



BACHELOR OF CLIMATE SCIENCE AND ADAPTATION

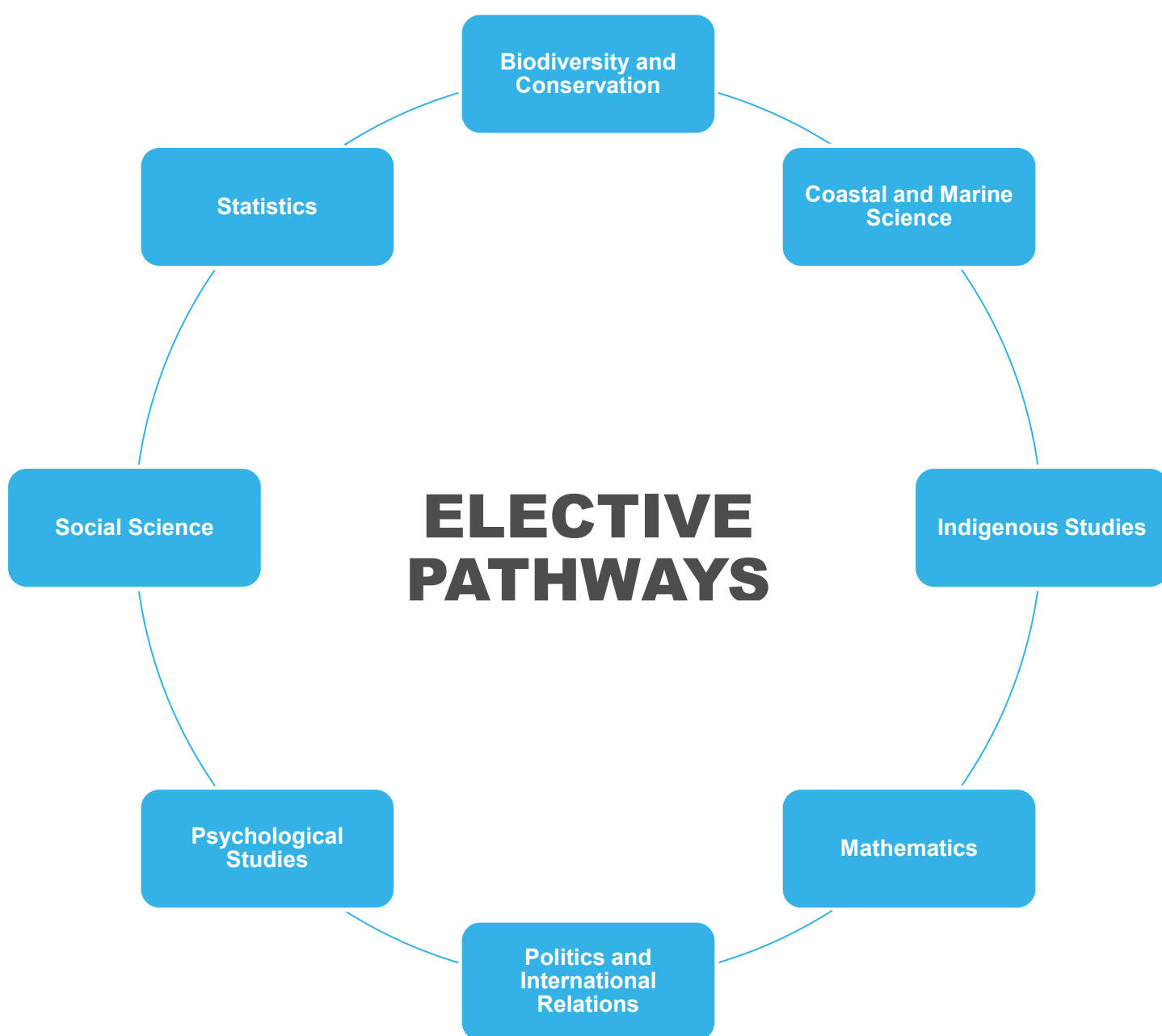
ELECTIVE PATHWAYS

These pathways have been created to provide guidance for Bachelor of Climate Science and Adaptation students wishing to use their electives to study a complementary field.

Each pathway has been selected to complement the content of the Bachelor of Climate Science and Adaptation program with consideration of assumed knowledge and requisites.

