

# Addendum to the Programme Specification

## 8441 MEnvSci Environmental Science

8442 MEnvSci Environmental Science: Aquatic Environments and Resources pathway

8443 MEnvSci Environmental Science: Biodiversity and Conservation pathway

8444 MEnvSci Environmental Science: Environmental Change pathway

8445 MEnvSci Environmental Science: Sustainable Environmental Management pathway

This Addendum has been produced to highlight the key changes made to the existing Programme Specification as a result of the University's response to the Covid-19 Pandemic. You should read it in conjunction with the Programme Specification.

[Programme Specification for entry in 2020-21](#)

[Programme Specification for entry in 2019-20](#)

## University level information

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In view of COVID-19, the University has had to make changes to some elements of programme delivery for 2020-21. These changes have included the method of delivery, such as face-to-face and online, and the number of modules available.

The University aims to provide as much of a face-to-face component to your education as prevailing conditions at the time allow, combined with its new blended approach that will develop active independent and group online learning.

As the COVID-19 pandemic develops, the University's response to this and other issues may likewise need to evolve. The University will consult with student representatives as necessary and appropriate and will communicate changes to you as soon as practicable so that you have the information you need to understand how a change may impact you and what steps you need to take next. The University remains committed to supporting you as you learn.

## Programme Information

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In light of Covid-19, some practical elements of the programme will be modified during 2020-21. Group work sessions will be adapted to ensure they meet current social distancing requirements. Where field trips are a part of specific modules, these will be scheduled according to current local and national restrictions and only run where possible within Covid-19 University of Southampton and UK Government constraints.

## Programme Structure

### 8442 MEnvSci Environmental Science: Aquatic Environments and Resources pathway

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Where optional modules have been specified, the following is an indicative list of available optional modules, which are subject to change each academic year. Please note that, in some instances, modules have limited spaces available.

#### Part 1

You must complete all Core and Compulsory modules.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS1004</a> Environmental Science: Concepts and Communication	7.5	15	Core	<a href="#">BIOL1003</a> Ecology and Evolution	7.5	15	Comp
<a href="#">ENVS1005</a> Quantitative Methods	7.5	15	Core	<a href="#">ENVS1006</a> Environmental Science: Research and Applications	7.5	15	Core
<a href="#">GEOG1011</a> Dangerous World	7.5	15	Comp	<a href="#">ENVS1007</a> Environmental Field Techniques and Applications	7.5	15	Core
<a href="#">SOES1008</a> Earth and Ocean System	7.5	15	Comp	<a href="#">SOES1006</a> Introduction to Marine Ecology and Evolution	7.5	15	Comp

## Part 2

You must complete all Core modules.

You must choose 30 ECTS/60 CATS of optional modules in total.

**You must select a minimum of 22.5 ECTS/45 CATS to a maximum of 30 ECTS/60 CATS of optional modules from Group 1. You must select a minimum of 0 ECTS/0 CATS up to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.**

**Please ensure that you select an even split of credits overall by semester including your compulsory modules.**

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS2007</a> Environmental Pollution	7.5	15	Core	<a href="#">ENVS2014</a> Sustainability (No-Fly Field Course)	7.5	15	Core
<a href="#">GEOG2010</a> Introductory Geographic Information Systems	7.5	15	Core	<a href="#">ENVS2006</a> Environmental Impact Assessment	7.5	15	Core

## Part 2 Group 1

You must select a minimum of 22.5 ECTS/45 CATS to a maximum of 30 ECTS/60 CATS of optional modules from Group 1.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS2003</a> Freshwater Ecosystems	7.5	15	Option	<a href="#">GEOG2040</a> Coastal Landscapes and Human Interactions	7.5	15	Option
<a href="#">GEOG2037</a> Global Water Resources	7.5	15	Option	<a href="#">SOES2017</a> Marine Benthic Ecology	7.5	15	Option
<a href="#">GEOG2039</a> Concepts and Methods for Environmental Management	7.5	15	Option				
<a href="#">SOES2011</a> Marine Vertebrates	7.5	15	Option				

## Part 2 Group 2

You must select a minimum of 0 ECTS/0 CATS to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">BIOL2001</a> Evolution	7.5	15	Option	<a href="#">BIOL2007</a> Plant Development and Function	7.5	15	Option
<a href="#">BIOL2004</a> Pure and Applied Population Ecology	7.5	15	Option	<a href="#">BIOL2039</a> Animal Behaviour	7.5	15	Option
<a href="#">DEMO2010</a> Population Change in Low and Middle Income Countries	7.5	15	Option	<a href="#">DEMO2005</a> Population Processes in High Income Countries	7.5	15	Option
<a href="#">GEOG2007</a> Remote Sensing for Earth Observation	7.5	15	Option	<a href="#">GEOG2006</a> Quaternary Environmental Change	7.5	15	Option
<a href="#">SOES2003</a> Geohazards and Earth Resources	7.5	15	Option	<a href="#">GEOG2021</a> Advanced Geographical Information Systems	7.5	15	Option
<a href="#">SOES2024</a> Coastal Ocean Processes	7.5	15	Option	<a href="#">GEOG2032</a> Global Climate Change: Science, Impacts and Policy	7.5	15	Option
LANGXX15 Language Module	7.5	15	Option	<a href="#">PHYS2015</a> Introduction to Energy in The Environment	7.5	15	Option
<a href="#">UOSM2004</a> Global Health	7.5	15	Option	<a href="#">SOES2006</a> Phytoplankton and Primary Production	7.5	15	Option
<a href="#">UOSM2022</a> Social Enterprise	7.5	15	Option	LANGXX15 Language Module	7.5	15	Option

### Part 3

You must complete all Core modules.

