



A quick guide to postgraduate Bioinformatics

Bioinformatics draws on computational methods to transform biological data into biological information. From the development to the application of these methods, the scope of bioinformatics has broad applicability in biology, biotechnology, and medicine.

The global availability of big data for human, animal, plant and microorganism systems has led to the development of new analysis techniques. Scientists require the combined skills of biology and computer science to exploit this data for various applications in biological and biomedical research.

Some of the courses available in this subject include:

- Advanced Phylogenetics
- Practical Approaches in Genomics
- Modelling Biological Processes
- Molecular Evolution and Conservation Genomics
- Microbial Genomics and Metabolism
- Advanced Biological Data Analysis
- Genomics and Gene Expression

Bioinformatics is central to modern biology. It involves creating and applying computational methods to biological data to help us better understand biology. Bioinformatics is a highly sought-after skill with broad applicability across all of biology, biotechnology, and medicine.



Explore and discover everything you need to know about studying postgraduate Bioinformatics:
science.auckland.ac.nz/pg-bioinformatics



SCIENCE



No. 1
In New Zealand
for Employability

QS World Rankings Graduate Employability,
number one in NZ and 59th Worldwide in 2020

AVAILABLE IN:

- ✓ **Master of Science (MSc)**
- ✓ **Doctor of Philosophy (PhD)**

You may also be interested in our programmes in Biological Sciences, Biotechnology, Chemistry, Computer Science, Data Science, Medicinal Chemistry and Statistics.

Our subject
is ranked
#1 in
New Zealand

QS World University Rankings
by Subject 2021

#1

Biological Sciences

Choosing your supervisor

Start early to avoid disappointment. Supervisors can usually only take a small number of students, so make sure you talk to them sooner rather than later.

Choose an area you feel passionate about. Undertaking research involves successes as well as challenges, so choosing a topic you are genuinely interested in will help you overcome challenges and get through the tough times.

Ensure you're compatible with your supervisor. Ask questions, seek advice and share your ideas with academic staff to find out their research interests, and whether you would be a good fit with their current projects.

Findathesis

Check out our searchable database of masters and doctoral supervisors and research projects that you can join at www.findathesis.auckland.ac.nz.

Guaranteed postgraduate scholarships

Did you know the University of Auckland offers guaranteed scholarships to high-achieving domestic postgraduate research students?

Apply for admission to your chosen postgraduate programme and the University will consider your eligibility for a scholarship at the same time.

Learn more: www.scholarships.auckland.ac.nz

Careers in Bioinformatics

There is a worldwide shortage of graduates with the combined skills postgraduate study in Bioinformatics provides.

Modern biological, biotechnology and biomedical research is being revolutionised by new developments in bioinformatics and computational biology. Demand for computer-literate, numerate biologists is predicted to continue growing strongly over the next few decades.

Our graduates find employment in biotechnology, pharmaceutical and bioinformatics companies in New Zealand and overseas, and in national and international research institutes and universities.

Our graduates are highly sought after and have been employed in a wide range of areas. Here are some of the careers that a degree in bioinformatics prepares you for:

- Research scientist
- Bioinformatician
- Data analyst
- Bioinformatics engineer
- Software developer
- Genome researcher
- Infectious disease monitoring

Have any questions? Our Science Advisers are happy to help

Phone: 0800 61 62 63

Email: scifac@auckland.ac.nz



twitter.com/ScienceUoA



facebook.com/science.uoa



science.auckland.ac.nz/pg-bioinformatics



Janet Stacey

Master of Science in Bioinformatics.

"Working in the field of forensic genomics, I began to understand that with advancements in the field, the reliance on data science and statistics has become really important. My laboratory experience and previous biology degrees did not contain enough of this type of knowledge."

"Career advancement in science can also be difficult and with my interest in computing, I felt that extending my knowledge in these areas would widen my job opportunities outside of the lab."

"The bioinformatics programme covers a wide range of applications from the analysis of sequencing data and databases to investigation of systems biology and phylogenetics."

"This programme opened my eyes to what I didn't know about the mechanisms of biological systems while teaching me analysis methods using R and Python."

"I feel a lot more confident with statistics and coding now and can definitely see applications of what I have learnt in the forensic biology field."

