List A Electives

- AENG200 History of Architectural Design
- AENG201 Architectural Engineering Design 1: Net Zero Energy Houses
- CHEM103 Chemistry for Engineers
- CIVL201 Computer Modelling in Civil Engineering
- CIVL322 Hydraulics and Hydrology
- CIVL365 Principles of Foundation Engineering
- CIVL463 Applied Geotechnical Engineering
- CSCI291 Programming for Engineers
- ENVE220 Water Quality and Ecological Engineering
- ENVE221 Air and Noise Pollution Control Engineering
- ENVE420 Water Resources Engineering
- ENGG439 Engineering Logistics and Operations Management
- ENGG440 Strategic Management of Engineering
- ENGG457 Engineering Project B
- ENGG472 Humanitarian Engineering

or other approved Engineering Electives

List B Electives

List B electives are common to all majors for the Bachelor of Engineering (Hons) and listed here: Elective B list

Students can do a minor by completing 24 CP from any other engineering discipline. For the Faculty Minor of study, please refer to URL:
https://courses.uow.edu.au/courses/current/1856
Bachelor of Engineering (with Mining Minor)

Civil, Environmental, Materials or Mechanical Engineering and Geology majors can graduate with Mining Engineering minor on completion of the following recommended mining subjects in lieu of list A and B electives. A minor in Mining Engineering may help in securing jobs in the mining industry.

BE(Hons) Civil, Environmental, Materials or Mechanical Engineering major 168 cp

Year 1
48 Credit points (cp) common core

Year 2
48 Credit points (cp) major offerings

Years 3 and 4
72 Credit points (cp) major offerings

Approved mining minor replacing 24 cp List A and B electives

At least 6 cp from:
- MINE220 Underground mining methods
- MINE211 Surface mining methods

12 to 18 cp from:
- MINE312 Mine ventilation (Autumn-odd year)
- MINE322 Foundations of mine planning (Autumn-odd year)
- CMEA323 Rock Mechanics (Spring-even year)
- MINE325 Foundations of geometallurgy (Autumn-odd year)
- MINE411 Health and safety in mines (Autumn-odd year)
- MINE416 Mine valuation (Spring-even year)