

# Tailored Specialisation

<b>Year and Campus:</b>	2016									
<b>Coordinator:</b>	Dr Kathryn Williams, Office for Environmental Programs									
<b>Contact:</b>	Email: <a href="mailto:query-environment@unimelb.edu.au">query-environment@unimelb.edu.au</a> (mailto:query-environment@unimelb.edu.au)									
<b>Overview:</b>	<p>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.</p> <p>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 student to tailor subject selection to meet personal learning objectives, developed in consultation with an academic advisor.</p> <p>Graduates will work in roles that require translation of knowledge across different specialisations or in emerging 'boundary crossing' specialist roles.</p>									
<b>Learning Outcomes:</b>	<p>Students who complete the Master of Environment will have:</p> <ul style="list-style-type: none"> <li># Knowledge to undertake professional practice in environment or sustainability, including:             <ul style="list-style-type: none"> <li># Specialised knowledge in an environmental discipline or field of practice, including knowledge of recent developments in this field</li> <li># Knowledge of the cross-disciplinary nature of environmental issues and professional practice to promote sustainable futures</li> <li># Knowledge of research principles and methods applicable to specialist field of environmental inquiry</li> <li># Skills for collaborative and creative problem solving in environmental practice, including:                 <ul style="list-style-type: none"> <li># Ability to critically analyse and synthesise environmental knowledge</li> <li># Ability to envision environmental change and propose pathways to realise this change</li> <li># Ability to communicate complex environmental knowledge and research effectively to a range of audiences</li> <li># Ability to work effectively in cross-disciplinary teams</li> <li># Technical skills for professional practice and research in field of specialisation</li> </ul> </li> </ul> </li> <li># Demonstrated capacity to:</li> </ul>									
<b>Structure &amp; Available Subjects:</b>	<p>Students completing a tailored specialisation in the Master of Environment will complete two core subjects in Sustainability, Governance and Leadership, and Interdisciplinarity and the Environment. Students in the 200 point pathway will complete at least 12.5 points of subjects selected from a list of compulsory 'capstone' subjects which will enable students plan and execute a substantial project in an environmental or environmental scholarship or practice. Students in the 100 point pathway will not normally be required to complete this component. Students will choose the remainder of subjects from an approved subject list in consultation with an academic advisor. Additional subjects may be chosen depending on academic background. Please note that prerequisites may apply.</p>									
<b>Subject Options:</b>	<p><b>Core Subjects</b></p> <p>Students must complete the following core subjects:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>MULT90004 Sustainability Governance and Leadership</td> <td>March, July</td> <td>12.50</td> </tr> <tr> <td>MULT90005 Interdisciplinarity and the Environment</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	MULT90004 Sustainability Governance and Leadership	March, July	12.50	MULT90005 Interdisciplinarity and the Environment	Semester 2	12.50
Subject	Study Period Commencement:	Credit Points:								
MULT90004 Sustainability Governance and Leadership	March, July	12.50								
MULT90005 Interdisciplinarity and the Environment	Semester 2	12.50								

## Compulsory Capstone Experience

Students must complete at least 12.5 points from the following compulsory capstone subjects - please note that if you select either a 25 or 50 point subject that spreads across two semesters you must enrol into the subject in both semesters (your student centre will be able to assist with this). Students completing the 100 point pathway will normally be exempt from this requirement.

Subject	Study Period Commencement:	Credit Points:
ENST90006 Environmental Research Review (12.5)	Semester 1, Semester 2	12.50
ENST90007 Environmental Research Project (25)	Semester 1, Semester 2	25
ENST90024 Environmental Research Project - 25 Long	Semester 1, Semester 2	12.50
ENST90016 Environmental Research Project (50)	Semester 1, Semester 2	50
ENST70001 Environmental Research Proj (50 Long)	Semester 1, Semester 2	25
ENST90025 Environmental Industry Research (25)	Semester 1, Semester 2	25
ENST90026 Environmental Industry Research: 25 Long	Semester 1, Semester 2	12.50
ENST90020 Environmental Industry Research (50)	Semester 1, Semester 2	50
ENST70002 Environmental Industry Research: 50 Long	Semester 1, Semester 2	25
DEVT90002 Internship in Development	January, Semester 1, Semester 2	12.50
DEVT90008 International Internship in Development	January, Semester 1, Semester 2	25
FRST90035 Forest Internship Project	Year Long	25
AGRI90076 Industry Internship	Summer Term, Semester 1, Semester 2	12.50
GEOG90007 China Field Class PG	Semester 2	25
EVSC90019 Graduate Seminar: Environmental Science	Semester 2	12.50
GEOG90022 International Internship in Environment	Semester 1, Semester 2	25