"The lecturers in the programme are world-leaders in the area and this made me feel comfortable that I'm learning the correct methods from people who actually understand them."

"I thought returning to university after so long in the workforce would be hard, but the amount of new knowledge I have been exposed to just made it exciting."

Haere tonu ki tōu ara pūtaiao i tō mātou Hāpori.

Continue your Science journey as part of our community.

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 [2021].

Thomas Building
SCHOOL OF BIOLOGICAL SCIENCES
MAURICE WILKINSON CENTRE



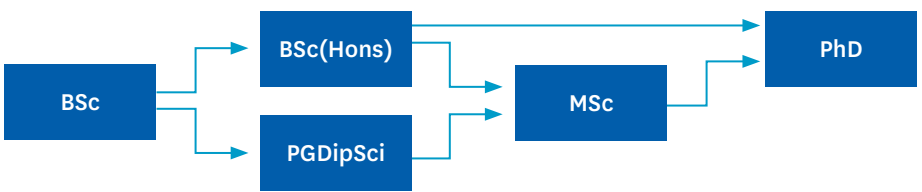
A quick guide to postgraduate Biological Sciences

Postgraduate study in Biological Sciences focuses on research. You may pursue a wide range of disciplines, from biomedical, microbial and plant biotechnology, to environmental, ecological and conservation science.

The School of Biological Sciences has strong links with industry, and you may have the opportunity to collaborate on research projects with other faculties, or companies such as AgResearch, the Department of Conservation and the Crown Research Institutes.

Some of the courses available in this subject include:

- Aquaculture
- Biogeography
- Bioinformatics
- Ecological Physiology
- Genomics and Gene Expression
- Marine Ecology
- Microbial Genomics and Metabolism
- Structural Biology



Explore and discover everything you need to know about studying postgraduate Biological Sciences:
science.auckland.ac.nz/pg-biological



No. 1
In New Zealand
for Employability

QS World Rankings Graduate Employability, number one in NZ and 59th Worldwide in 2020

AVAILABLE IN:

- ✓ **Bachelor of Science (Honours) (BSc(Hons))**
- ✓ **Postgraduate Diploma in Science (PGDipSci)**
- ✓ **Master of Science (MSc)**
- ✓ **Master of Ecology (MEcology)**
- ✓ **Doctor of Philosophy (PhD)**

You may also be interested in our programmes in Bioinformatics, Biotechnology, Biosecurity and



SCIENCE

Our subject is ranked
#1 in
New Zealand

QS World University Rankings
by Subject 2021

#1
Biological Sciences

Choosing your supervisor

Start early to avoid disappointment. Supervisors can usually only take a small number of students, so make sure you talk to them sooner rather than later.

Choose an area you feel passionate about. Undertaking research involves successes as well as challenges, so choosing a topic you are genuinely interested in will help you overcome challenges and get through the tough times.

Ensure you're compatible with your supervisor. Ask questions, seek advice and share your ideas with academic staff to find out their research interests, and whether you would be a good fit with their current projects.

Potential researchers can be identified within Biological Sciences at www.auckland.ac.nz/bio-sci-research

Guaranteed postgraduate scholarships

Did you know the University of Auckland offers guaranteed scholarships to high-achieving domestic postgraduate research students?

Apply for admission to your chosen postgraduate programme and the University will consider your eligibility for a scholarship at the same time.

Learn more: www.scholarships.auckland.ac.nz

Careers in Biological Sciences

Biological Sciences investigates all levels of life, from biological molecules to global ecosystems.

Postgraduate study in the Biological Sciences prepares you for a career in biodiversity, biosecurity and biotechnology as you acquire internationally competitive skills and training through the range of programmes we offer.

Our graduates pursue careers in government, industries, Crown Research Institutes and the private sector. Areas of work include: biomedical research, biotechnology, the food, brewing, dairy and pharmaceutical industries, conservation, plant protection and quarantine, education, environmental resource management and planning and much more.

