2017
Graduate Environmental Program
including the Master of Environment
Welcome to the Graduate Environmental Program

— Enjoy the flexibility to design a program that meets your professional goals and gives you the capacity to work across disciplines
— Specialise in one of 11 key environmental areas, or design your own specialisation
— Join a like-minded global student community and benefit from working with people across academic disciplines.
— Gain real-world experience through an internship or industry research project
Why choose the Graduate Environmental Program at the University of Melbourne?

The Graduate Environmental Program, offered by the Office for Environmental Programs (OEP) is a multidisciplinary postgraduate coursework program at the University of Melbourne. We offer flexible and challenging degrees that foster both depth and breadth of environmental knowledge:

— Master of Environment
— Graduate Diploma in Environment
— Graduate Certificate in Environment

BECOME AN ENVIRONMENTAL SPECIALIST

The program is the only truly multidisciplinary one of its kind in Australia, offering over 200 subjects from nine faculties at the University of Melbourne. The flexible structure means that you can either focus on one of our eleven specialist areas such as Climate Change, Energy Efficiency, Environmental Science, Conservation, or Education and Social Change; or design your own specialisation though our Tailored option.

In the Master of Environment, there are two core subjects: Sustainability Governance and Leadership (SGL)* and Interdisciplinarity and the Environment (IDE). The core subjects together create a framework for learning in the Graduate Environment Program, providing foundation knowledge and skills (in SGL) and professional capabilities and work readiness (in IDE). Both core subjects address broad environmental issues, challenges, and concepts at the forefront of academic knowledge and concern, and support the diverse specialisations undertaken by different students.

CAREERS

Whether you have just completed your undergraduate degree, are already an environmental professional or are considering a change of direction, a Graduate Environmental Program degree will give you the skills to help further your environmental career.

You will benefit from established partnerships with academic, community and industry groups globally that facilitate professionally relevant curriculum, industry-research, internship and networking opportunities and cross-cultural exchange.

Our graduates enter a wide range of rewarding careers in Australia and overseas including local, state and federal government, non-government organisations, environmental consultancy and management, community education and PhD research.

OUTSTANDING SUPPORT

At the Office for Environmental Programs, you will be warmly welcomed by our friendly team who strive to enrich your academic experience.

You will receive personalised academic advice to ensure that you are supported in meeting individual, career-focused learning objectives. By joining a cohort of diverse, passionate students from all over the world, you will also benefit from support and knowledge from your peers and have the opportunity to form new connections and networks.

* Sustainability Governance and Leadership is a core subject in the Graduate Diploma and Graduate Certificate.
Degree options

The Graduate Environmental Program has been designed for graduates from a variety of disciplines.

Whether you are a recent graduate with minimal or no work experience, a career-changer or a graduate with work experience looking to develop deeper knowledge in a specific area, we have a study option that will work for you. There are flexible entry points, part time options and a number of subjects available as intensives.

If you are not sure what your best study option is, please contact us and we’d be happy to help guide you.

For more details on entry and degree requirements please visit:
www.environment.unimelb.edu.au

<table>
<thead>
<tr>
<th>Degree option</th>
<th>Suitable for</th>
<th>Course duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Environment 200 points</td>
<td>Graduates who have completed a relevant 3 year undergraduate degree (65% average required)</td>
<td>2 year full time (typically 16 subjects). Part time study available for eligible students</td>
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<tr>
<td></td>
<td>Choose from tailored specialisation or one of 11 named specialisations, depending on your academic background</td>
<td>Course duration will be reduced if credit is awarded.</td>
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<td>Graduates who have completed a relevant Australian honours degree or equivalent, and can demonstrate completion of a significant independent research project as part of the degree are eligible for 100 points of credit (advanced standing)</td>
<td>1 year pathway available for eligible students</td>
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<td></td>
<td>Credit (advanced standing) may be granted in recognition of prior learning or relevant professional work experience</td>
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<tr>
<td>Graduate Diploma in Environment 100 points</td>
<td>Graduates who have completed a relevant 3 year undergraduate degree (65% average required)</td>
<td>1 year full time. Part time study available for eligible students</td>
</tr>
<tr>
<td>Graduate Certificate in Environment 50 points</td>
<td>Graduates who have completed a relevant 3 year undergraduate degree (65% average required)</td>
<td>6 months full time. Part time study available for eligible students</td>
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</table>
Employment opportunities in this field are diverse and growing as Government, businesses and industry sectors respond to environmental challenges in the areas of climate change, energy and sustainability. Equipped with the ability to work across a range of discipline areas, and with a deep understanding of your core discipline, you will be highly valued and have the opportunity to work both locally and internationally.