You must choose 22.5 ECTS/45 CATS of optional modules in total.

**You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1. You must select a minimum of 0 ECTS/0 CATS up to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.**

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS3019</a> Individual Project (Full Year Module)					15	30	Core
<a href="#">ENVS3024</a> Literature Review	7.5	15	Core	<a href="#">ENVS3023</a> Advanced Quantitative Methods (UG)	7.5	15	Core
				<a href="#">ENVS3013</a> Environmental Law and Management	7.5	15	Core

### Part 3 Group 1

You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">SOES3013</a> Zooplankton Ecology and Processes	7.5	15	Option	<a href="#">GEOG3023</a> River Basin Management and Restoration	7.5	15	Option
<a href="#">SOES3017</a> Marine Fisheries Ecology	7.5	15	Option	<a href="#">SOES3029</a> Seafloor Exploration and Surveying	7.5	15	Option
				<a href="#">GEOG3068</a> Biogeography	7.5	15	Option

### Part 3 Group 2

You must select a minimum of 0 ECTS/0 CATS to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.

**You must NOT select GEOG3006 if you have previously taken GEOG2021.**

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">BIOL3053</a> Biodiversity and Conservation	7.5	15	Option	<a href="#">BIOL3010</a> Evolution and Genetics	7.5	15	Option
<a href="#">BIOL3072</a> Behavioural Ecology	7.5	15	Option	<a href="#">BIOL3051</a> Applied Plant Biology	7.5	15	Option
<a href="#">ENVS3014</a> Sustainable Resource Management	7.5	15	Option	<a href="#">BIOL3074</a> Global Challenges in Biology	7.5	15	Option
<a href="#">ENVS3017</a> The Sustainability Professional	7.5	15	Option	<a href="#">ENVS3020</a> Air Quality and Environmental Pollution	7.5	15	Option
<a href="#">GEOG3010</a> Environment and Health	7.5	15	Option	<a href="#">ENVS3022</a> Tropical Ecology and Conservation	7.5	15	Option
<a href="#">GEOG3020</a> Glaciers and Glaciation	7.5	15	Option	<a href="#">GEOG3006</a> Advanced Geographical Information Systems	7.5	15	Option
<a href="#">GEOG3048</a> Desert Landscapes: Modelling and Measuring Aeolian Systems	7.5	15	Option	<a href="#">GEOG3062</a> Migration and Development	7.5	15	Option
<a href="#">GEOG3057</a> Adapting to Climate Change and Weather Hazards	7.5	15	Option				
<a href="#">SOES3011</a> Biogeochemical Cycles in the Earth System	7.5	15	Option				
<a href="#">SOES3015</a> Palaeoclimate Change	7.5	15	Option				
<a href="#">UOSM2004</a> Global Health	7.5	15	Option				
<a href="#">UOSM2022</a> Social Enterprise	7.5	15	Option				

### Part 4

You must complete all Core modules.

You must choose 22.5 ECTS/45 CATS of optional modules in total.

You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1. You must select a minimum of 0 ECTS/0 CATS up to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.

To graduate from MEnvSci, you must complete 120 credits at Masters level; 75 credits will come from the core Part 4 curriculum. 45 credits will be completed in Part 4, but you can use forward and back-tracking to complete the required credits over both Parts 3 and 4. You may backtrack in Part 4 if you completed sufficient Masters level credits in Part 3 to meet the 120 credit requirement.

Some modules are dual coded. You are not permitted to take a module if you have previously taken the partner module:

<a href="#">ENVS6003</a>	<a href="#">BIOL6044</a>	<a href="#">SOES6009</a>	<a href="#">GEOG6009</a>	<a href="#">BIOL6066</a>	<a href="#">BIOL6096</a>
<a href="#">ENVS2003</a>	<a href="#">BIOL3003</a>	<a href="#">SOES3013</a>	<a href="#">GEOG3023</a>	<a href="#">BIOL3053</a>	<a href="#">BIOL3074</a>
<a href="#">ENVS6037</a>	<a href="#">GEOG6027</a>	<a href="#">SOES6007</a>	<a href="#">BIOL6029</a>	<a href="#">BIOL6046</a>	
<a href="#">ENVS3017</a>	<a href="#">GEOG2007</a>	<a href="#">SOES3011</a>	<a href="#">BIOL3010</a>	<a href="#">BIOL3051</a>	

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS6009</a> Advanced Research Project (Full Year Module)					30	60	Core
<a href="#">ENVS6010</a> Work-Based Learning	7.5	15	Core				

#### Part 4 Group 1

You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
				<a href="#">CENV6172</a> River and Estuary Restoration	7.5	15	Option
				<a href="#">GEOG6009</a> River Basin Management and Restoration	7.5	15	Option
				<a href="#">SOES6017</a> Introductory Remote Sensing of the Ocean	7.5	15	Option

