actuators |
| Year 3 | S1 | ENGR3701 Computer Organisation and Design | ENGR3711 Control Systems | ENGR3721 Signal Processing | ENGR3771 Robotic Systems |
| | NS1 | ENGR3750 Workplace Preparation (0 units) | | | |
| | S2 | ENGR3704 Project Management for Engineering and Science | ENGR3700 Engineering Practicum (13.5 units) or ENGR3710 International Engineering Practicum (13.5units) | | |
| Year 4 | S1 | ENGR7700A Honours Thesis (4.5/18 units) | ENGR7700B Honours Thesis (4.5/18 units) | ENGR7712 Autonomous Systems | Year 4 Option topic ^^ |
| | S2 | ENGR7700C Honours Thesis (4.5/18 units) | ENGR7700D Honours Thesis (4.5/18 units) | ENGR9742 Systems Engineering | Year 4 Option topic ^^ |

Semester 2, 2021 start:

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|--------|-----|--|---|--|--|
| 1 | S2 | ENGR1201 Electronics | ENGR1401 Professional skills | ENGR1722 Engineering Physics and Materials | MATH1121 Mathematics 1A |
| | S1 | ENGR1721 Engineering Programming | ENGR1711 Engineering Design | ENGR1732 Engineering Mechanics | MATH1122 Mathematics 1B |
| Year 2 | S2 | ENGR2702 Electrical Circuits and Machines | ENGR2712 Automation and Industrial Control | ENGR2722 Analysis of Engineering Systems | ENGR2772 Sensors and Actuators |
| | S1 | COMP2711 Computer Programming 2 | ENGR2711 Engineering Mathematics | ENGR2731 Electronic Circuits | Year 2 Option topic^: |
| | NS1 | ENGR3750 Workplace Preparation (0 units) | | | |
| Year 3 | S2 | ENGR3704 Project Management for Engineering and Science | ENGR3700 Engineering Practicum (13.5 units) or ENGR3710 International Engineering Practicum (13.5 units) | | |
| | S1 | ENGR3701 Computer Organisation and Design | ENGR3711 Control Systems | ENGR3721 Signal Processing | ENGR3771 Robotic Systems |
| Year 4 | S2 | ENGR7700A Honours Thesis (4.5/18 units) | ENGR7700B Honours Thesis (4.5/18 units) | ENGR9742 Systems Engineering | Year 4 Option topic ^^ |
| | S1 | ENGR7700C Honours Thesis (4.5/18 units) | ENGR7700D Honours Thesis (4.5/18 units) | ENGR7712 Autonomous Systems | Year 4 Option topic ^^ |

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|---------------------|--|
| Key: | |
| Core Topic | Compulsory topic |
| Option Topic | A choice from a list of specified topics (see below) |

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| ^ ENGR Year 2 Option Topics: ENGR2752 Mechanics of Machines ENGR2781 Mechanical Design Project | ^^ ENGR Year 4 Option Topics: ENGR7711 Advanced Control Systems ENGR7732 Instrument ENGER7761 Image Processing |
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