



THE UNIVERSITY OF  
**AUCKLAND**  
Te Whare Wānanga o Tāmaki Makaurau  
NEW ZEALAND

**SCIENCE**

# Welcome to Geography at the School of Environment

Geography is one of the core subjects offered by the School of Environment at the University of Auckland. We offer a diverse range of teaching programmes and opportunities for postgraduate study.



Postgraduate study in Geography is an excellent step towards a number of careers and is a strong foundation for postgraduate research. The School of Environment provides the opportunity to undertake research across a range of topics alongside many of New Zealand's leading scientists and social scientists.

We have an impressive array of field equipment and analytical facilities to support our research activities, and a talented group of postgraduate students from around the world who help to provide a stimulating and supportive environment for your studies.

I am confident that you will find studying Geography at the University of Auckland a satisfying and rewarding experience, and we look forward to working with you to meet your academic goals.

PROFESSOR PAUL KENCH  
Head  
School of Environment

The School of Environment houses a vibrant community of more than 50 instructors and researchers. Collectively, this mix of interests creates a rich training and research environment.

New Zealand and the South Pacific region offer an exciting environmental laboratory to examine a range of globally relevant research questions. Our location in Auckland provides a perfect gateway to access this unique natural laboratory.

Geography is



no.  
**ranked**

**38**

in the world\*

\* QS World University Rankings by subject 2016

# Postgraduate studies in Geography

Geography is the study of people and place through economic, environmental, social and political processes. The School of Environment hosts a geography programme of international standing that covers the breadth of human, physical and geospatial specialities.

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Our graduates are well regarded in New Zealand and internationally and many have gone on to establish high-profile, influential careers in the private and public sectors, as well as academia. A postgraduate degree in Geography provides a broad-based foundation for developing a successful and rewarding career in a range of dynamic occupations. Postgraduate training provides for an advanced level of knowledge, as well as contributing to the development of skills that are sought by employers. For some career paths, a postgraduate degree is much more than an advantage - it is a necessity.

A postgraduate qualification in Geography gives students a strong competitive edge in the employment market, not just by virtue of the qualification, but also because of the high reputation of qualifications granted by the University of Auckland.

Students are given the opportunity to extend their understanding of the human and natural

environments, establishing the foundation for interesting careers in such areas as resource management, hydrology and water resources, coastal management, climatology, social, economic and environmental research, health research, business management and analysis, geographic information studies, economics and market research, education and academia, policy development and analysis, research management and community advocacy.

Participants in postgraduate geography programmes gain other important work skills including:

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Advanced communication skills

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Critical thinking and reflection

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Computer processing and analysis skills

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Ethical awareness and citizenship

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Information capture, processing and analysis

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Project and time management

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Report preparation

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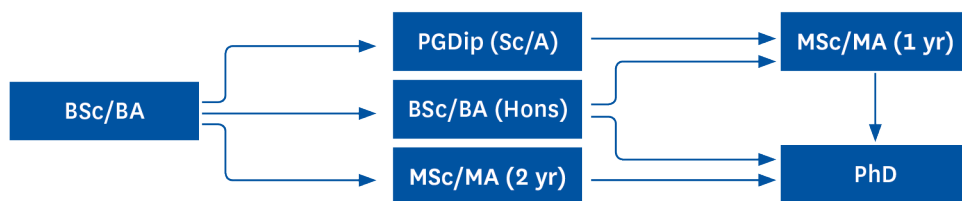
Research design and practice

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*Geography field trip. Photo credit: Kat Wall*



# Geography qualifications pathway



## Postgraduate Diploma in Science/ Arts

The Postgraduate Diploma in Science (PGDipSci) and the Postgraduate Diploma in Arts (PGDipArts), geography specialisation are one-year, full-time programmes worth 120 points. Both can be started in either Semester One or Semester Two and are made up of eight courses, as specified below. The Postgraduate Diploma (PGDipSci or PGDipArts) is available for students who have a BSc or BA with at least a C+ average in their best three Geography courses at Stage III.