Our graduates have been employed in the following jobs:

- Mineral observer, Mineral Services
- Senior vice president R&D, BioConsortia Inc
- Stock assessment scientist, Ocean Associates Inc (NOAA)
- Head of R&D, Color Genomics
- Bioinformatics lead, Commense Inc
- Marketing director, Eli Lilly and Company
- Cancer scientist, Peter MacCallum Cancer Centre

Have any questions? Our Science Advisers are happy to help

Phone: 0800 61 62 63

Email: scifac@auckland.ac.nz



twitter.com/ScienceUoA



facebook.com/science.uoa



science.auckland.ac.nz/pg-biological



Jaime Willis

Doctor of Philosophy in Biological Sciences.

"When I was younger watching David Attenborough I was inspired by all the weird and wonderful animals across the world. I was especially interested in animals that coped with environmental extremes.

"I was interested in understanding how these animals cope with these environmental conditions on a fundamental level, and how this may be applied to human pathologies in a translational manner.

"Hibernation/ hypometabolic states, for example, is a response to periods of scarcity (lack of food, water, oxygen) which enable some individuals to persist until conditions improve and life carries on.

"For my PhD in particular, if these hibernation/hypometabolic states are inducible in species that don't undergo them naturally, this opens the door for several translational interventions; from increasing survival time for organs during transplant surgeries to induced hibernation in astronauts during long-haul space voyages.

"The on-off switch for hibernation has many applications."

"I love solving problems and postgraduate degrees provide a fantastic opportunity to do this on a daily basis. You are also investigating phenomenon that don't have set answers, and as such requires novel ways of thinking to come up with solutions."

Haere tonu ki tōu ara pūtaiao i tō mātou Hāpori.

Continue your Science journey as part of our community.

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 [2021].



A quick guide to postgraduate Bioscience Enterprise

Blend the best of Science, Business and Law to gain the skills you need to move with confidence in the business world. Bioscience Enterprise teaches scientists to understand and protect the value of their research.

You'll learn how to translate breakthrough discoveries into high value products, strategies for commercialisation, key aspects of intellectual property law, valuation tools, and how to write a business plan.

If you are studying the Master of Bioscience enterprise you'll also complete a six-month industry internship, which offers a unique opportunity to put your skills into practice.

Some of the courses available in this subject include:

- Science Enterprise Research Methods
- Product Development and Regulatory Environments
- Current Issues in Bioscience Enterprise
- Accounting
- Intellectual property and commercialisation
- Biological Sciences
- Bioinformatics
- Applied Microbiology and Biotechnology



Explore and discover everything you need to know about studying postgraduate Bioscience Enterprise:
science.auckland.ac.nz/pg-biosci



SCIENCE



No. 1
In New Zealand
for Employability

QS World Rankings Graduate Employability,
number one in NZ and 59th Worldwide in 2020

AVAILABLE IN:

- ✓ **Postgraduate Diploma in Bioscience Enterprise (PGDipBioEnt)**
- ✓ **Master of Bioscience Enterprise (MBioEnt)**

You may also be interested in our programmes in biological sciences, biotechnology, bioinformatics, marketing, law and psychology.

Our subject
is ranked
#1 in
New Zealand

QS World University Rankings
by Subject 2021

#1

Biological Sciences

Choosing your supervisor

- Start early to avoid disappointment. Supervisors can usually only take a small number of students, so make sure you talk to them sooner rather than later.
- Choose an area you feel passionate about. Undertaking research involves successes as well as challenges, so choosing a topic you are genuinely interested in will help you overcome challenges and get through the tough times.
- Ensure you're compatible with your supervisor. Ask questions, seek advice and share your ideas with academic staff to find out their research interests, and whether you would be a good fit with their current projects.

Findathesis

Check out our searchable database of masters and doctoral supervisors and research projects that you can join at www.findathesis.auckland.ac.nz.

Guaranteed postgraduate scholarships

Did you know the University of Auckland offers guaranteed scholarships to high-achieving domestic postgraduate research students?

Apply for admission to your chosen postgraduate programme and the University will consider your eligibility for a scholarship at the same time.

Learn more: www.scholarships.auckland.ac.nz

Careers in science and business

The Bioscience Enterprise programme is where the worlds of business and science come together.

We work closely with industry to provide real-time business training for our science graduates. This programme offers you the opportunity to learn the business side of science that will prepare you for a wide range of career options in science and business enterprises.