Employers of our graduates include: Melbourne Water, VicSuper, Arup, URS Corporation, Aurecon, EY consulting, Department of Sustainability and Environment, and the EPA.

**MAKING A DIFFERENCE:**

**KAKAU FOLIAKI**
Kakau, who comes from Tonga and received an Australia Awards scholarship to study the Masters, focussed his study on energy efficiency and sustainable design of buildings.

His research project involved developing a guide for sustainable design in Tonga’s built environment with an emphasis on regenerative design. He’s now back in Tonga leading the energy efficiency section in the Department of Energy, developing the first national energy efficiency policy to cover transport, electricity and buildings.

“I know for sure that we’ll do a lot of good, and we can change the world, and then we’ll be remembered as the generation who made the impossible possible.”

**THE ENVIRONMENTAL ENTREPRENEUR:**

**KUNAL KHANNA**

Coming from a Commerce and Economics background, the diversity in the Masters of Environment course was exactly what I needed to form an extremely well rounded knowledge base for a future career.

I focused on relating environment and sustainability to business, particularly in the social enterprise space. I did a tailored program and undertook courses in architecture, science, horticulture and agriculture among others, which helped me form the right mindset to create change in an holistic manner.

I now work full time in the innovation lab at the City of Melbourne where I look at new, innovative ways to solve not only environmental but all sorts of problems at the local government level.

“We’re looking for graduates with passion and enthusiasm. They have a chance to really make a difference in society. If graduates have an underlying vision for the future it is a great way to influence others and create change”

– CHRIS BUNTINE, AURECON GROUP

**FROM STUDENT TO EMPLOYER:**

**KIRSTEN SIMPSON**

Kirsten is currently the Corporate Responsibility Manager at Vic Super.

I graduated from the Masters of Environment a decade ago now, having been in one of the first rounds of students to complete the program. What I learnt in the Masters gave me a good grounding and understanding of how everything is connected. The world really is a very complex place. Most University degrees allow you to develop a set of specialised skills in a particular profession.

The Masters of Environment at Melbourne University is different. It allows you to take a step back so that you can take a look at the big picture.

Having these skills has helped me to get to where I am in my career today. It’s also something that I look for when I hire people to work in my team. In fact, I have hired many Melbourne University Masters of Environment graduates over the past decade, including in my team at VicSuper today.

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– CHRIS BUNTINE, AURECON GROUP
JIE FAN, CHINA
Master of Environment, Tailored specialisation, sustainable food focus
Undergraduate Pathway: Cultural Studies, Nottingham Ningbo University, China

The Master of Environment has helped me to move from my background in cultural studies to something that I am really interested in – sustainable food production. I enjoy being encouraged to tailor my own route of study, which has allowed me to gain critical viewpoints from different disciplines. There are also opportunities to gain practical experience from the built in internship subjects, which are extraordinarily valuable for me as an international student to be able to pursue my ideal career path.

Students and their course plans

Jie’s study plan

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
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<tbody>
<tr>
<td>Sustainability, Governance</td>
<td>Soil Science Management</td>
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<tr>
<td>Sustainable Food: Policy</td>
<td>Food Production for Urban Landscapes</td>
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<td>and Practice</td>
<td>Research Methods for Life Sciences</td>
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<td>Advanced Plant Breeding and Improvement</td>
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<td>Interdisciplinarity and the Environment</td>
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<td>Industry Internship</td>
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<td>Environmental Impact</td>
<td>Environmental Research and Law</td>
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<td>Assessment</td>
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<td>The Politics of Food</td>
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<td>Green Roofs and Walls</td>
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<tr>
<td>Sustainable Food Production</td>
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<tr>
<td>Designing Green Roofs and</td>
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<td>Walls</td>
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<td>Farms, Trees and Agroforestry</td>
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COURTLAND ADAMS, USA
Master of Environment, Climate Change specialisation
Undergraduate Pathway: Bachelor Environmental Science, US Military Academy

As a student who entered the Master of Environment Program without an exact career path in mind, I have found that the wide range of multidisciplinary courses have helped me crystallize my interests and given me ideas for how I can apply my newly gained knowledge in the future. Within the Climate Change specialisation, for example, I am able to choose from a multitude of subjects that allow me to explore new interests within my broader passion for sustainability and the environment. Ultimately, flexibility is what has made my graduate study so valuable.

