

Natural Sciences & Math



Agriculture

Animal Science

Astronomy

Biochemistry

Biology

Biomedical Sciences

Cell and Molecular Biology

Chemistry

Ecology

Forestry

Geography

Geology

Environmental Science

Environmental Studies

Marine Biology

Mathematics

Microbiology

Neuroscience

Physics

Statistics

Wildlife Biology

Interested in connecting what you learn in the classroom to real-world situations?

ISA's host institutions abroad offer unique courses and experiential learning opportunities that give you the chance to get first hand exposure to new environments and to a range of scientific tools, techniques, and theories. Study abroad also helps you gain essential problem-solving skills. Living and studying in an unfamiliar environment will present challenges and you will gain confidence as you test out solutions to solve them.

If you need help finding specific courses that you need to take abroad, visit studiesabroad.com/course-finder and our expert advisors will be in touch with you with some program options!



GET HANDS-ON EXPERIENCE ABROAD

An international internship through ISA can help you stand out in the increasingly competitive job market. Available for a variety of majors, we offer full-time internships (in-person or online!) or add a part-time internship alongside your courses.

Discover internship opportunities available by visiting studiesabroad.com/internships.

COURSES IN ENGLISH UNLESS OTHERWISE NOTED

The following list and chart represent only a sampling of available ISA programs. To get more information on the programs shown, as well as information on all other program options, go to studiesabroad.com.

Natural Sciences & Math

FEATURED PROGRAMS

ENGLAND

London

Queen Mary, University of London

- Queen Mary is a research intensive and top-ranking U.K. university
- Courses are available to visiting students in the following departments: Biological and Chemical Sciences; Mathematical Sciences; Physics and Astronomy

- Semester and Summer programs
- **Sample Courses:** Infectious Disease Biology • Differential Equations • Electric and Magnetic Fields

Reading

University of Reading

- The University of Reading is one of the top 20 research-intensive universities in the U.K.
- The School of Biological Sciences at Reading has a range of facilities like the Cole Museum of Zoology, the Harris Garden, the Herbarium, the Centre for Cardiovascular Imaging, and the new Health and Life Sciences building

- Semester program
- **Sample Courses:** Monitoring the Earth from Space • Cell Communication and Disease • Vector Calculus

IRELAND

Dublin

Maynooth University

- Named THE's Top 100 Under 50, Maynooth University is recognized among the top 350 universities in the world and the top 200 European universities
- Courses available in biology, chemistry, experimental physics, mathematics and statistics, geocomputation, and theoretical physics

- Semester program
- **Sample Courses:** Plant Biotechnology • Global Ecosystem Pressures and Sustainability • Astronomy & Quantum Physics

Dublin

University College Dublin (UCD)

- UCD offers the top Agriculture and Food Science program in Ireland
- Science courses are taught in the UCD's world-class O'Brien Centre for Science, offering state-of-the-art laboratories, active learning environments, and upgraded lecture theatres
- Unique courses include UCD's Introduction to Scientific Research course and Service-Learning course

- Semester program
- **Sample Courses:** Tree Structure and Function • Medicinal Chemistry • Igneous Petrology

SCOTLAND

Glasgow

University of Glasgow

- University of Glasgow's School of Life Sciences offers courses that encourage students to apply learned theory to practical situations
- As a student at Glasgow, you can visit the university's world-renowned museums of Anatomy and Zoology

- Semester and Summer programs
- **Sample Courses:** Genes, Molecules and Cells 2 • Mathematical Methods and Modelling • Basin Resources and Sustainable Futures

Stirling

University of Stirling

- Top 5 in the U.K. for Agriculture and Veterinary Sciences according to Research Excellence Framework (REF)
- Top 5 in Scotland for Geography and Environmental Studies according to The Guardian University Guide 2021

- Semester program
- **Sample Courses:** Management of Living Aquatic Resources • Oceanography and Limnology • Practical Statistics

SOUTH AFRICA

Cape Town

University of Cape Town

- Known as the "Harvard of Africa," the University of Cape Town (UCT) is South Africa's oldest university and one of the continent's leading teaching and research institutions
- The Faculty of Science offers courses in the following fields: astronomy; biological sciences; chemistry; computer science; environmental and geographical science; geological sciences; mathematics and applied mathematics; molecular and cell biology; oceanography; physics; and statistical sciences