## Bachelor of Science (Honours) / Arts (Honours)

The BSc(Hons) and BA(Hons) degrees are 120 point programmes completed over one year for full-time students, or two years of part-time study. Full-time students must commence their studies in Semester One. The programmes include six courses from the list on the following page, plus a 30 point Dissertation (GEOG 789), which must be undertaken in Semester Two. The BSc(Hons) is available for students who have a BSc in Geography including at least 90 points at Stage III, and attained at least a B average over 45 points at Stage III in Geography. The BA(Hons) is available for students who have a BA in Geography, who achieved at least a B average over 45 points in Stage III Geography courses.

## Masters of Science/Arts

The Master of Science (MSc) and Master of Arts (MA) programmes in Geography are research degrees. These are normally taken as:

- **120 point MSc/MA:** Students will have completed a one year (full-time) programme following a PGDipSci, BSc(Hons), PGDipArts or BA (Hons), and undertake a year-long, supervised research project to complete their masters.
- **240 point MSc/MA:** Students will have completed a BSc or BA. The first year programme is the same for the PGDipSci and PGDipArts. Students then complete a year-long, supervised research project.

In both options students must have an approved research proposal and the support of a supervisor in order to commence the research project. Admission to the MSc requires an average grade equivalent to at least B- over 90 points in the qualifying programme. Admission to the MA requires a B average over the qualifying programme. All options may be taken also on a part-time basis.

## Doctor of Philosophy(PhD)

The degree of Doctor of Philosophy (PhD) is a 3-4 year research degree that may be taken after an MSc, or in some cases following BSc(Hons) or BA(Hons).



# The BSc(Hons), BA(Hons), PGDipSci, PGDipArts, and first year of 2-year MSc and MA (Geography) programmes

One core, research preparation course (15 points)

GEOG 701 · (15 points)  
Research in Practice

For BSc(Hons) at least four courses from the following (60 points) OR for BA(Hons), PGDipSci, PGDipArts, MSc and MA at least five courses from the following (75 points)

EARTHSCI 705 · (15 points)  
Geohazards

EARTHSCI 713 · (15 points)  
Tectonic Geomorphology

EARTHSCI 732 · (15 points)  
Reconstructing  
Environmental Change

ENVMGT 741 · (15 points)  
Social Change  
for Sustainability

ENVMGT 742 · (15 points)  
Social Dimensions of  
Global Environmental Change

ENVMGT 743 · (15 points)  
Environmental Policy

ENVMGT 744 · (15 points)  
Resource Management

ENVMGT 746 · (15 points)  
Collaborative  
Environmental Management

ENVSCI 704 · (15 points)  
Modelling of Environmental  
Systems

ENVSCI 713 · (15 points)  
Air Quality  
and Atmospheric Processes

ENVSCI 737 · (15 points)  
Applied Terrestrial Ecology

ENVSCI 738 · (15 points)  
Water and Society

GEOG 712 · (15 points)  
Land, Place and Culture

GEOG 714 · (15 points)  
Population, Mobilities  
and Wellbeing

GEOG 715 · (15 points)  
Development and New  
Regional Geographies

GEOG 719 · (15 points)  
Geographies of Housing  
and Urban Change

GEOG 725 · (15 points)  
People, Participation  
and Development

GEOG 730 · (15 points)  
Climate Change: Past,  
Present and Future

GEOG 737 · (15 points)  
Policy and Expertise

GEOG 745 · (15 points)  
Applied  
Fluvial Geomorphology

GEOG 746 · (15 points)  
Applied  
Coastal Geomorphology

GEOG 748 · (15 points)  
Current Issues  
in Coastal Management

GEOG 749 · (15 points)  
Climate and Society

GEOG 771 · (15 points)  
Spatial Analysis  
and Geocomputation

GEOG 772 · (15 points)  
Advanced  
Raster Data Analysis

GEOG 774 · (15 points)  
Advanced  
Spatial Data Handling

For BSc(Hons) and BA(Hons) only (30 points)

GEOG 789 · (30 points)  
Honours Dissertation  
in Geography

For BSc(Hons) up to one course (15 points) OR for PGDipSci, PGDipArts, MSc and MA, up to two courses (30 points) from 700-level courses as approved by the Programme Adviser for Geography

# Postgraduate research in Geography

Postgraduate research is highly valued and forms an important part of the PGDipSci, PGDipArts, BSc(Hons), BA(Hons), MSc, MA and PhD programmes in Geography. The following research themes identify the expertise of geography at the University of Auckland.