#### Part 4 Group 2

You must select a minimum of 0 ECTS/0 CATS to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">BIOL6066</a> Biodiversity and Conservation	7.5	15	Option	<a href="#">BIOL6029</a> Evolution and Genetics	7.5	15	Option
<a href="#">CENV6147</a> Climate Change, Energy and Settlements	7.5	15	Option	<a href="#">CENV6090</a> Energy Resources and Engineering	7.5	15	Option
<a href="#">ENVS6037</a> The Sustainability Professional (MSc)	7.5	15	Option	<a href="#">CENV6112</a> Transport, Energy and the Environment	7.5	15	Option
<a href="#">GEOG6027</a> Remote Sensing for Earth Observation	7.5	15	Option	<a href="#">ENVS6036</a> Advanced GIS and Spatial Analysis	7.5	15	Option
<a href="#">GEOG6095</a> GIS for Environmental Management	7.5	15	Option	<a href="#">GEOG6094</a> GIS for Analysis of Health	7.5	15	Option
<a href="#">SOES6007</a> Biogeochemical Cycles in the Earth System	7.5	15	Option	<a href="#">GEOG6109</a> Programming for GIS and Spatial Analyses	7.5	15	Option
<a href="#">SOES6037</a> Geodynamics and Solid Earth Geophysics	7.5	15	Option				

## Programme Structure

### 8443 MEnvSci Environmental Science: Biodiversity and Conservation pathway programme structure

Where optional modules have been specified, the following is an indicative list of available optional modules, which are subject to change each academic year. Please note that, in some instances, modules have limited spaces available.

#### Part 1

You must complete all Core and Compulsory modules.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS1004</a> Environmental Science: Concepts and Communication	7.5	15	Core	<a href="#">BIOL1003</a> Ecology & Evolution	7.5	15	Comp
<a href="#">ENVS1005</a> Quantitative Methods	7.5	15	Core	<a href="#">ENVS1006</a> Environmental Science: Research and Applications	7.5	15	Core
<a href="#">GEOG1011</a> Dangerous World	7.5	15	Comp	<a href="#">ENVS1007</a> Environmental Field Techniques and Applications	7.5	15	Core
<a href="#">SOES1008</a> Earth and Ocean System	7.5	15	Comp	<a href="#">SOES1006</a> Introduction to Marine Ecology and Evolution	7.5	15	Comp

#### Part 2

You must complete all Core modules.

You must choose 30 ECTS/60 CATS of optional modules in total.

**You must select a minimum of 22.5 ECTS/45 CATS to a maximum of 30 ECTS/60 CATS of optional modules from Group 1. You must select a minimum of 0 ECTS/0 CATS up to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.**

**Please ensure that you select an even split of credits overall by semester including your compulsory modules.**

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS2007</a> Environmental Pollution	7.5	15	Core	<a href="#">ENVS2014</a> Sustainability (No-Fly Field Course)	7.5	15	Core
<a href="#">GEOG2010</a> Introductory Geographic Information Systems	7.5	15	Core	<a href="#">ENVS2006</a> Environmental Impact Assessment	7.5	15	Core

#### Part 2 Group 1

You must select a minimum of 22.5 ECTS/45 CATS to a maximum of 30 ECTS/60 CATS of optional modules from Group 1.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">BIOL2001</a> Evolution	7.5	15	Option	<a href="#">BIOL2007</a> Plant Development and Function	7.5	15	Option
<a href="#">BIOL2004</a> Pure and Applied Population Ecology	7.5	15	Option	<a href="#">BIOL2039</a> Animal Behaviour	7.5	15	Option
<a href="#">ENVS2003</a> Freshwater Ecosystems	7.5	15	Option	<a href="#">GEOG2006</a> Quaternary Environmental Change	7.5	15	Option

#### Part 2 Group 2

You must select a minimum of 0 ECTS/0 CATS to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">DEMO2010</a> Population Change in Low and Middle Income Countries	7.5	15	Option	<a href="#">DEMO2005</a> Population Processes in High Income Countries	7.5	15	Option

<a href="#">GEOG2007</a> Remote Sensing for Earth Observation	7.5	15	Option	<a href="#">GEOG2021</a> Advanced Geographical Information Systems	7.5	15	Option
<a href="#">GEOG2037</a> Global Water Resources	7.5	15	Option	<a href="#">GEOG2032</a> Global Climate Change: Science, Impacts and Policy	7.5	15	Option
<a href="#">GEOG2039</a> Concepts and Methods for Environmental Management	7.5	15	Option	<a href="#">GEOG2040</a> Coastal Landscapes and Human Interactions	7.5	15	Option
<a href="#">SOES2003</a> Geohazards and Earth Resources	7.5	15	Option	<a href="#">PHYS2015</a> Introduction to Energy in The Environment	7.5	15	Option
<a href="#">SOES2011</a> Marine Vertebrates	7.5	15	Option	<a href="#">SOES2006</a> Phytoplankton and Primary Production	7.5	15	Option
<a href="#">SOES2024</a> Coastal Ocean Processes	7.5	15	Option	<a href="#">SOES2017</a> Marine Benthic Ecology	7.5	15	Option
LANGXX15 Language Module	7.5	15	Option	LANGXX15 Language Module	7.5	15	Option
<a href="#">UOSM2004</a> Global Health	7.5	15	Option				
<a href="#">UOSM2022</a> Social Enterprise	7.5	15	Option				

### Part 3

You must complete all Core modules.

You must choose 22.5 ECTS/45 CATS of optional modules in total.