Courtland’s study plan

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<td>Interdisciplinarity and the Environment</td>
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<td>Social Impact Assessment</td>
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<td></td>
<td>Sustainable Food Production</td>
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<td>Consumerism and the Growth Economy</td>
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<td></td>
<td>Industry Internship</td>
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<td>Climate Change and Mitigation</td>
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<td>Climate Change Modelling</td>
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<td>Project Management</td>
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<tr>
<td>The Politics of Food</td>
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<td>Sustainable Landscapes</td>
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<tr>
<td>Sustainability and Behaviour Change</td>
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Research Project
LUISA ANTONELLA FURLATO CORTEZ, ECUADOR
Master of Environment, Tailored specialisation
Undergraduate pathway: Bachelor of Law, Universidad San Francisco de Quito, Ecuador.

After working as a lawyer in the Environmental Agency in Ecuador I wanted to learn additional skills that allowed me to be an expert in environmental fields and be able to combine technical skills with my legal knowledge. A highlight was my internship in Germany at the IUCN which not only solidified the skills learned thought the program, but also led to me being hired as a consultant in an NGO. The different experiences throughout this Masters has given me a sense of empowerment to go back to my country and contribute with my newfound knowledge to make changes in Latin America.

OLIVER HILL, AUSTRALIA
Master of Environment, Governance, Policy and Communication specialisation. Undergraduate pathway: Bachelor of Science (Geology), University of Western Australia.

I began the Masters of Environment program to transition into an area of study which is increasingly important for the future of our natural and built environments. How people interact with each other and the planet which we rely upon shapes modern governance and policy, which has been the focus of my studies. This in turn has led me to pursue the numerous extra-curricular lectures, hackathons and events supported by the University of Melbourne, culminating in the leadership of the Postgraduate Environment Network.

Luisa Antonella’s study plan

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Sustainability, Governance and Leadership</th>
<th>Climate Affairs</th>
<th>Climate Change Policy</th>
<th>Environmental Policy</th>
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<tbody>
<tr>
<td>Adapting to Climate Change</td>
<td>Energy for Sustainable Development</td>
<td>The Politics of Food</td>
<td>Project Management</td>
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</table>

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<tr>
<th>Year 2</th>
<th>Social Entrepreneurship</th>
<th>Forests and Water</th>
<th>Environmental Policy Instruments</th>
<th>Forest in the Asia Pacific Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interdisciplinarity and the Environment</td>
<td>International Internship: Development</td>
<td>Forests, Carbon and Climate Change</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Sustainability, Governance and Leadership</th>
<th>Environmental Impact Assessment</th>
<th>Sustainability and Behaviour Change</th>
<th>Contemporary Social Problems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Social Entrepreneurship</td>
<td>Community Natural Resource Management</td>
<td>International Internship: Development</td>
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<tr>
<th>Year 2</th>
<th>Foundation of Spatial Information</th>
<th>Science, Control and Public Policy</th>
<th>Political Ecology of Development</th>
<th>Environmental Policy Instruments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interdisciplinarity and the Environment</td>
<td>Environmental Policy</td>
<td>Environmental Law</td>
<td>Social Impact Assessment</td>
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</table>
Designing your graduate program

The Master of Environment gives you the option of choosing from one of our 12 specialisations including the tailored option.

The Tailored specialisation has the broadest range of subjects and can allow you to develop a particular area of interest, or explore an area of emerging environmental interest such as sustainable food or sustainable business practice. You will work with a course advisor to select subjects that fit with your academic background, interests and career aspirations, helping you become a specialist in your chosen field.

Named specialisations (e.g. Climate Change), are more specialised paths of study that have additional compulsory subjects and a narrower range of electives. Course advice is provided by an expert in the field.

Named specialisations provide:
— recognition of your specialisation on your academic transcript;
— a more structured program; and
— a focus which may be helpful if you are applying for a scholarship.

