WHAT IS ENVIRONMENTAL ENGINEERING?

Our graduates have varied and diverse career options.

The demand for environmental engineers with a practical impact on our health and quality of life continues to grow. Environmental engineering is robust with no signs of slowing down, and the demand for graduates is expected to increase. Graduates are required in a variety of organisations, including:

- engineering consulting firms
- industries that need cleaner production systems – mining, chemical, food processing, etc.
- private and public authorities that supply drinking water and treat domestic wastewater
- companies that treat or dispose of hazardous waste
- government agencies that monitor and regulate environmental issues
- universities that teach and conduct research on environmental issues
- international agencies that aid developing nations
- local government authorities.

Further information

eng.monash.edu
1800 MONASH (1800 606 276)

The information in this brochure was correct at the time of publication (July 2016). Monash University reserves the right to alter the information about courses and fees. You should always check with the relevant Faculty office when considering a course.

ENVIRONMENTAL ENGINEERING AT MONASH

The environmental engineering course at Monash is multidisciplinary, providing the necessary skills to solve, implement and manage engineering activities from a sustainability perspective. You can select from four streams and choose complementary units from geography, science, or arts.

ELECTIVE STREAMS

- WATER RESOURCES: water supply and sanitation, hydrology and catchment management, sustainable urban water systems.
- TRANSPORT & INFRASTRUCTURE: sustainable transport systems, infrastructure design, green buildings.
- GEODR/ENVIROMENTAL: land contamination & remediation, environmental geotechnics, foundation engineering.
- SUSTAINABLE PROCESSING: cleaner production technologies, sustainable resource processing, environmental technologies.

ENVIROMENTAL ENGINEERING DOUBLE DEGREES

ENVIRONMENTAL ENGINEERING SCIENCE

Adding a science degree provides greater depth on the physical processes underlying the environment. You can combine environmental engineering with physics, chemistry, environmental sciences, mathematics, geography and many others.

ENVIRONMENTAL ENGINEERS COMMERCE

You can combine environmental engineering with the business economics, management, finance and many others – all of which relate to the development of new engineering technologies, which can help increase productivity and reduce waste or our biophysical and social environments.

ENVIRONMENTAL ENGINEERING/ARTS

Study environmental engineering alongside languages, geography, development studies, and area studies – allowing you greater insight into the human aspects of current sustainable development opportunities or potential global careers.

ENVIRONMENTAL ENGINEERING/SCIENCE

Gain a much deeper understanding of the environment, including details about double degrees.

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CAREERS IN ENVIRONMENTAL ENGINEERING

Large projects in environmental engineering continue to provide many long-term job opportunities. Monash University, the CSIRO in interdisciplinary teams, and research and development organisations, not to mention a wide variety of management positions, are a few examples. Environmental engineers also work for large companies and industry, universities, and the CSIRO in interdisciplinary teams to manage environmental prospects through the application of scientific, engineering, and technical skills.

ELECTIVE STREAMS

- WATER RESOURCES
- TRANSPORT & INFRASTRUCTURE
- GEODR/ENVIROMENTAL
- SUSTAINABLE PROCESSING

ALL MONASH ENGINEERING SPECIALISATIONS CONSIDER SUSTAINABILITY, BUT AS AN ENVIRONMENTAL ENGINEERING STUDENT, IT WILL BE YOUR TOP PRIORITY

HOW TO APPLY

Domestic (Australian) and Overseas International students

Monash University is one of our undergraduate programs broccoli. Phone +61 3 9905 3404 or visit our Future Students website

Mr Andrew Kirk,粒粒 ring to Monash: monash.edu.au/our/future_students

ENQUIRIES

Contact Monash Engineering for a copy of our undergraduate programs brochure. Phone +61 3 9905 3404 or visit our Future Students website and talk with our career advisors. For more detailed information about the Bachelor of Engineering degree in environmental engineering, contact Monash University's engineering graduates to work in any country in the world who has also a signatory, without needing to re-qualify.

ENTRING THE ENVIRONMENTAL ENGINEERING BRANCH

After you have successfully completed your first year, you may apply for entry into the environmental engineering stream.

COURSE DETAILS

Location: Clayton

Indicative ATAR: 30
Indicative HE Score: 33+
Duration: 4 years
Degree awarded: Bachelor of Environmental Engineering (Honours)

VCE prerequisites (units 3 and 4)

30 English (EAL) + 25 Mathematics Methods (any) + 25 Chemistry or Physics

International baccalaureate subject prerequisites

4 English SL 3 Mathematics SL 1 Further Mathematics HL

3 Chemistry SL 5 English HL 4 Physics HL

3 Mathem. HL 5 Chemistry HL 4 Further Mathematics HL

3 Mathematics SL 5 Chemistry HL 4 Physics HL

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