SCIENCES AND MATH INTERNSHIPS

From research at top international universities to craft brewing and viticulture-participating in a science or math internship abroad is a great way to develop skills in research and problem-solving, learn how to operate different system models, and explore science and math career fields in practical settings around the globe. Participants of this highly competitive field are matched with top professors at universities, private research companies, and a diverse range of other organizations utilizing science and math skills. Pursuing an international internship is an excellent way to gain a better understanding of the field and start considering interests for post-graduate study.

**Reasons to Intern Abroad**

- Gain research and professional experience while staying on track with academic course work
- Develop a global perspective and understanding of the science and math fields
- Create an international network of other math and science professionals
- Gain experience for graduate school in an international context
- Cultivate critical thinking and problem-solving skills in a new environment

**Ideal Candidates**

- Have completed two years of undergraduate coursework in relevant area
- Demonstrable interest in research for university placements

**Typical Tasks**

- Summarize data and write reports
- Data integration and quantitative risk assessment
- Perform lab work and clinical analysis
- Developing theorems or solving mathematical puzzles
- Design and conduct research
- Participate in field work and survey analysis
- Study environmental impacts and develop conservation plans
- Resource management
- Monitor research subjects

**Recommended Sites**

We can accommodate placements in Sciences and Math in Australia, Chile, New Zealand, and Spain. Australia and New Zealand are great locations due to their biodiversity and geography for students interested in biology and marine science with options to conduct research. Chile and Spain are a great option for interns interested in research-type placements focused on environmental issues and sustainability.
Brain and Mind Research Institute-The University of Sydney, Sydney, Australia

Neuroscience Research Intern

The Brain & Mind Research Institute is a leading psychology/psychiatry research site in Australia for the provision of expert clinical assessment, investigation, and innovative treatments for common brain and mind disorders. Interns will undertake clinical and applied research to combat disorders of the neurological and the cardiovascular systems. Typical tasks may include collecting data, analyzing statistics, and assisting with clinical trials. The level of involvement by the intern will be governed by their level of competency and existing experience in the field.

Universidad Del Desarrollo, Santiago, Chile

Research Assistant-Renewable Energy Intern

The Universidad Del Desarrollo is a private Chilean university that is not only known for academic excellence, but also for its well-distinguished research programs. Throughout the year there are various projects interns can collaborate on which may include feasibility studies of biogas generation by seaweed or studies of waste to energy conversion to assess environmental impacts and the potential generation of energy. Interns will assist in designing devices to recover and recycle materials in local communities, designing reactors to produce energy using seaweed from local communities, or designing combustion devices.

Griffith University, Griffith Centre for Coastal Management, Gold Coast, Australia

Whale Survey Intern

Griffith University is Queensland’s second largest university with over 30,000 students. Intern’s duties will include undertaking humpback whale surveys, the distribution of survey sheets, review and analysis of humpback behavioral data, and entering new data. The intern will also assist in organizing public events to advocate for the humpback population under the guidance of a Masters student.

University of Queensland, Brisbane, Australia

Shore Bird Research Intern

The University of Queensland focuses on projects based on conservation strategies for migratory shorebirds along the coast of Australia. Interns can expect a combination of involvement and training in fieldwork, management/protection techniques, and education awareness related to shorebird and coastal conservation issues. Interns will focus on field sampling to determine physical and chemical characteristics of different habitats and compile data.

Institute of Environmental Science and Research, Christchurch, New Zealand

Forensic Science Intern

The Institute of Environmental Science and Research is a leading provider of forensic science and environmental health to government and commercial organizations in New Zealand. Interns will contribute to groundwater system research which focuses on the movement of water and contaminants through the unsaturated zone above the aquifers. They will also assist in interpreting the DNA profiling results obtained from tested water samples.

CEAM Fundación Centro de Estudios Ambientales del Mediterráneo, Valencia, Spain

Air Pollutant Intern

As a center of research, development, and technological innovation, CEAM works to improve the natural environment in the Mediterranean. They focus on comprehensive proposals for environmental management in the domain of the atmosphere, ecosystems, and human activities. Interns will participate in research tasks such as air sampling and data analysis to determine the chemical compounds found in samples.
Total Environment Centre Green Capital Project, Sydney, Australia
Green Capital was established in 2002 by the Total Environment Centre, one of Australia’s most innovative and independent, non-government environment organizations. Green Capital created a platform for debate about corporate social responsibility and development of the green economy in Australia. Interns will support Green Capital’s Buying Better project by identifying issues for a range of everyday products i.e. printer paper, cleaning products meat and dairy, small electronics, packaging and small-medium-sized enterprise accreditation for sustainability. Interns will focus on additional research and analysis to support the production of final reports on each product area and assist in the development spreadsheets, graphics, and other decision-making support tools.

Stonyridge Vineyard, Auckland, New Zealand
Viticulture and Winemaking Intern
The Stonyridge Vineyard is a world-renowned Cabernet-blend winegrower, located on the beautiful island of Waiheke, near Auckland, New Zealand. The intern will gain exposure to harvesting and will work with the vineyard manager and winemaker to learn about the optimum time to harvest the fruit. In addition, interns will learn more about the winemaking process, including the initial processing of the fruit, tank plunging, and testing.

The Occasional Brewer, Wellington, New Zealand
Brewer Intern
The Occasional Brewer is the place people go to make their own high-quality craft beer. They have the professional equipment, ingredients, facilities, and expertise to make great craft beer from scratch. This is a fast-paced internship where participants will get the opportunity to have a first-hand experience with the beer making business. Typical tasks will include milling grain, teaching bottling sessions, brewing beer and assisting with other customer service duties.

Kemsol, Auckland, New Zealand
Lab and Quality Control Assistant
With over 50 years of combined R&D experience and a drive for safer formulating, Kemsol is a multi-sector chemical cleaning and specialty product brand, owned and managed by Chemical Solutions Ltd. Typical tasks include daily QC testing of production, QC checking and system labeling of raw materials, working alongside senior chemical compounders to observe production and assist with reviewing processing documentation as well as working with dispatch and packing staff. Additional duties may include working with junior chemists on health and safety systems and exposure to all areas of business from creation to distribution.