

STUDY ABROAD ADVICE FOR

NATURAL SCIENCE MAJORS

How to make it possible within your academic program



HOW DOES IT BENEFIT YOU?

By Studying abroad as a Natural Science major,

- Gain an appreciation for the impact of globalization on natural science theory and practice.
- Take courses and have access to experts in your field that may not be available at BW.
- Understand cultural differences and how they impact the natural sciences.
- Build your resume by demonstrating your flexibility, independence and willingness to take on new challenges.

WHERE CAN I GO?

While every program is open to every major at BW, we have selected out a few universities abroad which have a large number of Natural Science courses for our students to be able to fulfill major requirements:

- Ewha University - South Korea
- Umea University - Sweden
- University College Dublin - Ireland
- University of the Sunshine Coast - Australia

A SAMPLING OF COURSES I CAN FULFILL ABROAD

EWHA UNIVERSITY (SOUTH KOREA)

<u>Course Abroad</u>	<u>Course at BW</u>
General Biology I - BIO 101	BIO-ELE
General Biology II - BIO 100	BIO-ELE
General Chemistry Lab II - CHM 100L	CHM-LAB
General Physics I - PHY 100	PHY-ELE
General Physics II - PHY 111	PHY-ELE
Thermal & Stat. Physics I - PHY 101	PHY-ELE
Thermal & Stat. Physics II - PHY 103	PHY-ELE
Mechanics I - PHY 105	PHY-ELE
Quantum Mechanics I - PHY 102	PHY-ELE
Theories of Waves & Optics - PHY 104	PHY-ELE
Astrophysics - PHY 107	PHY-ELE
Electricity & Magnetism - PHY 109	PHY-ELE
Modern Physics - PHY 110	PHY-ELE
General Physics Lab I - 20410	PHY-LAB
Physics Lab 1 - PHY 100L	PHY-LAB
Physics Lab 2 - PHY 101L	PHY-LAB

UMEA UNIVERSITY (SWEDEN)

<u>Course Abroad</u>	<u>Course at BW</u>
Genetics and Evolution - 5BI194	BIO-ELE
Gene Expression - 5MO113	BIO-ELE
Animal & Plant Physiology	BIO-ELE

UNIVERSITY COLLEGE DUBLIN (IRELAND)

<u>Course Abroad</u>	<u>Course at BW</u>
Genetics & Recombinant DNA - GENE 30010	BIO-211
Medical Microbiology - MEMI 30010	BIO-212
Immunology - BMOL 30090	BIO-341
Principles of Forestry - FOR 20050	BIO-ELE
Principles of Genetics - GENE 20020	BIO-ELE
Experimental Physiology - PHYS 30190	BIO-ELE
Regulation of Gene Expression - BMOL 30030	BIO-ELE
Principles of Biochemistry- BIOC20050	CHM-311
Introduction to Earth Sciences - GEOL 10060	GEO-ELE
Electromagnetism - PHYC 30070	PHY-361
Nuclear Physics - PHYC 30090	PHY-410

UNIVERSITY OF THE SUNSHINE COAST (AUSTRALIA)

Course Abroad	Course at BW
Environment & Society - ENP 100	BIO-150I
Animals & Society - GEO 350	BIO-200
Environment & Health - SCI 109	BIO-200I
Microbiology - MBT 263/LES 261/SCI 006	BIO-312
Restoration Ecology & Genetics - ENS 231	BIO-313
Human Physiology - LFS 112	BIO-333
Molecular Biology - MBT 252	BIO-336
Immunology - BIM 331	BIO-341
Coastal & Marine Ecology - ENS 282	BIO-CORE
Introductory Bioscience - LFS103	BIO-CORE
Protein Engineering - MBT 351	BIO-ELE
Child Growth - LFS 212	BIO-ELE
Bio Chem 7 Phys. of Exercise - SPL 254	BIO-ELE
Green Justice - SCS 211	BIO-ELE
Marine Ecology - ENS 272	BIO-ELE
Elements and Processes of Life - SCI 003	BIO-ELE
Biological Chemistry - SCI 005	BIO-ELE
Pathogens and Disease - MEP 252	BIO-ELE
Marine Vertebrates - ANM 104	BIO-ELE
Aquatic Ecosystems - ENS 202	BIO-ELE
Physiology and Anatomy - LFS 201	BIO-ELE
Cell Biology - SCI 003	BIO-ELE
Principles of Pharmacology - BIM 261	BIO-ELE
Australian Vegetation - ENS 221	BIO-ELE
Restoration Ecology - ENS 361	BIO-ELE
Aqua Culture - ESS 371	BIO-ELE
Ecology - SCI 102	BIO-INT
Australian Wildlife - ENS 222	BIO-INT
Environmental Processes - SCI 001	BIO-LAB
Australian Vegetation, Wildlife, and Habitat - ENS 201	BIO-LAB
Cell Biology - LFS 100	BIO-LAB
Organic Chemistry - CHM 202	CHM-255
Biochemistry - LFS 251	CHM-311
Physical Geography & Mapping - GEO 100	GEO-121I
Environmental Processes - SCI 101	GEO-121I
Marine Dynamics - ENS 271	GEO-229
Introduction to Weather & Climate - ENS 242	GEO-ELE
Physics - SCI 107	PHY-131
Data Analysis/Physics Proc. - SCI 108	PHY-145

Course Abroad

Course at BW

Marine Molecular Biology- ENV 3020
Conservation Bio & Endanger Sp- ENV 3160
Tropical Marine Biology- ENV 3190
Marine Mammals of Costa Rica- ENV 3200
Coral Reef Ecology & Conservat- ENV 3210

BIO-ELE
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FACULTY LED PROGRAMS

- Faculty-led programs are an opportunity to take a course over a semester in your related field and travel as a cohort for a short travel period together.
- Faculty-led programs are open to students of any major.

- Spring 2027 Faculty-led programs include:
 - Leadership Program: Morocco
 - Computing/Engineering in Guatemala
 - Music and Theatre in Germany
 - Experiencing Ireland
 - Seminar in Japan
- For more information, see our website: www.bw.edu/explorations

TIMELINE

FIRST YEAR

The best time to start planning for study abroad is your first year. Natural Science majors should expect to take the following sequences at BW:

- BIO 203L/BIO 204L
- BIO 131L/BIO122L
- CHM 111/112/115

SECOND YEAR

The majority of Natural Science majors study abroad as sophomores. Since Natural Sciences majors ideally finish BIO 203L/204L courses before going abroad, spring semester is most likely your earliest option. You can then fulfill both core requirements and fulfill some of the major requirements or electives.

THIRD YEAR

Nearly as many Natural Science majors study abroad as juniors. Now you may be more focused on upper-division program courses and electives. consult with your advisor to understand when you must take required courses.

FOURTH YEAR

You can still study abroad during your senior year. However, you must consult with your academic advisor to understand how it may affect your graduation. Some required courses and prerequisites may only be available at BW in alternating semesters. Advisors and the office of Explorations/Study Abroad will help find the courses offered abroad that will count toward their major, minor or total graduation requirements.

CONNECT WITH US
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2ND FLOOR OF THE UNION

WHERE WILL YOU GO?