## Climate and Society

Research in this theme deals with sensitivity of physical and human environments to climate. Themes are drawn from hydrology, agriculture, human health, eco-systems and energy, among others.

## Urban Spaces / Social Lives

Researchers explore intersections of social life with urban and more-than-urban spaces, encompassing the study of inequality, social difference and urban form, as well as processes emergent in households, asylums, migration and disasters.

## Political Ecologies and Environmental Justice

Research in this theme critiques environmental management, biopolitical interventions and their socio-cultural implications for equity, Indigenous environmental claims, community capacities and public participation.

## Population, Mobilities and Wellbeing

Research in this theme investigates the changing nature of population dynamics and the multiple determinants of wellbeing viewed through the lens of mobility.

## Hazards and Disasters

Research in this theme covers the breadth of hazards and disasters, from the underlying physical processes themselves and methods of assessment, through to people's vulnerabilities and capacities, and risk assessment and management.

## Coasts and Rivers

The Coasts and Rivers group investigate the natural processes operating on the landscape, across a range of temporal and spatial scales, from catchment to cobble, from Holocene to a few days.

## Our Changing Forests

Researchers in this theme are concerned with the dynamics of forest environments past, present and future encompassing the long-term dynamics of social, ecological and climatic interactions with forests.

## Urban Environments and Ecology

Our research addresses how bio-physical systems operate in urban areas, the role of humans in driving terrestrial, aquatic and atmospheric processes, and the implications for governance, design and restoration.

Suggested topics may be found on the School of Environment webpage.

See [www.env.auckland.ac.nz/research](http://www.env.auckland.ac.nz/research) for more information.



The Faculty of Science has

**7600**  
students

13% of these are  
international students

# Geography academic staff

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**Paul Augustinus** | Associate Professor  
Paleoclimatology, landscape evolution

**Tom Baker** | Lecturer  
Policy, social services, cities

**Ann E. Bartos** | Lecturer  
Feminist political ecology, food, youth

**Gretel Boswijk** | Senior Lecturer  
Dendrochronology, environmental change

**Melissa Bowen** | Senior Lecturer  
Oceanography, estuarine dynamics

**Gary Brierley** | Professor  
River science and management

**Giovanni Coco** | Associate Professor  
Coastal processes, estuarine morphodynamics

**Francis Collins** | Senior Lecturer  
Migration, cities, diversity, politics

**Brad Coombes** | Senior Lecturer  
Resources, rights, political ecology

**Mark Dickson** | Senior Lecturer  
Coastal processes, geomorphic models

**Karen Fisher** | Senior Lecturer  
Water governance, development

**Murray Ford** | Senior Lecturer  
Coral reefs, coastal processes, remote sensing

**Anthony Fowler** | Associate Professor  
Climate change, hydroclimatology

**Ward Friesen** | Senior Lecturer  
Population, migration, development

**JC Gaillard** | Associate Professor  
Disasters, participation, development

**Jay Gao** | Associate Professor  
GIS, remote sensing, image analysis

**Robin Kearns** | Professor  
Culture, health, cities, communities

**Paul Kench** | Professor  
Coastal processes, coral reefs

**Agnieszka Leszczynski** | Lecturer  
GIScience, spatial big data & society,  
geoinformation, geospatial technologies,  
geolocation economies