Graduates of the PGDipBioEnt and the MBioEnt can look forward to opportunities in biotechnology, pharmaceutical, reagent or device companies; the food and beverage industry; technology transfer offices in universities; Crown Research Institutes; business development, finance and investment firms; and Government agencies.

Our graduates have been employed in the following jobs:

- Market access writer, Evidera
- Clinical and regulatory associate, AFT Pharmaceuticals
- Brand manager, Bayer (NZ)
- Business analyst, BioPacific Ventures
- New products coordinator, Douglas Pharmaceuticals
- Business development manager, Revolution Fibres

Have any questions? Our Science Advisers are happy to help

Phone: 0800 61 62 63

Email: scifac@auckland.ac.nz



twitter.com/ScienceUoA



facebook.com/science.uoa



science.auckland.ac.nz/bioscience



Herman Marks

Master of Bioscience Enterprise.

"When I was looking for different programs to extend my qualifications, I wanted an interdisciplinary program that brought together science and business. I had already spent four years studying biology and wanted to expand.

"My research topic is broad and fluid at the moment but generally will explore clinical trials in New Zealand. Clinical trials are a key regulatory and commercial step for product development in many bioscience businesses. Trials are very costly and time intensive and puts strain on start-ups to design the trial correctly, within budget and on time.

"With such a resource disparity between large pharma and start-ups, innovation is necessary to maintain a competitive edge."

"I like how interdisciplinary the programme is and the broad commercial skillsets it instils. My colleagues come from backgrounds across the life sciences so every has a different view on a problem. It helps take you out of your own box and see things in a different way.

"I hope my qualification leads me to a role that helps build NZ as the next biotech hub. The best ways to do that include evaluating the clinical trial process, fortifying local start-ups and facilitating access to global knowledge and resources."

Haere tonu ki tōu ara pūtaiao i tō mātou Hāpori.

Continue your Science journey as part of our community.

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 [2021].



A quick guide to postgraduate

Biosecurity and Conservation

Play a vital role in protecting Aotearoa-New Zealand's unique indigenous environments.

Combining courses in biology, environmental management and environmental science, postgraduate Biosecurity and Conservation explores the science behind biodiversity, restoration, conservation science, biosecurity and invasion biology. You'll work alongside our researchers and have the opportunity to learn from industry practitioners and local and national government agencies.

Some of the courses available in this subject include:

- Biosecurity and Invasion Biology
- Biodiversity Management and Conservation
- Weed and Pest Management
- Advanced Behavioural Ecology
- Environmental Policy
- Collaborative Environmental Management



Explore and discover everything you need to know about studying postgraduate Biosecurity and Conservation: science.auckland.ac.nz/pg-biosecurity-conservation



SCIENCE



No. 1
In New Zealand
for Employability

QS World Rankings Graduate Employability, number one in NZ and 59th Worldwide in 2020

AVAILABLE IN:

- ✓ **Postgraduate Diploma in Science (PGDipSci)**
- ✓ **Master of Science (MSc)**
- ✓ **Doctor of Philosophy (PhD)**

You may also be interested in our programmes in Biological Sciences, Environmental Management, Environmental Science and Geography.

Our subject is ranked **#1** in New Zealand

QS World University Rankings by Subject 2021

#1

Biological Sciences
Environmental Sciences

Choosing your supervisor

- Start early to avoid disappointment. Supervisors can usually only take a small number of students, so make sure you talk to them sooner rather than later.
- Choose an area you feel passionate about. Undertaking research involves successes as well as challenges, so choosing a topic you are genuinely interested in will help you overcome challenges and get through the tough times.
- Ensure you're compatible with your supervisor. Ask questions, seek advice and share your ideas with academic staff to find out their research interests, and whether you would be a good fit with their current projects.

Findathesis

Check out our searchable database of masters and doctoral supervisors and research projects that you can join at www.findathesis.auckland.ac.nz.

Guaranteed postgraduate scholarships

Did you know the University of Auckland offers guaranteed scholarships to high-achieving domestic postgraduate research students?

Apply for admission to your chosen postgraduate programme and the University will consider your eligibility for a scholarship at the same time.