**You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1. You must select a minimum of 0 ECTS/0 CATS up to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.**

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS3019</a> Individual Project (Full Year Module)					15	30	Core
<a href="#">ENVS3024</a> Literature Review	7.5	15	Core	<a href="#">ENVS3023</a> Advanced Quantitative Methods (UG)	7.5	15	Core
				<a href="#">ENVS3013</a> Environmental Law and Management	7.5	15	Core

### Part 3 Group 1

You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">BIOL3053</a> Biodiversity and Conservation	7.5	15	Option	<a href="#">BIOL3010</a> Evolution and Genetics	7.5	15	Option
<a href="#">BIOL3072</a> Behavioural Ecology	7.5	15	Option	<a href="#">BIOL3051</a> Applied Plant Biology	7.5	15	Option
				<a href="#">BIOL3074</a> Global Challenges in Biology	7.5	15	Option
				<a href="#">GEOG3068</a> Biogeography	7.5	15	Option

### Part 3 Group 2

You must select a minimum of 0 ECTS/0 CATS to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.

**You must NOT select GEOG3006 if you have previously taken GEOG2021.**

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS3014</a> Sustainable Resource Management	7.5	15	Option	<a href="#">ENVS3020</a> Air Quality and Environmental Pollution	7.5	15	Option
<a href="#">ENVS3017</a> The Sustainability Professional	7.5	15	Option	<a href="#">ENVS3022</a> Tropical Ecology and Conservation	7.5	15	Option
<a href="#">GEOG3010</a> Environment and Health	7.5	15	Option	<a href="#">GEOG3006</a> Advanced Geographical Information Systems	7.5	15	Option
<a href="#">GEOG3020</a> Glaciers and Glaciation	7.5	15	Option	<a href="#">GEOG3023</a> River Basin Management and Restoration	7.5	15	Option
<a href="#">GEOG3048</a> Desert Landscapes: Modelling and Measuring Aeolian Systems	7.5	15	Option	<a href="#">GEOG3062</a> Migration and Development	7.5	15	Option



<a href="#">GEOG3057</a> Adapting to Climate Change and Weather Hazards	7.5	15	Option	<a href="#">SOES3029</a> Seafloor Exploration and Surveying	7.5	15	Option
<a href="#">SOES3011</a> Biogeochemical Cycles in the Earth System	7.5	15	Option				
<a href="#">SOES3013</a> Zooplankton Ecology and Processes	7.5	15	Option				
<a href="#">SOES3015</a> Palaeoclimate Change	7.5	15	Option				
<a href="#">SOES3017</a> Marine Fisheries Ecology	7.5	15	Option				
<a href="#">UOSM2004</a> Global Health	7.5	15	Option				
<a href="#">UOSM2022</a> Social Enterprise	7.5	15	Option				

#### Part 4

You must complete all Core modules.

You must choose 22.5 ECTS/45 CATS of optional modules in total.

**You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1. You must select a minimum of 0 ECTS/0 CATS up to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.**

To graduate from MEnvSci, you must complete 120 credits at Masters level; 75 credits will come from the core Part 4 curriculum. 45 credits will be completed in Part 4, but you can use forward and back-tracking to complete the required credits over both Parts 3 and 4. You may backtrack in Part 4 if you completed sufficient Masters level credits in Part 3 to meet the 120 credit requirement.

Some modules are dual coded. You are not permitted to take a module if you have previously taken the partner module:

<a href="#">ENVS6003</a>	<a href="#">BIOL6044</a>	<a href="#">SOES6009</a>	<a href="#">GEOG6009</a>	<a href="#">BIOL6066</a>	<a href="#">BIOL6096</a>
<a href="#">ENVS2003</a>	<a href="#">BIOL3003</a>	<a href="#">SOES3013</a>	<a href="#">GEOG3023</a>	<a href="#">BIOL3053</a>	<a href="#">BIOL3074</a>
<a href="#">ENVS6037</a>	<a href="#">GEOG6027</a>	<a href="#">SOES6007</a>	<a href="#">BIOL6029</a>	<a href="#">BIOL6046</a>	
<a href="#">ENVS3017</a>	<a href="#">GEOG2007</a>	<a href="#">SOES3011</a>	<a href="#">BIOL3010</a>	<a href="#">BIOL3051</a>	

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS6009</a> Advanced Research Project (Full Year Module)					30	60	Core
<a href="#">ENVS6010</a> Work-Based Learning	7.5	15	Core				

#### Part 4 Group 1

You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">BIOL6066</a> Biodiversity and Conservation	7.5	15	Option	<a href="#">BIOL6029</a> Evolution and Genetics	7.5	15	Option
				<a href="#">BIOL6096</a> Global Challenges in Biology	7.5	15	Option
				<a href="#">ENVS6036</a> Advanced GIS and Spatial Analysis	7.5	15	Option

#### Part 4 Group 2

You must select a minimum of 0 ECTS/0 CATS to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">CENV6147</a> Climate Change, Energy and Settlements	7.5	15	Option	<a href="#">CENV6090</a> Energy Resources and Engineering	7.5	15	Option
<a href="#">ENVS6037</a> The Sustainability Professional (MSc)	7.5	15	Option	<a href="#">CENV6112</a> Transport, Energy and the Environment	7.5	15	Option

