



THE UNIVERSITY OF
MELBOURNE

Melbourne School
of Engineering



ENVIRONMENTAL ENGINEERING CAREER PATHWAYS

➤ For more information, visit
eng.unimelb.edu.au

ENVIRONMENTAL ENGINEERING AT MELBOURNE

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.

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.

Environmental Engineering at Melbourne 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 \(Engineering\)](#)



Engineer a sustainable environment

Andrew John was offered a graduate position at Alluvium, after completing an internship with the environmental engineering company Alluvium. During the internship, Andrew furthered his knowledge of industry-standard design and modelling software while working on a range of engineering design projects.

“I’m looking forward to continuing my employment at Alluvium. I’m thankful I had the opportunity to experience professional engineering work whilst studying, as it gave me a leg-up into industry and expanded my exposure to contextual engineering issues.”

Andrew John
Graduate 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

*No.1 in Australia; No.28 in the world. QS World University Rankings by Subject 2017.
*QS World University Rankings by Subject 2016.



Sectors & Employers

ENVIRONMENTAL ENGINEERING SECTORS & INDUSTRIES		EXAMPLES OF EMPLOYERS	
Catchment Management	Resource Planning and Management	AECOM	Melbourne Water
Civil/Infrastructure	Oil and Gas	Alluvium	John Holland
Conservation and Natural Resource Management	Waste and Water Management	BHP Billiton	Shell
Energy		BP Australia	VicRoads
Mining		Coffey	
		GHD	
		Golder Associates	

Career Progression

GRADUATE	3-5 YEARS EXPERIENCE	10 YEARS
Graduate Environmental Engineer	Air Pollution Control Engineer	Environmental Engineer – Transport and Drainage
Junior Environmental Engineer	Civil/Environmental Engineer	Environmental Engineer – Water Resources
	Environmental Design Engineer	Environmental Engineer – Waste/Landfill
	Environmental Engineer/Hydrogeologist	Hazardous Waste Management Control Engineer
	Environmental Engineer/Scientist	Project Environmental Engineer
	Environmental Field Engineer	Risk Assessor/Environmental Engineer
	Environmental Remediation Engineer	Tailings Environmental Engineer
	Environmental Engineer – Contaminated Land	Waste Management Engineer
	Environmental Engineer – Infrastructure and Mining	Wastewater Treatment Engineer
	Environmental Engineer - Land and Groundwater	
	Environmental Engineer – Manufacturing	
	Environmental Engineer - Mine Closure	
	Environmental Engineer – Oil and Gas	
	Environmental Engineer – Renewable Energy	
		Lead Environmental Engineer
		Principal Environmental Engineer
		Project Manager
		Senior Environmental Engineer



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 electrical 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.

Employability Services and Industry Links

Students undertaking our programs have access to a range of employability 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



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