Environmental Engineering offers a range of career options in creating sustainable solutions for environmental issues such as climate change, bushfire management, energy systems, water resources, and waste management.

**Environmental Engineering at Melbourne**

The Melbourne School of Engineering is the leading provider of engineering and IT education in Australia*.

Our professional master of engineering program is the first graduate program in Australia to offer accreditation from Engineers Australia and EUR-ACE®, enabling graduates to practice as engineers in Australia, Europe, the US, Singapore, Japan, and more.

The Master of Engineering (Environmental) provides depth, breadth and flexibility to a curriculum taught by world-class educators, access to industry based learning opportunities, and a generous program of scholarships.

Our environmental engineering programs include:

- Master of Engineering (Environmental)
- Master of Environmental Engineering
- Master of Philosophy (Engineering)
- Doctor of Philosophy (Engineering)

*No. 1 in Australia; No.18 in the world. QS World University Rankings by Faculty 2015-16.
Engineer a sustainable environment

After doing vacation work at environmental engineering company Alluvium, Amanda Shipp obtained a part-time role while she studied the Master of Engineering (Environmental). Amanda has since joined Alluvium on a full-time basis, working on urban water projects, such as designing wetlands and constructed waterways, modelling water quantity and quality, and assessing waterway health.

“I enjoy working on a variety of projects with people, who are industry leaders. The challenge of trying to engineer the environment, while working with it, rather than against it, is a great part of my job.”

Amanda Shipp
Environmental Engineer
Alluvium

Job Outlook

Engineering professionals are in demand, not only in Australia, but across the globe. With a rapidly growing population, the need for engineers will become more critical than ever to ensure our cities have adequate transport, power, water, telecommunications and healthcare.

Students are advised to begin building their employability skills whilst at university, to give themselves the best start to their careers. Visit the University Careers Service to find out more: careers.unimelb.edu.au

For more information about the job outlook for this sector, please visit the Australian Government’s Employment Projections and Job Outlook website: joboutlook.gov.au

For information about salaries, see: graduateopportunities.com

Sectors & Employers

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<th>ENVIRONMENTAL ENGINEERING SECTORS &amp; INDUSTRIES</th>
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<td>Catchment Management</td>
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<td>Resource Planning and Management</td>
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<td>Waste and Water Management</td>
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## Career Progression

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<th>GRADUATE</th>
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<td>Graduate Environmental Engineer</td>
<td>Air Pollution Control Engineer&lt;br&gt;Civil/Environmental Engineer&lt;br(Environmental Design Engineer&lt;br&gt;Environmental Engineer/Hydrogeologist&lt;br&gt;Environmental Engineer/Scientist&lt;br&gt;Environmental Field Engineer&lt;br&gt;Environmental Remediation Engineer&lt;br&gt;Environmental Engineer – Contaminated Land&lt;br&gt;Environmental Engineer – Infrastructure and Mining&lt;br&gt;Environmental Engineer - Land and Groundwater&lt;br&gt;Environmental Engineer – Manufacturing&lt;br&gt;Environmental Engineer - Mine Closure&lt;br&gt;Environmental Engineer – Oil and Gas&lt;br&gt;Environmental Engineer – Renewable Energy&lt;br&gt;Environmental Engineer – Transport and Drainage Planning&lt;br&gt;Environmental Engineer – Water Resources&lt;br&gt;Environmental Engineer – Waste/Landfill&lt;br&gt;Hazardous Waste Management Control Engineer&lt;br&gt;Project Environmental Engineer&lt;br&gt;Risk Assessor/Environmental Engineer&lt;br&gt;Tailings Environmental Engineer&lt;br&gt;Waste Management Engineer&lt;br&gt;Wastewater Treatment Engineer</td>
<td>Lead Environmental Engineer&lt;br&gt;Principal Environmental Engineer&lt;br&gt;Project Manager&lt;br&gt;Senior Manager&lt;br&gt;Senior Environmental Engineer</td>
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Alternative Careers
An engineering degree at the University of Melbourne gives you a solid technical and design foundation combined with strong analytical, problem solving and communication skills valued across a range of industries. Other areas our graduates have moved into include:
- Management consulting
- Finance, economics and banking
- Business analysis
- Project management
- Technical sales, marketing and communications
- Intellectual property management
- Technical writing
- Government and policy

Careers in Research
If you are passionate about a field of environmental engineering and would like to advance your research skills, enrolling in a graduate research degree could be a great option for you. Graduate research enhances your ability to problem solve, think autonomously and creatively, and analyse. Careers in research are diverse and may include:
- academic positions at universities;
- policy-making or research positions at public sector organisations;
- private sector research and development projects;
- self-employed consulting positions on technical or policy issues in your area of expertise.

Careers Services and Industry Links
Students undertaking our programs have access to a range of careers services, and benefit from a curriculum that offers excellent opportunities to connect with industry through:
- an elective internship subject
- student projects partnered with industry
- guest lectures led by industry leaders and experts
- site visits hosted by key organisations
- industry networking events
- career panels featuring industry representatives
- career question drop-in service
- an online jobs and internships portal