<a href="#">GEOG6027</a> Remote Sensing for Earth Observation	7.5	15	Option	<a href="#">CENV6172</a> River and Estuary Restoration	7.5	15	Option
<a href="#">GEOG6095</a> GIS for Environmental Management	7.5	15	Option	<a href="#">GEOG6009</a> River Basin Management and Restoration	7.5	15	Option
				<a href="#">GEOG6087</a> Practical Skills in Remote Sensing	7.5	15	Option
				<a href="#">GEOG6094</a> GIS for Analysis of Health	7.5	15	Option
				<a href="#">GEOG6109</a> Programming for GIS and Spatial Analyses	7.5	15	Option
				<a href="#">SOES6017</a> Introductory Remote Sensing of the Ocean	7.5	15	Option



## Programme Structure

### 8444 MEnvSci Environmental Science: Environmental Change pathway programme structure

Where optional modules have been specified, the following is an indicative list of available optional modules, which are subject to change each academic year. Please note that, in some instances, modules have limited spaces available.

#### Part 1

You must complete all Core and Compulsory modules.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS1004</a> Environmental Science: Concepts and Communication	7.5	15	Core	<a href="#">BIOL1003</a> Ecology & Evolution	7.5	15	Comp
<a href="#">ENVS1005</a> Quantitative Methods	7.5	15	Core	<a href="#">ENVS1006</a> Environmental Science: Research and Applications	7.5	15	Core
<a href="#">GEOG1011</a> Dangerous World	7.5	15	Comp	<a href="#">ENVS1007</a> Environmental Field Techniques and Applications	7.5	15	Core
<a href="#">SOES1008</a> Earth and Ocean System	7.5	15	Comp	<a href="#">GEOG1001</a> The Earth System	7.5	15	Comp

#### Part 2

You must complete all Core modules.

You must choose 30 ECTS/60 CATS of optional modules in total.

**You must select a minimum of 22.5 ECTS/45 CATS to a maximum of 30 ECTS/60 CATS of optional modules from Group 1. You must select a minimum of 0 ECTS/0 CATS up to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.**

**Please ensure that you select an even split of credits overall by semester including your compulsory modules.**

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS2007</a> Environmental Pollution	7.5	15	Core	<a href="#">ENVS2014</a> Sustainability (No-Fly Field Course)	7.5	15	Core
<a href="#">GEOG2010</a> Introductory Geographic Information Systems	7.5	15	Core	<a href="#">ENVS2006</a> Environmental Impact Assessment	7.5	15	Core

#### Part 2 Group 1

You must select a minimum of 22.5 ECTS/45 CATS to a maximum of 30 ECTS/60 CATS of optional modules from Group 1.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">DEMO2010</a> Population Change in Low and Middle Income Countries	7.5	15	Option	<a href="#">DEMO2005</a> Population Processes in High Income Countries	7.5	15	Option
<a href="#">GEOG2007</a> Remote Sensing for Earth Observation	7.5	15	Option	<a href="#">GEOG2032</a> Global Climate Change: Science, Impacts and Policy	7.5	15	Option
<a href="#">GEOG2037</a> Global Water Resources	7.5	15	Option				
<a href="#">SOES2024</a> Coastal Ocean Processes	7.5	15	Option				

#### Part 2 Group 2

You must select a minimum of 0 ECTS/0 CATS to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">BIOL2001</a> Evolution	7.5	15	Option	<a href="#">BIOL2007</a> Plant Development and Function	7.5	15	Option
<a href="#">BIOL2004</a> Pure and Applied Population Ecology	7.5	15	Option	<a href="#">BIOL2039</a> Animal Behaviour	7.5	15	Option

<a href="#">ENVS2003</a> Freshwater Ecosystems	7.5	15	Option	<a href="#">GEOG2006</a> Quaternary Environmental Change	7.5	15	Option
<a href="#">GEOG2039</a> Concepts and Methods for Environmental Management	7.5	15	Option	<a href="#">GEOG2021</a> Advanced Geographical Information Systems	7.5	15	Option
<a href="#">SOES2003</a> Geohazards and Earth Resources	7.5	15	Option	<a href="#">GEOG2040</a> Coastal Landscapes and Human Interactions	7.5	15	Option
<a href="#">SOES2011</a> Marine Vertebrates	7.5	15	Option	<a href="#">PHYS2015</a> Introduction to Energy in The Environment	7.5	15	Option
LANGXX15 Language Module	7.5	15	Option	<a href="#">SOES2006</a> Phytoplankton and Primary Production	7.5	15	Option
<a href="#">UJOSM2004</a> Global Health	7.5	15	Option	<a href="#">SOES2017</a> Marine Benthic Ecology	7.5	15	Option
<a href="#">UJOSM2022</a> Social Enterprise	7.5	15	Option	LANGXX15 Language Module	7.5	15	Option

### Part 3

You must complete all Core modules.

You must choose 22.5 ECTS/45 CATS of optional modules in total.