## Elective Subjects

Students should make up the balance of the award with electives from the following list of subjects. Other subjects may be taken with the approval of stream coordinator. The following elective options are sorted into discipline/faculty areas:

### Architecture Building and Planning elective options:

Subject	Study Period Commencement:	Credit Points:
ABPL90009 Participation and Negotiation	July	12.50
ABPL90016 Asset Management	Semester 1	12.50
ABPL90022 Healthy Communities	Semester 2	12.50
ABPL90030 Project Evaluation	Semester 2	12.50
ABPL90032 Building Services and Operations	Semester 1	12.50
ABPL90049 Environmental Design	Semester 1	12.50
ABPL90064 Planning Urban Sustainability	Semester 2	12.50

ABPL90065 Managing Global City Regions	Semester 2	12.50
ABPL90072 Landscape Studio 5:Sustainable Urbanism	Semester 1	25
ABPL90075 Urban and Landscape Heritage	September	12.50
ABPL90077 Transportation, Land Use and Urban Form	Semester 2	12.50
ABPL90078 Contemporary Landscape Theory	Semester 1	12.50
ABPL90086 Environmental Systems	Semester 2	12.50
ABPL90090 Public Transport Network Planning	Semester 1	12.50
ABPL90120 Building Sustainability	September	12.50
ABPL90130 Planning Law & Statutory Planning	Semester 1	12.50
ABPL90132 Land Use and Urban Design	Semester 2	12.50
ABPL90135 Analytical Methods	Semester 1	12.50
ABPL90152 Sustainable Tropical Housing	Not offered 2016	12.5
ABPL90153 Complex Building Energy Modelling	June	12.50
ABPL90246 The Economies of Cities and Regions	Semester 1	12.50
ABPL90272 Regenerating Sustainability	Semester 1	12.50
ABPL90279 Cities Without Slums	July	12.50
ABPL90283 Performative Ecologies	Semester 2	12.50
ABPL90303 Facilities for Social Sustainability	Not offered 2016	12.5
ABPL90315 Urban Governance	Semester 2	12.50
ABPL90309 Supply Chains in Construction	Semester 1	12.50
ABPL90326 Technological Innovations	Semester 1	12.50
ABPL90341 Urban Environmental Policy and Planning	Semester 1	12.50
ABPL90320 Building Resilient Settlements	December	12.50
ABPL90329 Construction Policy	Not offered 2016	12.5
ABPL90056 Sustainable Transport and Public Policy	September	12.5
ABPL90310 Construction Industry and Environment	Semester 2	12.5

### Arts

Subject	Study Period Commencement:	Credit Points:
DEVT90001 Project Management & Design	Semester 1	12.50
DEVT90002 Internship in Development	January, Semester 1, Semester 2	12.50
DEVT90008 International Internship in Development	January, Semester 1, Semester 2	25
DEVT90009 Development Theories	Semester 1	12.50
DEVT90040 Gender Issues in Development	Semester 2	12.50

DEVT90041 Research Methods for Development	March, July	12.50
HPSC90010 Environment and Knowledge	Semester 1	12.50
PHIL90015 Issues in Professional & Applied Ethics	Semester 2	12.50
POLS90016 The United Nations: Review and Reform	Semester 2	12.50
PPMN40002 Organisations and Management	Not offered 2016	12.50
SOCI90003 Comparative Social Policy	November	12.50
SOCI90004 Contemporary Social Problems	April	12.50
POLS90015 Business and Government	Semester 1	12.50
PPMN90031 Public Policy Lobbying Strategies	Semester 2	12.50
PPMN90040 Science, Controversy and Public Policy	Not offered 2016	12.50
SOCI90011 Foundations of Social Policy	February	12.5
DEVT90039 Civil Society, NGOs and the State	Semester 2	12.5
LING90002 Presenting Academic Discourse	Semester 1, Semester 2	12.5

