Go Abroad in Biology and Zoology

Biology and Zoology students are involved in international experiences for good reason. An international experience can provide you with necessary skills to work effectively with an increasingly diverse U.S. population and a global job market while providing essential professional skills. Graduate schools, professional programs and employers in health care, academia, non-profits, industry and state and federal agencies value the skills and experiences gained by students who go abroad.

INTERNATIONAL EXPERIENCES CAN HELP YOU...

- Gain research experience and new professional skills in different ecosystems, bioregions, and specialties
- Learn new international perspectives
- Improve your language skills and cross-cultural communication skills
- Globalize your world view and prepare for work in an increasingly diverse and international workplace

What types of international experiences can I participate in?

IE3 Global Internships:
IE3 Global Internships provides students with opportunities to gain credit and professional experience in areas such as medicine, ecology and evolutionary biology, marine biology, veterinary medicine, and many others. Students can being to participate in internships in their junior year. Students earn 12 internship credits per term.

Study Abroad:
Biology and Zoology majors can study abroad in a variety of settings where they can focus on major requirements in English, as well as other languages. Students can also choose to focus on a foreign language or do an intensive, field-based program which includes a research project and extensive field experiences.

International Degree:
Students planning to study a foreign language can consider the prestigious International Degree (ID)—a unique undergraduate major obtainable only as a second degree. In addition to major requirements, the ID candidate must: (1) take 32 additional credits; (2) demonstrate fourth year language proficiency (3) spend a minimum of ten weeks abroad on an approved program in that language, and (4) complete a senior thesis. The ID affords a student the opportunity to develop a research project and global perspective within the context of their major. For information, contact

“I love India for all the amazing new experiences it has enabled me to have over the past eleven weeks, from the novel medical and health exposures, to becoming an active participant in the rich Indian culture.”
-Claire Ostertag-Hill, India, Biology & Psychology major
Can I afford it?

Yes! If going abroad is a priority, there is generally a way to make it affordable. Early planning for international experiences helps students make cost-effective program decisions and allows time to help them prepare their finances through savings, scholarships, and financial aid. There is a great deal of variation in costs, and students should carefully consider all options before making a decision. Students can apply financial aid and scholarships to approved international programs and, in some cases, financial aid eligibility will increase.

When comparing the cost of programs abroad, be sure to look at the costs of attending OSU for living and tuition. The estimates for attending OSU can be found at the Office of Financial Aid website at http://oregonstate.edu/admin/finaid/.

The cost of going abroad can be comparable in many cases, and the difference can often be made up with scholarships or aid.

Scholarships for going abroad

- All students who participate in international programs recognized by OSU can apply for scholarships through the Office of International Degree and Education Abroad ($500-$1,000). See the website http://oregonstate.edu/international/studyabroad/students/finances/scholarships
- All OSU students can apply to the Research Office for URISC. See the URISC Website http://oregonstate.edu/research/incentive/urisc.htm
- International Degree students can seek additional funding through the Office of International Degree and Education Abroad ($1,000-$2,000). More information at http://oregonstate.edu/international/studyabroad/students/finances/scholarships
- All OSU students can apply for numerous national awards that offer larger scholarships ($3,000-$20,000). Contact the International Programs Office at 737-3006 or visit the scholarships website http://oregonstate.edu/international/studyabroad/students/finances/scholarships

How will going abroad count toward my major? Will it take me longer to graduate?

Students must complete 180 credits and all of their degree requirements to graduate from OSU. The Biology and Zoology majors (as outlined in the Degree Checklist in MyDegrees) and Baccalaureate Core can generally be completed in approximately 150-160 credits. This means that each student has electives, though the number will vary. Students can generally finish an undergraduate degree in four years with a term or more abroad.

International experiences count in the following ways:

- IE3 Global Internship credits can be used to satisfy the 180 credits required for graduation.
- Study abroad courses can be used for major, Baccalaureate Core, minor, or elective credits to meet the 180 credits for

When should I go abroad?

Freshman Year: Students should begin planning for a future study abroad or IE3 Internship.