SUBJECT CLUSTERS
Alongside the specialisations, we have developed subject ‘clusters’ that can support navigation of the many electives available in the program and help:
— Define a specialist area of professional skills
— Define an area of specialisation within the tailored specialisation
— Complement your specialisation with knowledge of contemporary environmental issue, for example, food systems or urban greening.

CHOOSING SUBJECTS: ADVICE AND SUPPORT
With over 200 subjects and 12 specialisations to choose from, it can be difficult to know where to start. At the Office Environmental Programs you will be closely guided through the process of selecting subjects (course planning) to help you develop a plan that fits with your academic background, interests and career objectives.

Before you finalise your study plan you will meet with one of our course advisors – all specialists in multidisciplinary education – to discuss your subject selection. They can help you make the right choices and help you get the most out of the program.

Topics covered during the course planning process include:
— when to take the core subjects and how they can add value to your study plan;  
— what Capstone experience is right for you; 
— how to manage subject clashes; 
— information on how to use the student portal to manage your enrolment. 
— clarifying your academic and career objectives; and
— matching subjects to your personal learning goals.

You can also meet with an advisor as required as you progress through your degree.

Professional Skills Clusters

|  — Research |
|  — Sustainable Business |
|  — Environmental Assessment & Risk Management |
|  — Social Change |
|  — Project Management |
|  — Spatial Analysis |
|  — Environmental Modelling |
|  — Policy Development and Governance |
|  — Communication |

Knowledge Theme Clusters

|  — Food Systems |
|  — Climate Change |
|  — Renewable Energy |
|  — Sustainable Forests |
|  — Urban Greening |

NICK HORSBURGH, NEW ZEALAND
Master of Environment, 2 year program, Tailored specialisation

“With a background in Psychology and Environmental studies, the Master of Environment program has not only allowed me build upon my existing knowledge and passion for addressing environmental issues, but also to combine this knowledge with an additional focus on sustainable business and clean energy. The flexibility within the degree structure, and particularly within the tailored specialisation, allowed me the freedom to explore these interests.”
Specialisations

NAMED SPECIALISATIONS
— have additional compulsory subjects;
— have a narrower range of electives; and
— will allow you to get instantly recognised as having knowledge in your field.

Your acceptance into a specialisation will depend on your field of previous study and/or relevant work experience.

Subjects available and required for each specialisation are kept up-to-date in the University handbook.
www.handbook.unimelb.edu.au

TAILORED SPECIALISATION

The freedom to explore your interests

Employers in the environmental sector seek graduates who are able to integrate knowledge across disciplines, collaborate effectively in cross-disciplinary teams, and translate information for different audiences. New areas of environmental specialisation are emerging that require synthesis of knowledge from historically distinct fields, for example combining a knowledge of environmental sustainability with business entrepreneurship, or drawing on knowledge of public health to improve landscape planning processes, or practices that require advanced knowledge of both energy systems and environmental law.

The tailored specialisation is designed to support students to develop skills for integration, collaboration and translation while gaining depth of knowledge in one or more fields of inquiry.

The flexible structure enables students to tailor subject selection to meet personal learning objectives, developed in consultation with an academic advisor.

Example: Focus on Food

Understanding Sustainable Food Systems requires a knowledge of the networks that integrate multiple components in order to enhance a community’s environmental, economic and social well-being. You can choose subjects such as the Politics of Food, Sustainable Landscapes and Nutrition, Politics and Policy to develop your understanding in this area.

Climate Change

Climate change mitigation and adaptation are increasingly being integrated into business management, government policy and technology design, requiring expertise in a range of fields including international conventions, strategic government and business policy, climate science, energy technology, economic analysis and management.

Effective solutions therefore require a new generation of policymakers, managers and scientists equipped with a multidisciplinary understanding of climate change issues.

DESIGNED FOR
The Climate Change specialisation is ideal for students seeking an interdisciplinary perspective on climate change, for work in policy-making or business advisory roles. Graduates will be well-placed to offer leadership through a solid understanding of: theoretical and practical applications of policy and science; technological limits, potentials and risks; and the value of addressing a wide-ranging global environmental issue from a trans-disciplinary perspective.