Please note that these pathways are suggestions only, they are not compulsory and will not be recorded on your transcript or graduation documents. It is not guaranteed that each course will run every year.

Students who commence an elective pathway are not required to complete all 40 units from that pathway for their electives. Students are welcome to enrol in any elective provided that they satisfy the requisites, and they adhere to the rules regarding maximum number of 1000 level courses and the minimum number of 3000 level courses in their program. For a full list of UON courses, visit the [course handbook](#).



BIODIVERSITY AND CONSERVATION

Complete the following

BIOL1002	Organisms to Ecosystems
ENVS2005	Management of Australian Flora
ENVS2006	Ecology and Management of Wildlife

Complete 10 units from the following

ENVS3003*	Conservation Biology
ENVS3005	Animal Behaviour

* Please note that ENV3003 has assumed knowledge that is not part of the B Climate Science and Adaptation program. However completion of ENVS1001 and SCIE1002 (core courses) and ENVS2006 (compulsory course for this pathway) will give students equivalent assumed knowledge.

COASTAL AND MARINE SCIENCE

Complete the following

MARI1000	Our Oceans
MARI2300*	Marine Biology
MARI3300*	Integrated Coastal Ecosystems

Complete 10 units from the following

ENVS2004*	Ecology
MARI2500*	Coastal and Marine Ecosystem Services

* Please note that these courses have assumed knowledge that is not part of the B Climate Science and Adaptation program. However completion of the following core/elective pathway courses will give students equivalent assumed knowledge.

ENVS2004: ENVS1001 and SCIE1002

MARI2300: ENVS1001 and SCIE1002

MARI2500: ENVS1001 and SCIE2223

MARI3300: SCIE2223 and one course from ENVS2004 or MARI2500

INDIGENOUS STUDIES

Complete the following

ABOR2243	Indigenous People, Global Warming and the Environment
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Complete 20 units from the following

ABOR1001	Welcome to Critical Indigenous Studies
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ABOR1110	Introduction to Aboriginal Studies
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ABOR2330	Traditional Aboriginal Society
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Complete 10 units from the following

ABOR3021	Australian Indigenous Language and Cultural Issues Today
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ABOR3024	Aboriginal Community Development and Advocacy
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ABOR3080	Indigenous Research
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ABOR3440	Indigenous Health Around the World
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MATHEMATICS

This elective pathway has been designed for those who have completed MATH1110 as their Mathematics Directed course.

Complete the following

MATH1120	Mathematics for Engineering, Science and Technology 2
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MATH2340	Linearity and Continuity 1
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MATH3820	Numerical Methods
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Complete 10 units from the following

MATH1800	Mathematical Modelling
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MATH2310	Calculus of Science and Engineering
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MATH2242	Complex Analysis
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MATH2350	Linearity and Continuity 2
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MATH2800	Ordinary Differential Equations
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POLITICS AND INTERNATIONAL RELATIONS

Complete the following

POLI1010	Australian Politics and Government
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POLI1020	Introduction to Politics
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Complete 10 units from the following

POLI2200	The Global Politics of Indigenous People
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POLI2203	International Political Economy and Global Development
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Complete 10 units from the following

POLI3180	Politics, Policy and Government
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POLI3203	Democracy in the 21st Century: Local Power, Policy and Participatory Politics
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PSYCHOLOGICAL STUDIES

Complete the following

PSYC1010	Psychology Introduction 1
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PSYC1020	Psychology Introduction 2
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Complete 10 units from the following

PSYC2500	Introduction to Mental Health and Mental Disorders
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PSYC2505*	Foundations of Psychology and Sociology for Health Professionals
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PSYC2600	Personality and Social Psychology
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PSYC2800	Special Topics in Psychology
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Complete 10 units from the following

PSYC3001	Advanced Psychological Measurement
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PSYC3301	Advanced Perception and Learning in Psychology
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PSYC3500	Advanced Health Psychology
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PSYC3600*	Advanced Social and Organisational Psychology
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PSYC3700	Advanced Developmental Psychology and Developmental Psychopathology
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PSYC3800*	Advanced Special Topics in Psychology
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* Please note that these courses have assumed knowledge that is not part of the B Climate Science and Adaptation program.

PSYC2505 – has assumed knowledge of first year bioscience, however the psychology discipline has confirmed that students can enrol in this course if they do not have the assumed knowledge.