**You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1. You must select a minimum of 0 ECTS/0 CATS up to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.**

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS3019</a> Individual Project (Full Year Module)					15	30	Core
<a href="#">ENVS3024</a> Literature Review	7.5	15	Core	<a href="#">ENVS3023</a> Advanced Quantitative Methods (UG)	7.5	15	Core
				<a href="#">ENVS3013</a> Environmental Law and Management	7.5	15	Core

### Part 3 Group 1

You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">GEOG3020</a> Glaciers and Glaciation	7.5	15	Option	<a href="#">GEOG3062</a> Migration and Development	7.5	15	Option
<a href="#">GEOG3048</a> Desert Landscapes: Modelling and Measuring Aeolian Systems	7.5	15	Option				
<a href="#">GEOG3057</a> Adapting to Climate Change and Weather Hazards	7.5	15	Option				
<a href="#">GEOG3011</a> Biogeochemical Cycles in the Earth System	7.5	15	Option				
<a href="#">SOES3015</a> Palaeoclimate Change	7.5	15	Option				

### Part 3 Group 2

You must select a minimum of 0 ECTS/0 CATS to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.

**You must NOT select GEOG3006 if you have previously taken GEOG2021.**

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">BIOL3053</a> Biodiversity and Conservation	7.5	15	Option	<a href="#">BIOL3010</a> Evolution and Genetics	7.5	15	Option
<a href="#">BIOL3072</a> Behavioural Ecology	7.5	15	Option	<a href="#">BIOL3051</a> Applied Plant Biology	7.5	15	Option
<a href="#">ENVS3014</a> Sustainable Resource Management	7.5	15	Option	<a href="#">BIOL3074</a> Global Challenges in Biology	7.5	15	Option
<a href="#">ENVS3017</a> The Sustainability Professional	7.5	15	Option	<a href="#">ENVS3020</a> Air Quality and Environmental Pollution	7.5	15	Option
<a href="#">GEOG3010</a> Environment and Health	7.5	15	Option	<a href="#">ENVS3022</a> Tropical Ecology and Conservation	7.5	15	Option
<a href="#">SOES3013</a> Zooplankton Ecology and Processes	7.5	15	Option	<a href="#">GEOG3006</a> Advanced Geographical Information Systems	7.5	15	Option

<a href="#">SOES3017</a> Marine Fisheries Ecology	7.5	15	Option	<a href="#">GEOG3023</a> River Basin Management and Restoration	7.5	15	Option
<a href="#">UOSM2004</a> Global Health	7.5	15	Option	<a href="#">GEOG3068</a> Biogeography	7.5	15	Option
<a href="#">UOSM2022</a> Social Enterprise	7.5	15	Option	<a href="#">SOES3029</a> Seafloor Exploration and Surveying	7.5	15	Option

#### Part 4

You must complete all Core modules.

You must choose 22.5 ECTS/45 CATS of optional modules in total.

**You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1. You must select a minimum of 0 ECTS/0 CATS up to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.**

To graduate from MEnvSci, you must complete 120 credits at Masters level; 75 credits will come from the core Part 4 curriculum. 45 credits will be completed in Part 4, but you can use forward and back-tracking to complete the required credits over both Parts 3 and 4. You may backtrack in Part 4 if you completed sufficient Masters level credits in Part 3 to meet the 120 credit requirement.

Some modules are dual coded. You are not permitted to take a module if you have previously taken the partner module:

<a href="#">ENVS6003</a>	<a href="#">BIOL6044</a>	<a href="#">SOES6009</a>	<a href="#">GEOG6009</a>	<a href="#">BIOL6066</a>	<a href="#">BIOL6096</a>
<a href="#">ENVS2003</a>	<a href="#">BIOL3003</a>	<a href="#">SOES3013</a>	<a href="#">GEOG3023</a>	<a href="#">BIOL3053</a>	<a href="#">BIOL3074</a>
<a href="#">ENVS6037</a>	<a href="#">GEOG6027</a>	<a href="#">SOES6007</a>	<a href="#">BIOL6029</a>	<a href="#">BIOL6046</a>	
<a href="#">ENVS3017</a>	<a href="#">GEOG2007</a>	<a href="#">SOES3011</a>	<a href="#">BIOL3010</a>	<a href="#">BIOL3051</a>	

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS6009</a> Advanced Research Project (Full Year Module)					30	60	Core
<a href="#">ENVS6010</a> Work-Based Learning	7.5	15	Core				

#### Part 4 Group 1

You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">CENV6147</a> Climate Change, Energy and Settlements	7.5	15	Option	<a href="#">BIOL6028</a> Global Change Biology (suspended for 2020/21)	7.5	15	Option
<a href="#">SOES6007</a> Biogeochemical Cycles in the Earth System	7.5	15	Option				

#### Part 4 Group 2

You must select a minimum of 0 ECTS/0 CATS to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">BIOL6027</a> Regulation of Gene Expression	7.5	15	Option	<a href="#">CENV6090</a> Energy Resources and Engineering	7.5	15	Option
<a href="#">BIOL6066</a> Biodiversity and Conservation	7.5	15	Option	<a href="#">CENV6112</a> Transport, Energy and the Environment	7.5	15	Option
<a href="#">ENVS6037</a> The Sustainability Professional (MSc)	7.5	15	Option	<a href="#">CENV6172</a> River and Estuary Restoration	7.5	15	Option
<a href="#">GEOG6095</a> GIS for Environmental Management	7.5	15	Option	<a href="#">ENVS6036</a> Advanced GIS and Spatial Analysis	7.5	15	Option
				<a href="#">GEOG6009</a> River Basin Management and Restoration	7.5	15	Option
				<a href="#">GEOG6094</a> GIS for Analysis of Health	7.5	15	Option

	<a href="#">GEOG6109</a> Programming for GIS and Spatial Analyses	7.5	15	Option
	<a href="#">SOES6011</a> Sea Level Rise and Coastal Management	7.5	15	Option
	<a href="#">SOES6017</a> Introductory Remote Sensing of the Ocean	7.5	15	Option
	<a href="#">SOES6021</a> Ecological Modelling	7.5	15	Option

## Programme Structure

### 8445 MEnvSci Environmental Science: Sustainable Environmental Management pathway programme structure

Where optional modules have been specified, the following is an indicative list of available optional modules, which are subject to change each academic year. Please note that, in some instances, modules have limited spaces available.