Learn more: www.scholarships.auckland.ac.nz

Careers in Biosecurity and Conservation

Postgraduate study in Biosecurity and Conservation prepares students for employment in the biosecurity and conservation sector.

Graduates may find work in organisations such as the Ministry for Primary Industries, local government, environmental consultancies, private pest-control companies, non-government conservation organisations, the Department of Conservation, Crown Research Institutes and the tertiary education sector.

Potential opportunities for our graduates include employment throughout the biosecurity and conservation sector.

Our graduates have been employed in the following jobs:

- Biosecurity senior programme manager, Northland Regional Council
- Ecologist, Auckland Council, Department of Conservation and Tonkin & Taylor
- Technical supervisor, Ministry of Primary Industries
- Ranger, Kakapo Recovery Project
- Natural Sciences collections manager, Auckland Museum
- Incursion investigator, Ministry for Primary Industries

Have any questions? Our Science Advisers are happy to help

Phone: 0800 61 62 63

Email: scifac@auckland.ac.nz



twitter.com/ScienceUoA



facebook.com/science.uoa



science.auckland.ac.nz/pg-biosecurity-conservation



Velonika Nikki Lioa Falaniko

Postgraduate Diploma in Science specialising in Biosecurity and Conservation.

"Right now I'm exploring in-depth knowledge on the biosecurity of New Zealand, learning more about the work that is done in the Landcare and MPI facilities. My elective courses allow me to explore other fields that complement my interest in biodiversity."

"I chose the University of Auckland because I wanted to acquire more experience in the field of biodiversity and conservation, and learn how I can utilise it to the advantage of people in my community."

"I enjoy the interactive learning involved in all my courses. We take the initiative to get involved – learning is centred on our contribution towards the topic discussed. The lecturers are hands-on with communication, which is great in terms of getting ahead in the programme."

"I hope to study for my masters and PhD in the future. I'm looking at research with water biology, focusing my study around my people in Samoa. I want to empower, and incorporate how our community sees science."

Haere tonu ki tōu ara pūtaiao i tō mātou Hāpori.

Continue your Science journey as part of our community.

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 [2021].



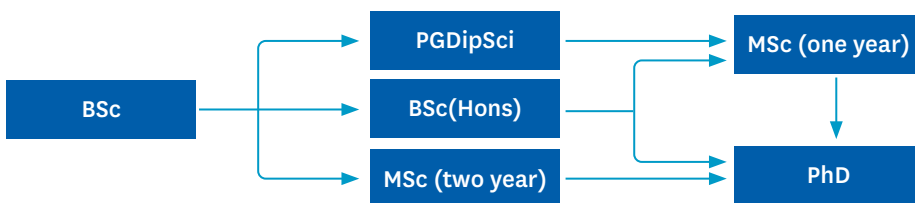
A quick guide to postgraduate Exercise Sciences

Postgraduate study in Exercise Sciences provides you with the opportunity to achieve an advanced level of knowledge in a range of areas relevant to exercise, sport, health and rehabilitation sciences.

Our various program offerings allow you to pursue your interests in Exercise Sciences through one- and two-year diplomas and degrees, to become an exercise scientist working in industry, health or sport, or to prepare yourself for further Doctoral study.

Areas of specialisation include:

- Advanced Exercise Physiology
- Exercise and Performance Psychology
- Advanced Techniques in Biomechanics
- Movement Neuroscience
- Clinical Exercise Physiology



In addition, our academic staff are at the top of their field and offer many exciting research opportunities to complete your dissertation or thesis projects, whether it is a 30 points PGDip Dissertation, a 60 points Honours Dissertation or a 120 points MSc Thesis.

Explore and discover everything you need to know about studying postgraduate Exercise Sciences:
science.auckland.ac.nz/pg-exercise-sci



SCIENCE



No. 1
In New Zealand
for Employability

QS World Rankings Graduate Employability,
number one in NZ and 59th Worldwide in 2020

AVAILABLE IN:

- ✓ **Bachelor of Science (Honours) (BSc(Hons))**
- ✓ **Postgraduate Diploma in Science (PGDipSci)**
- ✓ **Master of Science (MSc)**
- ✓ **Doctor of Philosophy (PhD)**

You may also be interested in our programmes in Clinical Exercise Physiology, Biological Sciences, Health Sciences, Psychology and Population Health.