### Economics

Subject	Study Period Commencement:	Credit Points:
ACCT90031 Sustainability Accounting	Semester 2	12.50
ECON40012 Development Economics	Semester 2	12.50
ECON90002 Microeconomics	Semester 1	12.50
ECON90016 Environmental Economics and Strategy	Semester 1	12.50
MGMT90018 Managerial Psychology	Semester 1, Semester 2	12.50
MGMT90022 Managing Organisational Change	August	12.50
MGMT90030 Managing Innovation and Entrepreneurship	Semester 1, Semester 2	12.50
MGMT90031 Project Management	Semester 1, Semester 2	12.50
MKTG90009 Advertising	Semester 2	12.50
MGMT90208 Sustainable Business Practices	Semester 1	12.50
MGMT90165 Social Entrepreneurship	Semester 2	12.5

### Education

Subject	Study Period Commencement:	Credit Points:
EDUC90006 Environmental Education	Semester 1	12.50
EDUC90729 Conducting Educational Research	April, September	12.50
EDUC90638 Educating for Knowledge & Understanding	March	12.50
EDUC90626 Transforming Sustainability Education	August	12.50

### Engineering

Subject	Study Period Commencement:	Credit Points:
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CVEN90019 Sustainable Water Resources Systems	Semester 2	12.50
CVEN90027 Geotechnical Applications	Semester 2	12.50
ENEN90005 Environmental Management ISO 14000	Semester 2	12.50
ENEN90006 Solid Wastes to Sustainable Resources	Semester 1	12.50
ENEN90011 Energy Efficiency Technology	Semester 2	12.50
ENEN90014 Sustainable Buildings	September	12.50
ENEN90027 Energy for Sustainable Development	Semester 1	12.50
ENEN90028 Monitoring Environmental Impacts	Semester 2	12.50
ENEN90029 Water and Waste Water Management	Semester 1	12.50
ENEN90031 Quantitative Environmental Modelling	Semester 1	12.50
ENEN90032 Environmental Analysis Tools	Semester 2	12.50
ENEN90033 Solar Energy	Semester 1	12.50
ENGR90028 Introduction to Energy Systems	Semester 1	12.50
GEOM90005 Remote Sensing	Semester 2	12.50
GEOM90006 Spatial Analysis	Semester 2	12.50
GEOM90008 Foundations of Spatial Information	Semester 1	12.50
ENEN90037 International River Basin Management	June	12.5

### Law

All Law subjects, with the exception of LAWS70068, Environmental Law and LAWS70176, Construction Law require permission from the Law Faculty. Other subjects are available from year to year within the Master of Environmental Law program

Law permission form: [http://environment.unimelb.edu.au/current\\_students/useful\\_forms/application\\_for\\_melbourne\\_law\\_school\\_subjects](http://environment.unimelb.edu.au/current_students/useful_forms/application_for_melbourne_law_school_subjects) ([http://environment.unimelb.edu.au/current\\_students/useful\\_forms/application\\_for\\_melbourne\\_law\\_school\\_subjects](http://environment.unimelb.edu.au/current_students/useful_forms/application_for_melbourne_law_school_subjects))

Subject	Study Period Commencement:	Credit Points:
LAWS70068 Environmental Law	September	12.50
LAWS70293 Climate Change Law	May	12.50
LAWS70141 Energy Regulation and the Law	March	12.50
LAWS70219 International Environmental Law	October	12.50
LAWS70423 International Mineral Law	August	12.50
LAWS70205 Project Finance	October	12.50
LAWS70185 Water Law & Natural Resources Management	May	12.50
LAWS70386 Environmental Rights	August	12.5
LAWS70469 Construction Law	Semester 1	12.5