#### Part 1

You must complete all Core and Compulsory modules.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS1004</a> Environmental Science: Concepts and Communication	7.5	15	Core	<a href="#">BIOL1003</a> Ecology and Evolution	7.5	15	Comp
<a href="#">ENVS1005</a> Quantitative Methods	7.5	15	Core	<a href="#">ENVS1006</a> Environmental Science: Research and Applications	7.5	15	Core
<a href="#">GEOG1011</a> Dangerous World	7.5	15	Comp	<a href="#">ENVS1007</a> Environmental Field Techniques and Applications	7.5	15	Core
<a href="#">SOES1008</a> Earth and Ocean System	7.5	15	Comp	<a href="#">GEOG1001</a> The Earth System	7.5	15	Comp

#### Part 2

You must complete all Core modules.

You must choose 30 ECTS/60 CATS of optional modules in total.

**You must select a minimum of 22.5 ECTS/45 CATS to a maximum of 30 ECTS/60 CATS of optional modules from Group 1. You must select a minimum of 0 ECTS/0 CATS up to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.**

**Please ensure that you select an even split of credits overall by semester including your compulsory modules.**

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS2007</a> Environmental Pollution	7.5	15	Core	<a href="#">ENVS2014</a> Sustainability (No-Fly Field Course)	7.5	15	Core
<a href="#">GEOG2010</a> Introductory Geographic Information Systems	7.5	15	Core	<a href="#">ENVS2006</a> Environmental Impact Assessment	7.5	15	Core

#### Part 2 Group 1

You must select a minimum of 22.5 ECTS/45 CATS to a maximum of 30 ECTS/60 CATS of optional modules from Group 1.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">DEMO2010</a> Population Change in Low and Middle Income Countries	7.5	15	Option	<a href="#">DEMO2005</a> Population Processes in High Income Countries	7.5	15	Option
<a href="#">GEOG2039</a> Concepts and Methods for Environmental Management	7.5	15	Option	<a href="#">GEOG2032</a> Global Climate Change: Science, Impacts and Policy	7.5	15	Option
<a href="#">SOES2003</a> Geohazards and Earth Resources	7.5	15	Option	<a href="#">GEOG2040</a> Coastal Landscapes and Human Interactions	7.5	15	Option

#### Part 2 Group 2

You must select a minimum of 0 ECTS/0 CATS to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">BIOL2001</a> Evolution	7.5	15	Option	<a href="#">BIOL2007</a> Plant Development and Function	7.5	15	Option
<a href="#">BIOL2004</a> Pure and Applied Population Ecology	7.5	15	Option	<a href="#">BIOL2039</a> Animal Behaviour	7.5	15	Option

<a href="#">ENVS2003</a> Freshwater Ecosystems	7.5	15	Option	<a href="#">GEOG2006</a> Quaternary Environmental Change	7.5	15	Option
<a href="#">GEOG2007</a> Remote Sensing for Earth Observation	7.5	15	Option	<a href="#">GEOG2021</a> Advanced Geographical Information Systems	7.5	15	Option
<a href="#">GEOG2037</a> Global Water Resources	7.5	15	Option	<a href="#">PHYS2015</a> Introduction to Energy in The Environment	7.5	15	Option
<a href="#">SOES2011</a> Marine Vertebrates	7.5	15	Option	<a href="#">SOES2006</a> Phytoplankton and Primary Production	7.5	15	Option
<a href="#">SOES2024</a> Coastal Ocean Processes	7.5	15	Option	<a href="#">SOES2017</a> Marine Benthic Ecology	7.5	15	Option
LANGXX15 Language Module	7.5	15	Option	LANGXX15 Language Module	7.5	15	Option
<a href="#">UOSM2004</a> Global Health	7.5	15	Option				
<a href="#">UOSM2022</a> Social Enterprise	7.5	15	Option				

### Part 3

You must complete all Core modules.

You must choose 22.5 ECTS/45 CATS of optional modules in total.

**You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1. You must select a minimum of 0 ECTS/0 CATS up to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.**

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS3019</a> Individual Project (Full Year Module)					15	30	Core
<a href="#">ENVS3024</a> Literature Review	7.5	15	Core	<a href="#">ENVS3023</a> Advanced Quantitative Methods (UG)	7.5	15	Core
				<a href="#">ENVS3013</a> Environmental Law and Management	7.5	15	Core

### Part 3 Group 1

You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS3014</a> Sustainable Resource Management	7.5	15	Option	<a href="#">ENVS3020</a> Air Quality and Environmental Pollution	7.5	15	Option
<a href="#">ENVS3017</a> The Sustainability Professional	7.5	15	Option	<a href="#">GEOG3023</a> River Basin Management and Restoration	7.5	15	Option
<a href="#">GEOG3010</a> Environment and Health	7.5	15	Option				
<a href="#">GEOG3057</a> Adapting to Climate Change and Weather Hazards	7.5	15	Option				

### Part 3 Group 2

You must select a minimum of 0 ECTS/0 CATS to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.