Our subject
is ranked
43
in
the world

QS World University Rankings
by Subject 2021

43
in the world

Sports-related
subjects

Choosing your supervisor

Maybe you already know what topic you'd like to pursue for your dissertation or thesis project. Maybe you don't. Starting early with identifying a potential topic and supervisor for your project is important.

Have a look at our research areas and online staff profiles at www.auckland.ac.nz/exercise-sci-research and identify a topic that you feel passionate about.

Contact our academic staff directly to ask questions, seek advice, and find out whether you would be a good fit with their current projects. Alternatively, schedule a meeting with our Programme Leader, Dr Arne Nieuwenhuys, a.nieuwenhuys@auckland.ac.nz to discuss your general interests and the options available to you.

Findathesis

Check out our searchable database of masters and doctoral supervisors and research projects that you can join at www.findathesis.auckland.ac.nz.

Guaranteed postgraduate scholarships

Did you know the University of Auckland offers guaranteed scholarships to high-achieving domestic postgraduate research students?

Apply for admission to your chosen postgraduate programme and the University will consider your eligibility for a scholarship at the same time.

Learn more: www.scholarships.auckland.ac.nz

Careers in Exercise Sciences

Exercise Sciences stretches the boundaries of knowledge from cell to psychology – working out how brain and body function.

There is a growing demand for exercise scientists and accredited exercise physiologists who have the skills to research, and work with clients, to prevent and manage chronic diseases and injuries.

Graduating from a postgraduate programme in Exercise Sciences will prepare you for a career in movement science, health, wellness, physical fitness, exercise science, rehabilitation, sport science and clinical exercise physiology.

Our graduates have been employed in the following jobs:

- Postdoctoral Research Fellow, John Hopkins University
- Senior biomechanist, Australian Sports Commission
- Strength and conditioning coach, Auckland Rugby Union
- Exercise physiologist, Melbourne Osteopathy Sports Injury Centre
- Clinical analyst, Accident Compensation Corporation
- Chief executive, Auckland Table Tennis Association
- Performance analyst, Academy of Sport (South Island)
- Clinical research associate, ICON plc

Have any questions? Our Science Advisers are happy to help

Phone: 0800 61 62 63

Email: scifac@auckland.ac.nz



twitter.com/ScienceUoA



facebook.com/science.uoa



science.auckland.ac.nz/pg-exercise-sci



Peter Fermin Dajime

Doctor of Philosophy in Exercise Sciences.

"Human movement is an exciting field, and more people are aware of the importance of exercise and physical activity."

"While technology seems to deter people from pursuing an active lifestyle, I think technology can encourage people to be more fit and healthy."

"We are trying to develop a tool that can augment the ability of clinicians and practitioners to prescribe home-based exercise programmes for fall prevention among older adults."

"The great thing about the PhD program is that we can combine different disciplines to solve real-world problems."

"In our case, we are using resources and methodologies that are associated with computer science and engineering in the context of exercise prescription."

"We developed a novel balance exergame customized for older adults and use gesture detection to provide feedback on movement quality. Furthermore, our current understanding of how immersive VR affects movement patterns is limited. By studying the impact of VR technology on movement kinematics, we would be able to recommend the best method for delivering VR-based interventions to older adults."

"As technology evolves, I would like to be one of those who find solutions in encouraging people to live an active lifestyle."

Haere tonu ki tōu ara pūtaiao i tō mātou Hāpori.

Continue your Science journey as part of our community.

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 [2021].



A quick guide to postgraduate **Marine Science**

Postgraduate study in Marine Science is your opportunity to advance your knowledge and skills in this fascinating field. Marine Science is as diverse as the environments and species that exist in the marine habitat.

Alongside learning about the theory of Marine Science, you will develop practical skills in research design and analysis of the marine environment.

The Marine Science research facilities at the Leigh Marine Laboratory include a 14m research vessel and several smaller boats, diving support, a flow-through seawater system for tank experiments, onsite accommodation for students and visitors, a library and access to the University's online catalogue, aquaculture facilities, a meteorological station and well-equipped laboratories.