CAREER OUTCOMES
This specialisation presents an opportunity for students to establish extensive networks with fellow climate change professionals across a broad range of industries, sectors and fields of endeavour. Graduates of this specialisation can expect to find employment in State and Federal Government authorities, environmental consulting companies, business advisory and strategic policymaking positions worldwide.
Conservation and Restoration

Biodiversity loss is one of the key environmental challenges globally. Sustainable societies depend on successful conservation and restoration of this diversity, at genetic, species, community and landscape scales.

This specialisation explores the biophysical and social factors shaping endeavours to conserve and restore wildlife and vegetation. Students will develop skills for planning and managing biodiversity at species, community and landscape scales. The cross-faculty teaching program ensures students have a sound understanding of the ecological principles underpinning conservation and restoration, and an appreciation of the political and community dimensions of establishing and implementing these plans.

DESIGNED FOR
Students with undergraduate studies and/or professional work experience in life sciences, forestry, natural resource management, agriculture, parks and wildlife management, and environmental engineering. It is also an appropriate major for government and industry professionals working in conservation and development who are looking to upgrade or link their skills to environmental management.

CAREER OUTCOMES
Graduates can expect to find employment in regulatory agencies, local and state government authorities, environmental consulting companies, and industries with international interests in developing economies.

Development

There is a complex relationship between development processes and the natural environment, in developing economies and in both urban and rural areas.

The Development specialisation analyses and provides skills necessary for the sustainable development of economies and environments. Understanding ‘environment and development’ draws upon the inter-faculty expertise at the University of Melbourne.

Students will study rural and urban landscapes and look at issues including international development policy, carbon sequestration in the tropics, the political ecology of development, food security, biodiversity conservation, urban growth and planning, and sustainable livelihoods.

DESIGNED FOR
Students with an undergraduate degree in a wide range of disciplines including arts and humanities, social sciences, management, health and education. It may also interest business and government professionals and those working in NGOs.

CAREER OUTCOMES
This specialisation is a platform for business and government professionals and those working or wishing to work in the non-governmental sector. Students will acquire skills for implementing sustainable development strategies in developing countries and in the western world.
Education and Social Change

The creation of sustainable societies depends on fostering social change, whether through education, organisational and policy change or changes of individual behaviour. The Education and Social Change specialisation develops knowledge and skills in education and change processes, enabling graduates to become agents of change within their organisations, communities and institutions, and to foster these skills in others. Students will develop knowledge of historical, philosophical, socio-cultural, and psychological influences on environmental decision making and action.

DESIGNED FOR
Students and professionals from a range of backgrounds interested in developing skills for social transformation for sustainability, drawing on studies in community organisation, project management, conflict resolution, and communication.

CAREER OUTCOMES
Students can expect to find employment in positions related to education and social change, such as environmental training officer positions in corporations, government agencies, in consulting companies, in teaching and in development agencies.

Energy Efficiency Modelling and Implementation

Energy modelling and implementation for buildings has become an important area in the light of growing concerns about climate change, energy security and the general need to adopt more sustainable practices.

The realms of energy knowledge required include heating and cooling requirements, as well as use of day lighting and natural lighting. Develop skills to reduce the risk in the integration of innovative sustainability initiatives. This risk reduction centres on assurances of performance and delivery of desired sustainability outcomes.

DESIGNED FOR
Students wanting to combine a mix of building management, architecture, engineering, management, and education and communication subjects.

Energy modelling is a key tool for the development and adoption of energy efficiency in new and existing buildings. This course develops the skills of complex modelling informed by an understanding of the results ensuring the graduate has the ability to both interpret and communicate outcomes effectively.

CAREER OUTCOMES
Despite the obvious need for people with such knowledge, there is a severe shortage of people that are trained in energy modelling who have the capacity to interpret the modelling results to effective practice, and employment prospects are good.

The types of employment taken up by previous graduates include sustainable building consultants, designers with a specialisation in high performance buildings, academic positions in research groups looking at renewables and energy efficiency in buildings.
Environmental Science

This specialisation examines how science can help understand and address environmental management problems, emphasising: the role of quantitative methods in environmental science; the skills required to analyse and model environmental systems and processes; and a high level of ability to analyse and evaluate environmental issues.

Students will focus on professional practice for the private and government sectors and can gain real-world experience through internship and industry-based research subjects.