**Nicolas Lewis** | Associate Professor  
Cultural economy, food, education

**Laurence Murphy** | Professor  
Housing, Urban Change

**Susan Owen** | Senior Lecturer  
Environment, health, voluntary sector

**Meg Parsons** | Lecturer  
Climate adaptation, policy, justice

**George Perry** | Professor  
Forest ecology, fire, spatial modelling

**Jennifer Salmond** | Senior Lecturer  
Urban meteorology, air pollution

**Sam Trowsdale** | Senior Lecturer  
Water governance, urban water

**Jon Tunnicliffe** | Lecturer  
Fluvial geomorphology, near surface geophysics

**Hong-key Yoon** | Associate Professor  
Culture, environmental attitudes

# Helpful information

Academic dates	<a href="http://www.auckland.ac.nz/dates">www.auckland.ac.nz/dates</a>
Accommodation	<a href="http://www.accommodation.auckland.ac.nz">www.accommodation.auckland.ac.nz</a>
Apply for postgraduate study	<a href="http://www.auckland.ac.nz/applynow">www.auckland.ac.nz/applynow</a>
Career Development and Employment Services	<a href="http://www.cdes.auckland.ac.nz">www.cdes.auckland.ac.nz</a>
Childcare	<a href="http://www.auckland.ac.nz/childcare">www.auckland.ac.nz/childcare</a>
Degree planning and course advice	<a href="http://www.science.auckland.ac.nz/student-centre">www.science.auckland.ac.nz/student-centre</a>
Disability Services	<a href="http://www.disability.auckland.ac.nz">www.disability.auckland.ac.nz</a>
How to enrol	<a href="http://www.auckland.ac.nz/enrolment">www.auckland.ac.nz/enrolment</a>
Information for postgraduate students	<a href="http://www.postgraduate.ac.nz">www.postgraduate.ac.nz</a>
International students	<a href="http://www.international.auckland.ac.nz">www.international.auckland.ac.nz</a>
Libraries and Learning Services	<a href="http://www.library.auckland.ac.nz">www.library.auckland.ac.nz</a>
Māori and Pacific students	<a href="http://www.science.auckland.ac.nz/tuakana">www.science.auckland.ac.nz/tuakana</a>
Need help?	<a href="http://www.askauckland.ac.nz">www.askauckland.ac.nz</a>
Postgraduate Student's Association	<a href="http://www.pgsa.org.nz">www.pgsa.org.nz</a>
Rainbow Science Network for LGBTI students	<a href="http://www.science.auckland.ac.nz/rainbowsience">www.science.auckland.ac.nz/rainbowsience</a>
Scholarships, awards and fees	<a href="http://www.scholarships.auckland.ac.nz">www.scholarships.auckland.ac.nz</a>
	<a href="http://www.auckland.ac.nz/fees">www.auckland.ac.nz/fees</a>
	<a href="http://www.auckland.ac.nz/studentloansandallowances">www.auckland.ac.nz/studentloansandallowances</a>
Support for Science students	<a href="http://www.science.auckland.ac.nz/support">www.science.auckland.ac.nz/support</a>

## Questions about Geography? Email [environment@auckland.ac.nz](mailto:environment@auckland.ac.nz)



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**Associate Professor Hong-key Yoon**

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### Disclaimer

Although every reasonable effort is made to ensure accuracy, the information in this document is provided as a general guide only for students and is subject to alteration. All students enrolling at the University of Auckland must consult its official document, the University of Auckland Calendar, to ensure that they are aware of and comply with all regulations, requirements and policies.



THE UNIVERSITY OF  
**AUCKLAND**  
NEW ZEALAND

### NEW ZEALAND CITIZENS OR PERMANENT RESIDENTS

Student Information Centre  
The ClockTower, Ground Floor,  
22 Princes Street, Auckland 1010

Phone: 0800 61 62 65

Email: [postgradinfo@auckland.ac.nz](mailto:postgradinfo@auckland.ac.nz)

Web: [www.postgraduate.ac.nz](http://www.postgraduate.ac.nz)

AskAuckland: [www.askauckland.ac.nz](http://www.askauckland.ac.nz)

### INTERNATIONAL STUDENTS

International Office  
The University of Auckland  
Private Bag 92019, Auckland 1142  
New Zealand.

#### Street Address:

Old Choral Hall,  
7 Symonds Street, Auckland.

Phone: +64 9 923 1969

Email: [int-questions@auckland.ac.nz](mailto:int-questions@auckland.ac.nz)

Web: [www.auckland.ac.nz/international](http://www.auckland.ac.nz/international)