Some of the courses available in this subject include:

- Aquaculture
- Current issues in marine science
- Ecological physiology
- Marine ecology
- Modelling of environmental systems
- Research methods in chemistry



Explore and discover everything you need to know about studying postgraduate Marine Science:
science.auckland.ac.nz/pg-marine-sci



SCIENCE



No. 1
In New Zealand
for Employability

QS World Rankings Graduate Employability,
number one in NZ and 59th Worldwide in 2020

AVAILABLE IN:

- ✓ **Postgraduate Diploma in Science (PGDipSci)**
- ✓ **Master of Marine Studies**
- ✓ **Master of Marine Conservation**
- ✓ **Master of Science (MSc)**
- ✓ **Doctor of Philosophy (PhD)**

You may also be interested in our programmes in Biological Sciences, Chemistry, Environmental Management, Environmental Science and Statistics.

Our subject is
ranked in the
TOP 100
worldwide

QS World University Rankings
by Subject 2021

TOP
100
in the world

Earth and
Marine Sciences

Choosing your supervisor

Start early to avoid disappointment. Supervisors can usually only take a small number of students, so make sure you talk to them sooner rather than later.

Choose an area you feel passionate about. Undertaking research involves successes as well as challenges, so choosing a topic you are genuinely interested in will help you overcome challenges and get through the tough times.

Ensure you're compatible with your supervisor. Ask questions, seek advice and share your ideas with academic staff to find out their research interests, and whether you would be a good fit with their current projects.

Findathesis

Check out our searchable database of masters and doctoral supervisors and research projects that you can join at www.findathesis.auckland.ac.nz.

Guaranteed postgraduate scholarships

Did you know the University of Auckland offers guaranteed scholarships to high-achieving domestic postgraduate research students?

Apply for admission to your chosen postgraduate programme and the University will consider your eligibility for a scholarship at the same time.

Learn more: www.scholarships.auckland.ac.nz

Careers in Marine Science

Marine Science offers you the opportunity to learn about many different facets of our coasts and oceans and contribute to a science that will influence our future.

A Marine Science postgraduate qualification will enable you to pursue job opportunities in a wide range of occupations, in an equally wide range of organisations, in New Zealand and around the world.

The versatility of Marine Science and its multidisciplinary relationship with other sciences means our graduates find employment in the areas of aquaculture, conservation and environmental management and research focused on the marine environment.

Our graduates have been employed in a wide range of positions, including:

- Regional manager, Reef Check Foundation
- Ecological research statistician, Papahānaumokuākea Marine National Monument
- Assistant professor of marine biology, University of North Carolina
- Senior research scientist, Commonwealth Scientific and Industrial Research Association
- Gorgon environmental advisor, Chevron
- Fisheries biologist, The Watershed Company

Have any questions? Our Science Advisers are happy to help

Phone: 0800 61 62 63

Email: scifac@auckland.ac.nz



twitter.com/ScienceUoA



facebook.com/science.uoa



science.auckland.ac.nz/pg-marine-sci



Wednesday Davis

Master of Science in Marine Science.

"Growing up in Tauranga, I've always had a close connection to our oceans and care deeply about the wide variety of anthropogenic and climate-based impacts facing them. From a young age, I always knew I wanted to become a marine biologist."

"The Institute of Marine Sciences offers a flexible multi-disciplinary masters programme with opportunities to work in various science areas, including ecophysiology, behavioural ecology and nutrient cycling."

"The part I most enjoy about the programme is the hands-on, interdisciplinary nature of it."

"Using on-board observations, drones and computer vision technology, I am developing neural-network machine learning tools to investigate the fine scale foraging behaviours and dynamic social interactions between seabirds and cetaceans and how these behaviours link to their functional roles in marine ecosystems."

"My undergraduate and postgraduate coursework has inspired me to undertake research, outreach and education opportunities that will help me make a difference in marine conservation and natural resource management."

"I hope to increase the accessibility of opportunities for women to explore our natural environment and engage with environmental issues."

"There is a strong need for blue-leaders, community action, and kaitiakitanga to collectively protect and sustainably manage our oceans."

Haere tonu ki tōu ara pūtaiao i tō mātou Hāpori.

Continue your Science journey as part of our community.

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 [2021].