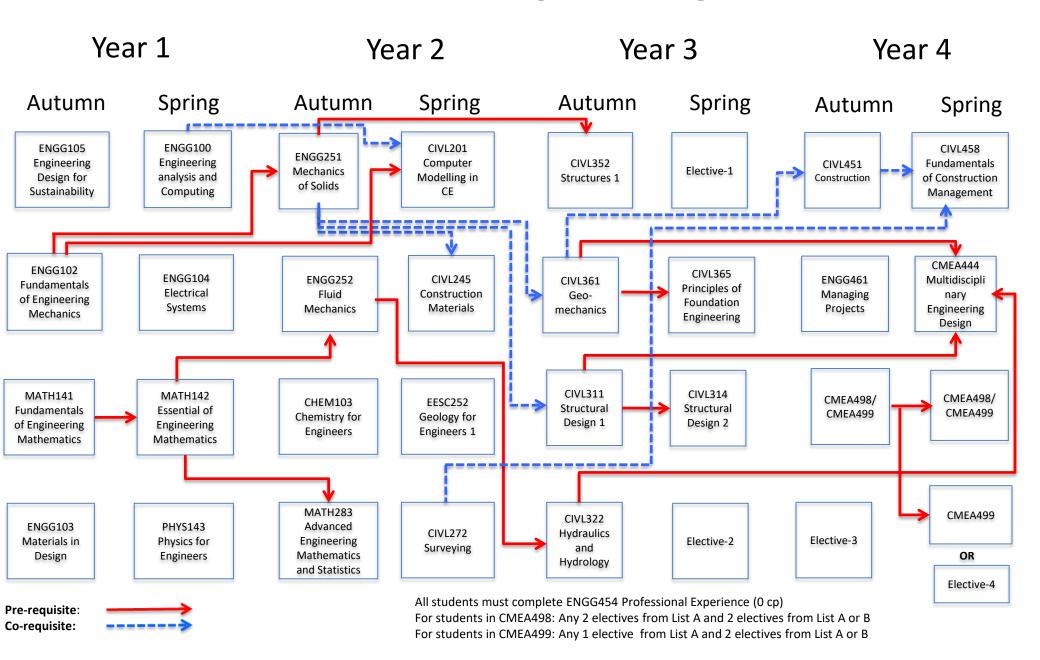
Bachelor of Engineering (Civil)



Electives for Civil Discipline

List A Electives

List B Electives

AENG200 History of Architectural Design

AENG201 Architectural Engineering Design 1: Net Zero Energy Houses

CSCI291 Programming for Engineers

CIVL491 Applied Finite Element Analysis for Civil Engineers

CIVL489 Sustainable Road & Transport Engineering

CIVL454 Structures 2

CIVL463 Applied Geotechnical Engineering

ENVE220 Water Quality and Ecological Engineering

ENVE221 Air and Noise Pollution Control Engineering

ENVE311 Pollution Control and Cleaner Production

ENVE320 Environmental Engineering Design for Sustainability

ENVE377 Membrane Science and Technology

ENVE420 Water Resources Engineering

ENVE410 Site Remediation Engineering

ENGG433 Financial Management for Engineers

ENGG439 Engineering Logistics and Operations Management

ENGG440 Strategic Management of Engineering

ENGG472 Humanitarian Engineering

MINE211 Surface Mining Methods

MECH426 Storage, Flow and Mechanical Conveying of Bulk Solids

ENGG210 Building Physics and Building Services

ENGG310 Building Information Modelling for Engineers

AENG301 Architectural Engineering Design 2

CMEA234 Computer Applications for the Workplace

HUMA272 Humanitarian Studies

MECH372 Solids Handling and Process Engineering

or other approved Engineering 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. Please refer to

https://courses.uow.edu.au/courses/current/1856

Bachelor of Engineering (with Civil Engineering Minor)

Mining, Environmental, Materials or Mechanical Engineering and other majors can graduate with Civil Engineering minor on completion of the following recommended civil engineering subjects in lieu of List A and List B electives. A minor in Civil Engineering may help in securing jobs in the civil engineering 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 civil minor replacing 24 cp List A and B electives

At least 6cp from this list

CIVL201 Computer Modelling in Civil Engineering

CIVL245 Construction Materials

CIVL272 Surveying

12 to 18 cp from the following to ensure students complete 24 cp

(note some subjects have pre and co-requisites).

CIVL352Structures 1

CIVL361Geomechanics

CIVL311 Structural Design 1

CIVL322 Hydraulics and Hydrology

CIVL451 Construction

CIVL458 Fundamentals of Construction Management

CIVL365 Principles of Foundation Engineering

CIVL491 Applied Finite Element Analysis for Civil Engineers

ENVE420 Water Resources Engineering