### Public Health

Subject	Study Period Commencement:	Credit Points:
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POPH90020 Health Promotion	April	12.50
POPH90058 Health Program Evaluation 1	Semester 1	12.50
POPH90066 Women and Global Health	September	12.50
POPH90071 Indigenous Health and History	March	12.50
POPH90086 International Child Health	October	12.50
POPH90087 International Adolescent Health	February	12.50
POPH90088 Disability in Developing Countries	September	12.50
POPH90090 Health Program Evaluation 2	Semester 2	12.50
POPH90093 Economic Evaluation 1	Semester 1, Semester 2	12.50
POPH90095 Economic Evaluation 2	Semester 1	12.50
POPH90112 Infectious Disease Epidemiology	Semester 1	12.50
POPH90131 Primary Hlth Care in Develop. Countries	March, August	12.50
POPH90137 Primary Health Care, Jamkhed, India	January, November	12.50
POPH90144 Linear & Logistic Regression	July	12.50
POPH90145 Survival Analysis & Regression for Rates	September	12.50
POPH90189 Global Health Program Planning & Design	February	12.50
POPH90190 HIV and AIDS:An Evolving Global Response	March	12.50
POPH90191 Practice of Public Health Leadership	September	12.50
POPH90200 Principles of Social Research Design	February	12.50
POPH90201 Community - Based Participatory Research	Semester 1	12.50
POPH90205 Health Inequalities	Semester 2	12.50
POPH90206 Health Policy	March	12.50
POPH90207 Ethics in Public Health	Semester 1	12.50
POPH90208 Key Concepts in Medical Anthropology	Not offered 2016	12.50
POPH90209 Health Systems	August	12.50
POPH90218 Public Health Leadership and Management	July	12.50
POPH90227 Public Health in Practice	Semester 1	12.50
POPH90229 Health Economics 2	Semester 2	12.50
POPH90230 Environmental Challenges & Global Health	July	12.50
POPH90231 Qualitative Research in Public Health	Not offered 2016	12.50
POPH90238 Systems for Global Health	July	12.50
POPH90069 Sexual and Reproductive Health	August	12.50
POPH90242 Epidemiology 2	August	12.5
POPH90243 Clinical Epidemiology	April	12.50

POPH90013 Biostatistics	Semester 1	12.50
POPH90094 Health Economics 1	Semester 1	12.5
POPH90232 Indigenous Health: From Data to Practice	Not offered 2016	12.5

### Office for Environmental Programs (Cross-faculty)

Subject	Study Period Commencement:	Credit Points:
ENST90017 Environmental Policy Instruments	Semester 2	12.50
ENST90032 Sustainability and Behaviour Change	Semester 1	12.5
ENST70001 Environmental Research Proj (50 Long)	Semester 1, Semester 2	25
ENST90019 Consumerism and the Growth Economy	Semester 2	12.5
ENST70002 Environmental Industry Research: 50 Long	Semester 1, Semester 2	25
ENST90006 Environmental Research Review (12.5)	Semester 1, Semester 2	12.5
ENST90007 Environmental Research Project (25)	Semester 1, Semester 2	25
ENST90016 Environmental Research Project (50)	Semester 1, Semester 2	50
ENST90020 Environmental Industry Research (50)	Semester 1, Semester 2	50
ENST90024 Environmental Research Project - 25 Long	Semester 1, Semester 2	12.5
ENST90025 Environmental Industry Research (25)	Semester 1, Semester 2	25
ENST90026 Environmental Industry Research: 25 Long	Semester 1, Semester 2	12.5

### Science

Subject	Study Period Commencement:	Credit Points:
ATOC90002 Climate Affairs	Semester 1	12.5
ATOC90004 Current Topics in Atmospheric Science A	Semester 1, Semester 2	12.50
ATOC90007 Mesoscale Atmospheric Dynamics	Not offered 2016	12.50
BIOL90002 Biometry	July	12.50
BOTA90005 Flora of Victoria	February	12.50
CHEM90007 Environmental Chemistry	Semester 1	12.50
CHEM90008 Advanced Spectroscopy	Semester 1	12.50
EVSC90014 Environmental Risk Assessment	November	12.50
EVSC90016 Environmental Monitoring and Audit	Semester 2	12.50
EVSC90017 Global Environmental Change	Semester 1	12.50
EVSC90019 Graduate Seminar: Environmental Science	Semester 2	12.50
EVSC90020 Environmental Modelling	Semester 1	12.50
GEO90005 Hydrogeology/Environmental Geochemistry	Semester 1	12.50
MAST90007 Statistics for Research Workers	July	12.50
MAST90044 Thinking and Reasoning with Data	Semester 1	12.50