DESIGNED FOR
Students seeking an interdisciplinary scientific perspective. A background in one of the following areas is generally required: Biology, Chemistry or Earth Sciences. Students with good applied quantitative skills in other disciplines, e.g. Engineering will also be considered for this specialisation.

CAREER OUTCOMES
Graduates should be well placed to offer leadership in a wide variety of scientific and environmental careers through a solid understanding of environmental modelling, monitoring and assessment techniques, and application of technology.

Governance, Policy and Markets

Who drives the laws that determine our environmental future? And how can positive change be effectively communicated, or policy influenced through regulation, better governance and the media?

The development and marketing of environmental policy is vitally important in effecting changes in government, corporate bodies, and across the environmental sector. The Governance, Policy and Markets specialisation looks at existing national and international legal and political frameworks relevant to the environment, enhances your skills in policy-making, business management and marketing; and gives you the tools to incorporate these skills and work systems in the workplace.

DESIGNED FOR
Professionals engaged in helping organisations develop economically viable environmental agendas and communicating these effectively to the public, or for those wishing to enter this sector.

CAREER OUTCOMES
Students can expect to find employment in a wide range of organisations such as government authorities, environmental consulting companies and sustainability roles in business organisations.
Integrated Water Catchment Management

With global climate change and more extreme weather conditions, water catchments have never been under more pressure, and professionals with skills in their management are in high demand.

Catchment management involves the integration of sound biophysical information with social and economic analysis. This is used to achieve the best outcomes for a catchment’s natural resources and the people who live and work there.

Students studying this specialisation will look into the functioning of catchments and the constraints to improving catchment management; particularly, how these constraints can be eased.

DESIGNED FOR
Integrated Water Catchment Management is appropriate for professionals working in soil and water regulation, land management, and conservation in the private and public sectors. It is suitable for students with a first degree in physical science, life science, social science, engineering, forestry, horticulture or agriculture. Professional geologists, natural resource scientists and managers who wish to gain advanced knowledge of catchment management strategies in urban and rural environments would also benefit from studies in this field.

CAREER OUTCOMES
Students may find employment in regulatory agencies, local and state government authorities, environmental consulting companies, and industries concerned with land development, recreation and tourism.

Environment and Public Health

At this time in history it is hard to imagine a topic more important than the impacts of the environment on human health. The very life support systems of clean air, fresh water, a safe climate, food security and biodiversity are under stress.

The Environment and Public Health specialisation is designed to ensure students are preparing for a career in the intersection between health and the environment. Recent years have seen new roles emerging that focus on policy, advocacy, research, and environmental management in relation to health and environment. This specialisation helps prepare students for these key roles.

You will learn skills related to environmental health practice and public health practitioners including surveillance, monitoring, observation, analysis, and selected techniques in biostatistics, epidemiology and health economics. Other skills are more specific to environmental health or environmental studies, such as environmental, social and health impact assessment and qualitative and quantitative analysis.

DESIGNED FOR
Students with some background in health or medicine. This specialisation is a specialist companion program to the Master of Public Health which is offered at the University of Melbourne.

CAREER OUTCOMES
You might expect to find employment in the health industry, government agencies, within the environmental and health sciences, consulting companies or development agencies.
Sustainable Cities, Sustainable Regions

Complex relationships exist between cities and the agricultural and natural environments on which they rely.

Sustainable Cities, Sustainable Regions examines such relationships and how they impact on urban, suburban, rural and regional dwellers in the 21st century at different scales, and applies sustainability concepts across various settings including the urban, rural and regional landscapes.

**DESIGNED FOR**
Professionals working in land management, extension, and planning agencies working and/or researching domestically or internationally, or students whose background equips them to move into advanced study of these issues.

**CAREER OUTCOMES**
Study in this specialisation leads to employment in regulatory agencies, local, state and national government, international and national consulting companies and industries. Students can expect to work in urban, rural or regional areas.

Waste Management

Waste is more than just what people throw in the bin. There are air-borne emissions, liquid wastes that impact on water supplies as well as the complex waste streams produced by industry that can have toxic impacts on the environment.

Waste Management is concerned with the management of various waste streams. This specialisation focuses on waste avoidance and minimisation, best environmental practice, and provides the tools for sound decision making at the design and implementation phases of waste management projects.