Sophomore Year: Students can study abroad for the entire year, but not for a single term due to science series coursework such as organic chemistry and physics. It is ideal for students considering going abroad in junior year to complete physics their sophomore year, particularly if they are planning on going for a single term. Health profession students generally do not go abroad this year as prerequisites for professional programs should not be taken abroad.

Sophomore/Junior Summer: Students can study abroad or do an IE3 Global Internship, but most programs are not offered in summer.

Junior Year: Students could do an international experience for single term or a year. Students planning to do an IE3 Global Internship or study abroad for one term should plan to move series coursework to terms they will remain at OSU and instead take single-term courses while they are gone. Students going abroad for the year can take series coursework in some cases. Health professions students should avoid professional school prerequisites while abroad.

Junior/Senior Summer: Students can study abroad or do an IE3 Global Internship, but most programs are not offered in summer.

Senior Year: Students can study abroad or do an IE3 Global Internship. In general, students no longer have any series courses so they can easily go abroad for a single term or the year. It is generally not a good idea to go abroad the last term of senior year.

Senior Summer: Some students choose to go abroad during their senior summer. In particular, students have done an IE3 Global Internship to cap off their undergraduate career. Students can still walk in the Spring as long as they complete their coursework for graduation by the end of the following fall term.
How do I select an international program?

Consider your academic interests and goals and work with your academic advisors and the staff in the Office of International Degree and Education Abroad to determine the right program for you.

The following steps should help:

Start planning and research now. Begin to plan at least six to nine months in advance of going abroad. Give yourself time to research programs and talk to advisors and students who have gone abroad to the site(s) you are interested in.

Set and prioritize goals. There is not one program best suited for Biology or Zoology students - there are many - the best one for you depends on what you want. Consider your long-term academic and professional goals, as well as your degree requirements.

Some important considerations are:

- If you want to focus on a language, then talk to International Programs.
- If you are looking for science programs start with this brochure.
- If you want to focus on professional experience an IE3 Global Internship or field based programs may be better.
- If you are concerned about costs an exchange program may be better.
- Study abroad courses may count toward courses in your major, while internships or field based programs give you elective credits that count toward the 180 required for graduation, and provide a valuable professional experience.

Prepare academically. You may need to take language or prerequisite courses. Talk to your advisor about the timing of sequences or single term courses. IE3 Global Internships are open to juniors and seniors, while

“Interning with Equilibrio Azul taught me about being responsible for my own person and self-motivation after arriving in a foreign place where I did not know the local lingo and was not sure of how things worked. I learned perspective, how to go with the flow as friends and opportunities come and go, and the importance of the choices I make.”

- Ellen Dow, Ecuador Biology major

“While studying abroad, I felt like I grew more as an individual in those 9 short months than in the past 20 years! Not only did I make friends from around the world, I gained personal independence and caught that darn ‘travel bug.’ Knowing more about the differences that exist between countries and cultures makes life an adventure.”

-Sara Haines, Wales, Biology major
DENTAL
ECUADOR
Child Family Health International (CFHI)-Sonrie Dental: Dental interns rotate through clinical experiences while exploring the challenges of dental care in a developing country. **Language:** 1st year Spanish. **Available:** all terms. **Duration:** 10 weeks

INDIA
Center for Social Medicine: Interns experience the challenges of dental care in a variety of settings in rural India. **Language:** English. **Available:** calendar year. **Duration:** 10-12 weeks

MEDICAL
ARGENTINA
CFHI-Primary Care & Social Medicine: Interns rotate through a variety of government clinics and hospitals for underserved populations. **Language:** Intermediate Spanish strongly recommended. **Available:** all terms. **Duration:** 10 weeks

BOLIVIA
CFHI-Pediatric Health: Interns rotate through a variety of clinical experiences in pediatric health and infectious disease while also participating in intensive Spanish courses. **Language:** Intermediate Spanish strongly recommended. **Available:** all terms. **Duration:** 10 weeks

ECUADOR
CFHI-Intensive Beginner Spanish & Healthcare: Interns participate in intensive Spanish courses while working with local non-profits and participating in clinical rotations. **Language:** Some Spanish helpful. **Available:** all terms. **Duration:** 10 weeks