MAST90045 Systems Modelling and Simulation	Semester 1	12.50
MULT90012 Industry Project in Science	Not offered 2016	12.50
SCIE90005 Ethics and Responsibility in Science	Semester 1	12.50
DEVT90003 The Political Ecology of Development	Not offered 2016	12.50
ENST90002 Social Impact Assessment and Evaluation	Semester 2	12.50
ENST90004 Climate Change Politics and Policy	Semester 2	12.50
ENST90005 Environmental Policy	Semester 2	12.50
ENST90023 Managing Innovation and Change	Semester 2	12.50
EVSC90001 Global Environment and Sustainability	February	12.50
EVSC90015 Environmental Impact Assessment	Semester 1	12.50
FRST90015 Forest Ecosystems	February	12.50
FRST90016 Trees in a Changing Climate	November	12.50
FRST90020 Silviculture & Forest Dynamics	June	12.50
FRST90021 Sustainable Forest Management	July	12.50
FRST90022 Forests and Water	September	12.50
FRST90025 Bushfire & Climate	March	12.50
FRST90026 Bushfire & Biodiversity	Not offered 2016	12.50
FRST90029 International Forest Policy	August	12.50
FRST90030 Forests in the Asia Pacific Region	November	12.50
FRST90031 Timber, Sustainable & Renewable Material	October	12.50
FRST90032 Forests, Carbon and Climate Change	June	12.50
FRST90034 Ecological Restoration	September	12.50
GEOG90003 Integrated River & Catchment Management	Semester 1	12.50
FRST90035 Forest Internship Project	Year Long	25
GEOG90007 China Field Class PG	Semester 2	25
HORT90003 Plants and the Urban Environment	Semester 1	12.50
HORT90004 Contemporary Plant Production & Establishment	Semester 2	12.50
HORT90006 Garden History & Design	Not offered 2016	12.50
HORT90007 Managing Trees in Urban Landscapes	June	12.50
HORT90011 Therapeutic Landscapes	Not offered 2016	12.50
HORT90038 Food Production for Urban Landscapes	Semester 1	12.50
HORT90039 Green Infrastructure for Liveable Cities	November	12.50
NRMT90002 Management of Plant and Animal Invasions	Semester 2	12.50
NRMT90003 Social Research Methods	Semester 1	12.50



NRMT90007 Community Natural Resource Management	Semester 2	12.50
NRMT90014 Sustainable Landscapes	Semester 1	12.50
GEOG90019 Indigenous Land Management	June	12.50
HORT90046 Green Roofs and Walls	June	12.50
GEOG90020 Risk Management and Public Participation	Semester 1	12.50
ENST90034 Adapting to Climate Change	April	12.50
ENST90033 Climate Change Mitigation	Semester 2	12.50
GEOG90021 Conservation and Cultural Environments	Semester 1	12.50
MAST40001 Research Philosophies and Statistics	Semester 1	12.50
EVSC90025 Water Sensitive Urban Design	February	12.5
ABPL90337 Managing Urban Landscapes	July	12.5
ERTH90028 Urban Soils, Substrates and Water	Semester 1	12.5
EVSC90026 Modelling Species Distribution & Niches	Semester 2	12.5
HORT90033 Landscape Plants	Semester 1	12.5
GEOG90025 East Timor Field Class	September	12.5
SCIE90017 Science and Technology Internship	Summer Term, Semester 1, Semester 2	12.5
SCIE90012 Science Communication	Semester 2	12.5

### Veterinary and Agricultural Sciences

Subject	Study Period Commencement:	Credit Points:
AGRI90057 Climate Change: Agric. Impacts & Adaptation	June, July	12.50
AGRI90066 Soil Science and Management	Semester 1	12.50
AGRI90068 Benefit-Cost Analysis	Not offered 2016	12.50
FOOD90024 Securing Sufficient and Healthy Food	Semester 1	12.50
FOOD90026 The Politics of Food	Semester 1	12.50
FOOD90027 Nutrition Politics and Policy	Semester 2	12.50
FOOD90033 Sustainable Food: Policy and Practice	Semester 2	12.50
FOOD90034 Sustainable Food Production	Semester 2	12.50
NRMT40001 Emerging Issues in Land Resources	Not offered 2016	12.50
NRMT90017 Leadership	February	12.50
VETS90016 Wildlife Management	Semester 1	12.50
VETS50006 Epidemiology of Epidemics	February	12.5

#### Related Course(s):

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