**DESIGNED FOR**
Students with an undergraduate degree in another discipline as a way to gain investigative and management skills as part of an engineering education, or those wanting to develop theoretical and practical skills for working in environmental control authorities, industry and elsewhere.

**CAREER OUTCOMES**
You can expect to find employment in environmental control authorities, urban and industrial workplaces, local government, education, or as an environmental consultant.
Subject highlights

**Sustainability Governance and Leadership (SGL)**

SGL is one of two core subjects for the Master of Environment course, and is designed to develop the knowledge and skills you will need to succeed as a sustainability leader in a world of complex challenges and global change. This subject provides you with a strong foundation in interdisciplinary understanding of critical concepts and issues, and how they relate to policy, management, leadership, and governance in a range of contexts and across different scales and sectors. You will learn to anticipate and envision environmental change, and design and implement strategic plans to manage impacts or create positive pathways.

Exploring the broad agenda of sustainable development, SGL considers concepts and principles fundamental to the understanding of interdependent human-nature systems, including ecology and biodiversity, social justice and equity, technology, and issues of global change.

- Different perspectives on sustainability;
- Global and local environmental challenges, including for water, energy, food, and human communities in relation their natural and built environments;
- Vulnerability and resilience in complex social-ecological systems;
- The processes of policy design and implementation in these areas;
- The economics of sustainability, and the role of business and innovation in building a sustainable future; and
- Recurring management, governance, and leadership issues for achieving environmental sustainability.

SGL includes extensive use of scenario-based learning and simulation activities.

**Interdisciplinarity and the Environment (IDE)**

IDE uses a discussion of interdisciplinary and collaborative research on the environment to examine broader questions about the contexts, forms, purposes and values of contemporary knowledge production for addressing environmental policy and management.

IDE asks:
- what types of knowledge, and whose knowledge, are currently used in environmental decision making, and to what effect?
- how does the way we frame environmental issues influence the kinds of knowledge that are seen as relevant to environmental decision making, and the kinds of solutions that we consider?
- what strategies can help environmental professionals meet the challenges of working across different disciplines, sectors, and ways of knowing?

In IDE, you will:
- enhance your understanding of the ways knowledge is created and applied in a variety of environmental professional practices
- develop your skills in collaboration, self-reflection, communication of specialist knowledge, and integration of different types of knowledge

**Contemporary Environmental Issues**

These subjects provide the opportunity to study emerging environmental issues of today and can be taken as an elective in the Master of Environment tailored program or a specialisation (with permission from the coordinator).

Topics for 2017 are: Sustainability and Behaviour Change; Consumerism and the Growth Economy; and Environmental Policy Instruments.

**CAPSTONE EXPERIENCE**

Your Capstone experience involves completing a project, or projects of 12.5 points or more, through an internship, research project or group project subject. It’s a great opportunity to bring together the learning that you do during the rest of your studies and to demonstrate capacity for independent professional judgement.

For full details visit: [http://handbook.unimelb.edu.au](http://handbook.unimelb.edu.au)
Your student experience
Get the most out of your studies with different study opportunities.

Research projects

MELANIE BIRKBECK, AUSTRALIA
Melanie completed an industry based research project, working with Environmental Justice Australia (EJA) comparing different legal and social responses to two coal mine “disasters”, one in Vado Ligure, Italy and the other the Hazelwood Coal Mine in Morwell, Victoria. The research findings supported Worksafe Victoria in pursuing legal action against the mine.

JUAN-DE DIOS MORALES NUNEZ, ECUADOR
It was an incredible experience working with EJA. The learnings and new perspectives I take with me from this research (and Master of Environment in general) have changed the way I view the world.

Field-based subjects

FORESTS IN THE ASIA PACIFIC was an amazing hands-on experience. It not only provided the opportunity to acquire specific technical skills around forest management, it also developed my communication, teamwork, adaptability, problem-solving and leadership skills.

The subject encouraged me to dig deep into socio-environmental and economic issues in order to find out the potential opportunities of the forestry industry as a mechanism to reduce the effects of poverty and environmental issues in South East Asia. I was also able to see how I could translate this knowledge to my own region of South America.