**You must NOT select GEOG3006 if you have previously taken GEOG2021.**

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">BIOL3053</a> Biodiversity and Conservation	7.5	15	Option	<a href="#">BIOL3010</a> Evolution and Genetics	7.5	15	Option
<a href="#">BIOL3072</a> Behavioural Ecology	7.5	15	Option	<a href="#">BIOL3051</a> Applied Plant Biology	7.5	15	Option
<a href="#">GEOG3020</a> Glaciers and Glaciation	7.5	15	Option	<a href="#">ENVS3022</a> Tropical Ecology and Conservation	7.5	15	Option
<a href="#">GEOG3048</a> Desert Landscapes: Modelling and Measuring Aeolian Systems	7.5	15	Option	<a href="#">GEOG3006</a> Advanced Geographical Information Systems	7.5	15	Option
<a href="#">SOES3011</a> Biogeochemical Cycles in the Earth System	7.5	15	Option	<a href="#">GEOG3062</a> Migration and Development	7.5	15	Option
<a href="#">SOES3013</a> Zooplankton Ecology and Processes	7.5	15	Option	<a href="#">GEOG3068</a> Biogeography	7.5	15	Option

<a href="#">SOES3015</a> Palaeoclimate Change	7.5	15	Option	<a href="#">SOES3029</a> Seafloor Exploration and Surveying	7.5	15	Option
<a href="#">SOES3017</a> Marine Fisheries Ecology	7.5	15	Option				
<a href="#">UOSM2004</a> Global Health	7.5	15	Option				
<a href="#">UOSM2022</a> Social Enterprise	7.5	15	Option				

#### Part 4

You must complete all Core modules.

You must choose 22.5 ECTS/45 CATS of optional modules in total.

**You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1. You must select a minimum of 0 ECTS/0 CATS up to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.**

To graduate from MEnvSci, you must complete 120 credits at Masters level; 75 credits will come from the core Part 4 curriculum. 45 credits will be completed in Part 4, but you can use forward and back-tracking to complete the required credits over both Parts 3 and 4. You may backtrack in Part 4 if you completed sufficient Masters level credits in Part 3 to meet the 120 credit requirement.

Some modules are dual coded. You are not permitted to take a module if you have previously taken the partner module:

<a href="#">ENVS6003</a>	<a href="#">BIOL6044</a>	<a href="#">SOES6009</a>	<a href="#">GEOG6009</a>	<a href="#">BIOL6066</a>	<a href="#">BIOL6096</a>
<a href="#">ENVS2003</a>	<a href="#">BIOL3003</a>	<a href="#">SOES3013</a>	<a href="#">GEOG3023</a>	<a href="#">BIOL3053</a>	<a href="#">BIOL3074</a>
<a href="#">ENVS6037</a>	<a href="#">GEOG6027</a>	<a href="#">SOES6007</a>	<a href="#">BIOL6029</a>	<a href="#">BIOL6046</a>	
<a href="#">ENVS3017</a>	<a href="#">GEOG2007</a>	<a href="#">SOES3011</a>	<a href="#">BIOL3010</a>	<a href="#">BIOL3051</a>	

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">ENVS6009</a> Advanced Research Project (Full Year Module)					30	60	Core
<a href="#">ENVS6010</a> Work-Based Learning	7.5	15	Core				

#### Part 4 Group 1

You must select a minimum of 15 ECTS/30 CATS to a maximum of 22.5 ECTS/45 CATS of optional modules from Group 1.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">CENV6147</a> Climate Change, Energy and Settlements	7.5	15	Option	<a href="#">CENV6112</a> Transport, Energy and the Environment	7.5	15	Option
<a href="#">ENVS6037</a> The Sustainability Professional (MSc)	7.5	15	Option	<a href="#">GEOG6009</a> River Basin Management and Restoration	7.5	15	Option

#### Part 4 Group 2

You must select a minimum of 0 ECTS/0 CATS to a maximum of 7.5 ECTS/15 CATS of optional modules from Group 2.

Semester 1				Semester 2			
Modules	ECTS	CATS	Module type	Modules	ECTS	CATS	Module Type
<a href="#">BIOL6066</a> Biodiversity and Conservation	7.5	15	Option	<a href="#">BIOL6029</a> Evolution and Genetics	7.5	15	Option
<a href="#">GEOG6027</a> Remote Sensing for Earth Observation	7.5	15	Option	<a href="#">CENV6090</a> Energy Resources and Engineering	7.5	15	Option
<a href="#">GEOG6095</a> GIS for Environmental Management	7.5	15	Option	<a href="#">CENV6172</a> River and Estuary Restoration	7.5	15	Option
				<a href="#">ENVS6036</a> Advanced GIS and Spatial Analysis	7.5	15	Option
				<a href="#">GEOG6094</a> GIS for Analysis of Health	7.5	15	Option
				<a href="#">GEOG6109</a> Programming for GIS and Spatial Analyses	7.5	15	Option
				<a href="#">SOES6017</a> Introductory Remote Sensing of the Ocean	7.5	15	Option