This study plan should be used to guide enrolment for the current academic year. Some students may need to modify their enrolment based on previous study (e.g. students granted advanced standing/credit, students repeating previously failed courses).

### BACHELOR OF ENGINEERING (HONOURS) (MECHANICAL AND AEROSPACE)

#### YEAR 1
- **S1**
  - C&ENVENG 1010 Engineering Mechanics - Statics (3 units)
  - ELEC ENG 1009 Electrical & Electronic Engineering IA (3 units)
  - MATHS 1011 Mathematics IA (3 units)
  - MECH ENG 1102 Introduction to Aerospace Engineering (3 units)

- **S2**
  - CHEM ENG 1009 Materials I (3 units)
  - MECH ENG 1006 Design Graphics & Communication (3 units)
  - MATHS 1012 Mathematics IB (3 units)
  - MECH ENG 1007 Engineering Mechanics - Dynamics (3 units)

#### YEAR 2
- **S1**
  - MATHS 2201 Engineering Mathematics IIA (3 units)
  - MECH ENG 2020 Materials & Manufacturing (3 units)
  - MECH ENG 2021 Thermo-Fluids I (3 units) plus MECH ENG 2501 Level 2 Prac
  - MECH ENG 2100 Design Practice (3 units) plus MECH ENG 2501 Level 2 Prac

- **S2**
  - MATHS 2202 Engineering Mathematics IIB (3 units)
  - MECH ENG 2002 Stress Analysis & Design (3 units) plus MECH ENG 2502 Level 2 Prac
  - MECH ENG 2019 Dynamics & Control I (3 units) plus MECH ENG 2502 Level 2 Prac
  - MECH ENG 2101 Mechatronics IM (includes Workshop Practical) (3 units) plus MECH ENG 2502 Level 2 Prac

#### YEAR 3
- **S1**
  - MECH ENG 3026 Aerospace Materials & Structures (3 units)
  - MECH ENG 3100 Aeronautical Engineering (3 units) plus MECH ENG 3501 Level 3 Prac
  - MECH ENG 3102 Heat Transfer & Thermodynamics (3 units) plus MECH ENG 3501 Level 3 Prac
  - MECH ENG 3105 Sustainability & the Environment (3 units)

- **S2**
  - MECH ENG 3027 Engineering Systems Design & Communication (3 units)
  - MECH ENG 3028 Dynamics & Control II (3 units) plus MECH ENG 3502 Level 3 Prac
  - MECH ENG 3101 Applied Aerodynamics (3 units) plus MECH ENG 3502 Level 3 Prac
  - MECH ENG 3104 Space Vehicle Design (3 units) plus MECH ENG 3502 Level 3 Prac

*course not available in 2015*
### YEAR 4

**S1**

- **MECH ENG level 4 Elective Course (3 units)**
- MECH ENG 4106 Aerospace Propulsion (3 units) **plus** MECH ENG 4501 Level 4 Prac
- MECH ENG level 4 Elective Course (3 units)
- MECH ENG 4143A Honours Project Part A (3 units) **plus** MECH ENG 4501 Level 4 Prac

**S2**

- MECH ENG 4108 Aircraft Design (3 units)
- MECH ENG 4100 Advanced Topics in Aerospace Engineering (3 units)
- MECH ENG 4143B Honours Project Part B (6 units) **plus** MECH ENG 4502 Level 4 Prac

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**CHOOSE FROM THE FOLLOWING ELECTIVES**

*Elective Choices: Students may present any Level 4 MECH ENG Elective Courses as provided in the program rules for the Bachelor of Engineering (Honours)(Mechanical).*