If you are interested in environmental management, policy, business or development as a career, I highly recommend taking this subject.
CHRISTINA LUNT, AUSTRALIA

Studying overseas, on exchange or doing an international internship can be a great way to enhance your study and gain new experience. The University has partner institutions all over the world where you can study environmentally-relevant subjects as part of your Masters.

As part of my Masters I interned with the United Nations Environment Program (UNEP), in Washington DC, as their Environmental Research Intern.

In this role I worked across areas of natural infrastructure, lead paint and mercury and marine debris and micro plastics. The internship was an absolutely invaluable experience for me as not only did I gain an understanding of the UN processes but I also became aware of my own strengths and abilities, which gave me a huge confidence boost. As a result of the connections I made, I secured another exciting internship role in Bangkok’s UNEP Coral Reef Unit.

BOBBY WANG, CHINA

What particularly attracted me to the Master of Environment program was the opportunity to do an internship subject as I lacked relevant work experience in the environmental sector.

From the diverse range of host organisations available, I chose EPA Victoria, where I worked as a part of the Waste team in the regulation and assessment of waste treatment facilities. It was a very enjoyable and valuable experience, providing me with much needed personal and professional development. What started off as a 2 month internship then led to a 4 months part-time paid position with the EPA.

The internship also developed my professional network, exposing me to industry contacts and setting the precedence for my current contractual position with a private company, RENEX. RENEX is leading change in improving waste treatment solutions in Victoria, and I'm very excited by the prospect of where this opportunity will take me.
How to Apply

Applications for Semester 1 and Semester 2 commencement are accepted.

For application deadlines visit:
environment.unimelb.edu.au

All applicants need to include with their application:
— Originals or certified copies of academic transcripts and proof of completion for studies not undertaken at the University of Melbourne.
— A statement of no more than 500 words that describes your personal motivation to undertake further study.
— If work experience is to be considered as part of the application, supporting documentation from the employer, signed and on letterhead.
— Your Curriculum Vitae (CV).
— An indication of which specialisation(s) you’d like to apply for.

Domestic applicants
(Australian citizens and permanent residents and New Zealand citizens)

Apply online at
futurestudents.unimelb.edu.au.

International applicants

Detailed information on how to apply is available from:
environment.unimelb.edu.au.

Apply online at
futurestudents.unimelb.edu.au.

Domestic applicants
(Australian citizens and permanent residents and New Zealand citizens)

Apply online at
futurestudents.unimelb.edu.au.

Graduate Access Melbourne

Graduate Access aims to provide entry to graduate study to local applicants whose personal circumstances have had a sustained adverse effect on their academic achievement at the undergraduate level, or who are members of a specified group known to be underrepresented in higher education.

By applying through Graduate Access Melbourne the circumstances affecting your academic achievement will be taken into consideration which may increase the chances of securing a Commonwealth Supported Place. You will also be considered for a Graduate Access Melbourne Bursary.

go.unimelb.edu.au/aa8n

Single subject studies:
Community Access Program (CAP)

The CAP program enables individual subjects to be undertaken without enrolment in a formal degree. Subjects are available for assessed or non-assessed study.

For more information visit:
go.unimelb.edu.au/93in

Financial Support

A limited number of Commonwealth Supported Places are available, allocated based on identified selection criteria. Austudy and FEE-HELP/HECS-HELP are available to local eligible students.

The Australian government offers scholarships (Australia Awards) to students from some countries to study in Australia.

To apply and for more details visit:
go.unimelb.edu.au/hj4n

www.australiaawards.gov.au

Scholarships

The Office for Environmental Programs has several merit-based scholarships available for eligible domestic and international students enrolled in the Postgraduate Diploma and Masters programs.

For more information visit:
Future Students, University of Melbourne
Fees

Fees shown below are for 2017 and assume full-time study unless otherwise indicated. Fees are charged on a per subject basis and the total. If course duration is one year or less, an estimate of the total program fee is shown.

For further details visit: futurestudents.unimelb.edu.au/fees

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Estimated course fees for domestic graduate students commencing an OEP course in 2017

Please note that the tuition fees shown here are estimates for commencement in 2017 only, and your course tuition fees will vary based on your specific enrolment.

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Estimated course fees for international graduate students commencing an OEP course in 2017

Please note that the tuition fees shown here are estimates for commencement in 2017 only, and your course tuition fees will vary based on your specific enrolment.