- Semester program
- ISA Service-Learning and Veritas Christian Study Abroad available
- **Sample Courses:** Applied Statistical Modelling • Atmospheric Science • Ecosystem Ecology

Port Elizabeth

Nelson Mandela University (NMU)

- The NMU campus was declared a private nature reserve in 1983, with the Grysbok Trail that was designed to provide environmental education and recreation for the university community
- Port Elizabeth's Humewood Beach has achieved international Blue Flag status, awarded to beaches that maintain a series of stringent environmental, educational, safety, and accessibility criteria
- One of the highlights of the NMU semester offerings is the 2-credit Community Service-Learning course
- NMU's summer program also gives you the chance to learn more about South Africa's diverse land and sea environments

- Semester and Summer programs
- **Sample Courses:** Introduction to Statistical Inference • Environmental Studies • Sustaining Exploited Marine Resources

SPAIN

Valencia

Universidad Católica de Valencia

- Courses are offered in English with Spanish language courses available
- Host university Internship and Service-Learning opportunities available

- Semester program
- **Sample Courses:** New Strategies in Tissue Bio-Engineering and Regenerative Medicine • Molecular Genetics • Human Anatomy

Universitat Politècnica de València (UPV)

- With a range of 200-level courses available, the UPV is a great choice for sophomore students looking to take required STEM courses while studying abroad
- Specializing in courses specifically in the sciences, the Universitat Politècnica de València is among the universities preferred by Erasmus students

- Semester program
- **Sample Courses:** Analytic Trigonometry • Calculus I – III • Physics for Scientists and Engineers I

THE NETHERLANDS

Amsterdam

Vrije Universiteit Amsterdam (VU)

- One of the top research universities in the Netherlands
- VU encourages a student-centered teaching style where you will be given opportunities to develop your opinions through creative and critical thinking
- High-achieving students participating in this program may enroll in honor courses

- Semester and Summer programs
- **Sample Courses:** From Quantum to Molecule • Statistics and Methodology • Current Topics in Molecular and Cellular Toxicology

FIND YOUR PROGRAM

| Country | City | Host Institution | Agriculture | Animal Science | Astronomy | Biochemistry |
|-----------------|----------------|--|-------------|----------------|-----------|--------------|
| Costa Rica | San José | Universidad Veritas | X | | | |
| England | London | King's College London | | | | |
| England | London | Kingston University | | | | |
| England | London | Queen Mary, University of London | | | X | X |
| England | London | University of Roehampton | | | | |
| England | London | University of Westminster | | | | X |
| England | Reading | University of Reading | X | X | | X |
| Greece | Athens | The American College of Greece | | | | |
| Ireland | Dublin | Maynooth University | | | | |
| Ireland | Dublin | Trinity College Dublin | | | | X |
| Ireland | Dublin | University College Dublin | X | X | X | X |
| Ireland | Galway | National University of Ireland, Galway | X | X | X | |
| Ireland | Limerick | University of Limerick | | X | | |
| Italy | Milan | Università Cattolica del Sacro Cuore | | | | |
| Scotland | Glasgow | University of Glasgow | | | X | |
| Scotland | Stirling | University of Stirling | | X | | |
| South Africa | Cape Town | University of Cape Town | | X | X | |
| South Africa | Cape Town | University of the Western Cape | | | | |
| South Africa | Port Elizabeth | Nelson Mandela University | X | | | X |
| Spain | Madrid | Universidad Carlos III de Madrid | | | | |
| Spain | Seville | Universidad Pablo de Olavide | | | | |
| Spain | Valencia | Universidad Católica de Valencia | | | | X |
| Spain | Valencia | Universidad Politécnica de Valencia | | | | |
| The Netherlands | Amsterdam | Vrije Universiteit Amsterdam | | | | |

| Biology | Biomedical Sciences | Cell and Molecular Biology | Chemistry | Ecology | Forestry | Geography | Geology | Environmental Science | Environmental Studies | Marine Biology | Mathematics | Microbiology | Neuroscience | Physics | Statistics | Wildlife Biology | Service-Learning | Veritas Christian Study Abroad |
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THE WORLD AWAITS

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