PSYC3600 – has assumed knowledge of 20 units of 2000 level PSYC courses including PSYC2600, however the psychology discipline has confirmed that completion of only PSYC2600 will be sufficient.

PSYC3800 – has assumed knowledge of 20 units of 2000 level PSYC courses, however the psychology discipline has confirmed that completion of only 10 units of 2000 level PSYC courses will be sufficient. Please contact the Course Coordinator for further advice if you are interested in enrolling in this course as the topics offered vary each year.

SOCIAL SCIENCE

Complete the following

SOCA1010	Society and Culture: A Sociological Introduction
SOCA2400	Future Societies: Beyond Capitalist Globalization
SOCS3100	Policy Development, Program Management and Evaluation

Complete 10 units from the following

GEOG1030	Global Poverty and Development
SOCA2065	Environment and Society
SOCA2020	Society, Space and Power
SOCS2300	Ethical Debates in the Social Sciences

STATISTICS

This elective pathway has been designed for those who have completed MATH1110 as their Mathematics Directed course.

Complete the following

STAT1300	Fundamentals of Statistics
STAT2000	Applied Statistics and Research Methods

Complete 10 units from the following

SENG1110	Object Oriented Programming
STAT1100	Data Wrangling and Visualisation
STAT2020	Predictive Analytics
STAT2300	Statistical Inference

Complete 10 units from the following

STAT3030	Generalised Linear Models
STAT3040	Forecasting with Linear Time Series Models
STAT3100	Systems Thinking for an Integrated Workforce

Frequently Asked Questions

What is an elective pathway?

An elective pathway is where you use your electives to specialise in courses from a subject area that is complementary to your program. The elective pathways have been designed to complement your program and ensure that you will be meet the prerequisites/assumed knowledge to enrol.

Will there be an elective pathway in public health?

A public health elective pathway is currently being developed and we hope to be able to offer this very soon. Students who are interested in completing a public health elective pathway should complete PUBH1080 Studies in Population Health and Health Promotion for their first elective.

Do I have to complete an elective pathway?

You do not have to complete an elective pathway. If you do not want to complete an elective pathway you just need to complete your 40 units of electives by choosing courses that you meet the requirements to enrol in. You also need to make sure 10 units of your electives are at 3000 level and no more than 20 units are at 1000 level.

Will my transcript say I have completed an elective pathway?

Your transcript and graduation documents will not state that you have completed an elective pathway. However, the names of the courses you complete will appear on your transcript which will help you to explain to future employers that you have completed 40 units in that particular subject area.

I want to complete an elective pathway but I'm not sure what one to choose?

You can contact your Program Convenor, Anthony Kiem at Anthony.Kiem@newcastle.edu.au to discuss what pathway would best suit your interests and career plans.

What should I complete for my electives if I don't want to complete an elective pathway?

If you don't want to complete an elective pathway then you should look for electives that interest you. There are lots of different courses available and you do not have to complete all your electives in the same subject area. However, keep in mind that you need to complete 10 units of electives at 3000 level and you cannot complete more than 20 units at 1000 level. More information about electives and how to choose them can be found [here](#).

Can I change elective pathways?

If you start an elective pathway and decide you would prefer to complete another, you may not have completed the 1000 or 2000 level courses that prepare you for the 3000 level course. You should check the assumed knowledge and requisites of the courses in the elective pathway you want to change to. You can also contact programadvice@newcastle.edu.au for further enrolment advice.

If I start an elective pathway do I have to finish it?

No, you do not have to complete an elective pathway even if you start completing courses from that pathway. The elective pathways are optional and you can decide not to continue. However, you should seek enrolment advice from programadvice@newcastle.edu.au to make sure your planned enrolment will still meet the requirements to graduate.

I have received credit for electives, can I still complete an elective pathway?

You cannot complete more than 240 units for your program so if you have received credit for an elective or electives then you will not be able to complete all 40 units from an elective pathway. Please contact programadvice@newcastle.edu.au to discuss what elective pathway you want to complete.

The subject area I'm interested in doesn't have an elective pathway, what should I do?

You can use your electives to complete the courses you're interested in even if they aren't already an elective pathway. However, keep in mind that you need to complete 10 units of electives at 3000 level and you cannot complete more than 20 units at 1000 level. You can contact your Program Convenor, Anthony Kiem at Anthony.Kiem@newcastle.edu.au to seek advice about electives to complete and suggest that an elective pathway in this area be created.