

## Course Description

Both Preliminary and HSC courses offer students knowledge, understanding and skills in aspects of engineering that include communication, engineering mechanics/hydraulics, engineering materials, historical/societal influences, engineering electricity/electronics, and the scope of the profession. Students study engineering by investigating a range of applications and fields of engineering.

## Main Topics Covered

### Preliminary Course

Students undertake the study and develop an engineering report for each of 5 modules:

- three application modules (based on engineered products). At least one product is studied from each of the following categories: household appliances; landscape products; and braking systems
- one focus module relating to the field of Bio-Engineering
- one school-based elective module.

### HSC Course

Students undertake the study and develop an engineering report for each of 5 modules:

- three application modules (based on engineered products). At least one product is studied from each of the following categories: civil structures; personal and public transport; and lifting devices
- two focus modules relating to the fields of Aeronautical Engineering and Telecommunications Engineering.

## Particular Course Requirements

Students develop an engineering report for each module studied. At least one report in each of the Preliminary and the HSC courses must be the result of collaborative work.

**Faculty:** TAS

**BOS Course No:** 15120

2 units for each of Preliminary and HSC Board Developed Course.

**Exclusions:** Nil

