

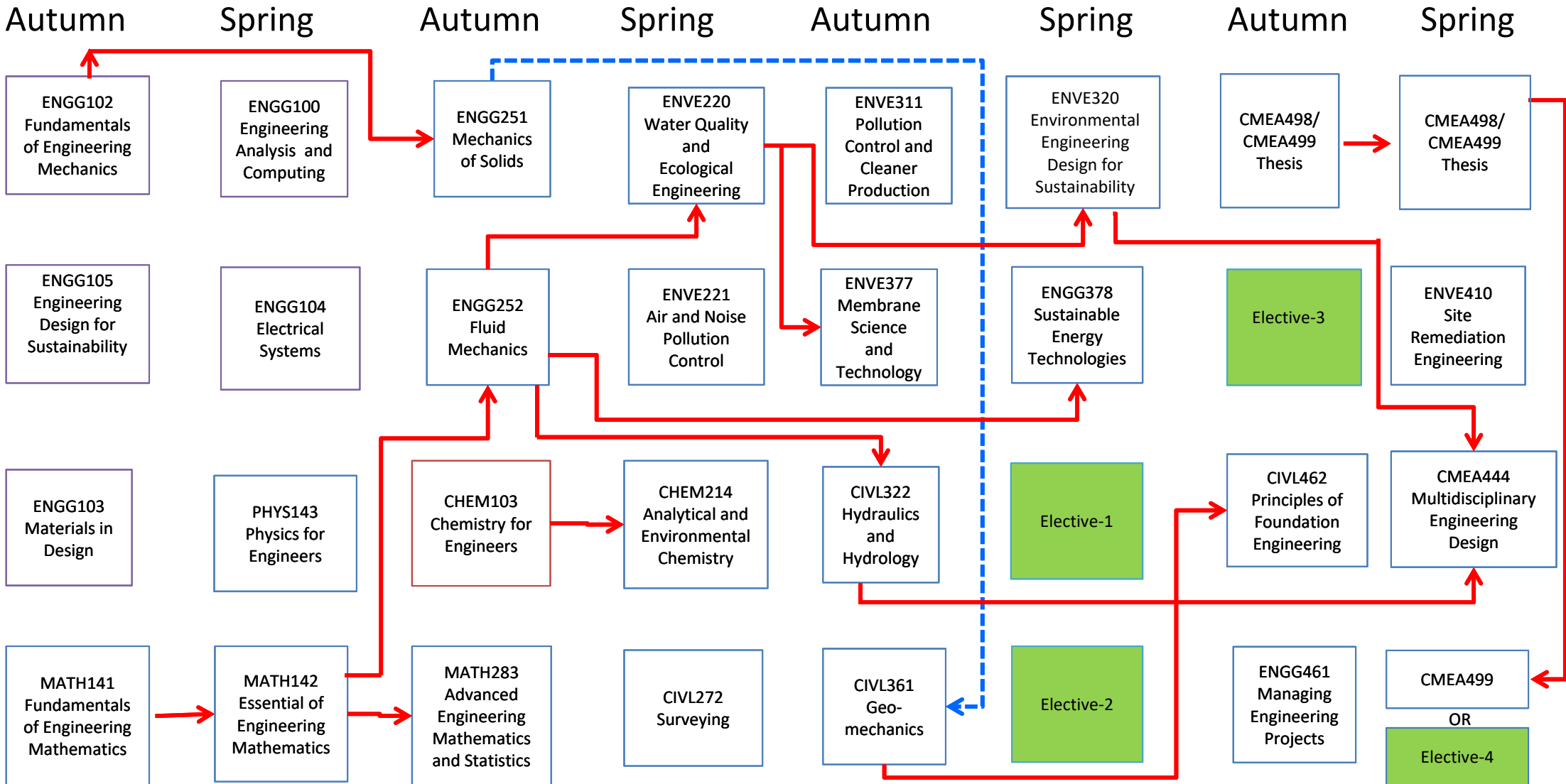
Bachelor of Engineering (Environmental) degree map 2022

Year 1

Year 2

Year 3

Year 4



All students must complete ENGG454 Professional Experience (0 cp)

For students in CMEA498 :

For students in CMEA499:

Any 2 electives from List A and 2 electives from List A or B

Any 2 electives from List A and 1 elective from List A or B

Electives for Environmental Discipline

List A electives

| | | | |
|----------------|--|---|--------|
| <u>ENVE420</u> | Water Resources Engineering | 6 | Spring |
| <u>AENG200</u> | History of Architectural Design | 6 | Autumn |
| <u>AENG201</u> | Architectural Engineering Design 1: Net Zero Energy Houses | 6 | Spring |
| <u>CIVL201</u> | Computer Modelling in Civil Engineering | 6 | Spring |
| <u>CIVL311</u> | Structural Design 1 | 6 | Autumn |
| <u>CIVL314</u> | Structural Design 2 | 6 | Spring |
| <u>CIVL352</u> | Structures 1 | 6 | Autumn |
| <u>CIVL394</u> | Construction | 6 | Spring |
| <u>CIVL463</u> | Applied Geotechnical Engineering | 6 | Spring |
| <u>CSCI291</u> | Programming for Engineers | 6 | Autumn |
| <u>CMEA234</u> | Computer Modelling for the Workplace | 6 | Spring |
| <u>ENGG439</u> | Engineering Logistics and Operations Management | 6 | Spring |
| <u>ENGG440</u> | Strategic Management of Engineering | 6 | Autumn |
| <u>MECH442</u> | Sustainable Energy in Buildings | 6 | Spring |
| <u>ENGG447</u> | Advanced Building Design for Energy Efficiency and Sustainability | 6 | Autumn |
| <u>ENGG472</u> | Humanitarian Engineering | 6 | Autumn |
| <u>MINE211</u> | Surface Mining Methods | 6 | Autumn |
| <u>MINE325</u> | Foundations of Geometallurgy | 6 | Autumn |
| <u>EESC252</u> | Geology for Engineers I | 6 | Spring |

Or, other approved Electives

List B electives

A full list of List B electives can be found via this link.
<https://courses.uow.edu.au/courses/current/1856>

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 Environmental Minor)- MIN3019

The minor in Environmental Engineering requires satisfactory completion of 24 credit points:

- i) Select 12 credit points from the CORE list and
- ii) Select 12 credit points from the ELECTIVE list
- iii) If you are taking a major in Environmental Engineering, you cannot select this minor.
- (iv) No more than 1 subject from the core of the degree requirements for the student's major can be counted in the minor study.

A minor in Environmental Engineering can also assist in providing a competitive edge in graduate employment opportunities.



| | | |
|---|---|------|
| CORE 12 credit points | ENVE220 Water Quality and Ecological Engineering | 6 cp |
| | ENVE221 Air and Noise Pollution Control Engineering | 6 cp |
| ELECTIVE 12 credit points (Complete any 2 subjects from this list) | ENGG252 Engineering Fluid Mechanics | 6 cp |
| | ENVE311 Pollution Control and Cleaner Production | 6 cp |
| | ENVE377 Membrane Science and Technology | 6 cp |
| | ENVE410 Site Remediation Engineering | 6 cp |
| | ENVE320 Water Resources Engineering | 6 cp |
| | CIVL322 Hydraulics and Hydrology | 6 cp |