CFHI-Sexual Health as a Human Right: Interns work with a local non-profit organization to support advocacy and education for sexual health as a human right. Includes Spanish classes and homestays. **Language:** Intermediate Spanish. **Available:** all terms. **Duration:** 10 weeks

CFHI-Urban/Rural, Amazon, Andean Health: Interns rotate through a variety of clinical experiences in urban and rural comparative health care. **Language:** 1st year Spanish, more recommended. **Available:** all terms. **Duration:** 10 weeks

INDIA
Center for Social Medicine: Interns experience rural healthcare in a community-focused environment while shadowing in various healthcare contexts. **Language:** English. **Available:** all terms.
attention for rescued gibbons. **Language:** English. Willingness to learn Thai helpful. **Available:** all terms. **Duration:** 10 weeks

**ECOLOGY AND EVOLUTION, ORGANISMAL BIOLOGY AND CONSERVATION**

**CHILE**

**CODEFF - Comité Nacional Pro Defensa de la Fauna y Flora:** Interns work on advocacy, wildlife rehabilitation or research. **Language:** 3rd year Spanish. **Available:** all terms. **Duration:** 4-6 months

**ECUADOR (including the Galapagos Islands)**

**Fundacion Jatun Sacha:** Interns work at one of six reserves from the Galapagos to the Amazon on research, education and management. **Language:** Beginning to intermediate Spanish. **Available:** academic year. **Duration:** 10-12 week minimum

**GABON**

**Gabon Biodiversity Program, Smithsonian:** Interns work on research and education projects studying regional biodiversity. **Language:** 2nd year French. **Available:** academic year. **Duration:** 3 months

**NAMIBIA**

**Cheetah Conservation Fund:** Interns work on cheetah research, conservation projects and care. **Language:** English. Some German

**NGO DEVELOPMENT AND VolUNTEERISM**

**GERMANY**

**DAAD:** Interns work at German institutions on research in areas such as genetics, molecular biology, physiology, cancer research, and others. **Language:** English. **Available:** Summer. **Duration:** 10 weeks. Program details at: [www.daad.de/](http://www.daad.de/)

**NEW ZEALAND**

**New Zealand Department of Conservation:** Interns work on conservation projects including; native bird recovery; animal and plant surveys; weed and predator control. **Language:** English. **Available:** all terms. **Duration:** 10 weeks

**SCOTLAND**

**Save Elephant Foundation:** Interns serve as program assists helping to organize outreach and rehabilitation efforts for an award-winning organization working on the conservation of endangered elephants. **Language:** English. **Available:** all terms. **Duration:** 3-6 months

**SOUTH AFRICA**

**Table Mountain National Park Conservation Internships:** Interns assist in conservation research and education efforts around the Cape Peninsula including projects related to baboons, birds and other regional fauna. **Language:** English. **Available:** all terms. **Duration:** 10 weeks

**SOUTH AFRICA**

**Table Mountain National Park Marine Conservation Internships:** Interns assist in conservation research, education and animal care efforts in aquariums and areas around the Cape Peninsula including projects related to sea birds, penguins, sharks and other marine fauna. **Language:** English. **Available:** all terms. **Duration:** 10 weeks
STUDY ABROAD FIELD TERM COURSES
Contact 541-737-3006 or intl.ambassador@oregonstate.edu

ECOLOGY AND EVOLUTION, ORGANISMAL BIOLOGY AND CONSERVATION

AUSTRALIA
Rainforest, Reef and Cultural Ecology
Explore the terrestrial and marine ecosystems of Australia and the relationship of humans with the environment while conducting a research project. Language: English. Available: Fall, winter-spring. (SIT)

BRAZIL
Amazon Resource Management and Human Ecology
Explore the development in the Amazon Basin, home of the world’s largest rain forest. Language: English. Some Portuguese or Spanish recommended. Available: Fall, winter-spring. (SIT)

COSTA RICA
Tropical Ecology and Conservation
Study the amazing biodiversity of the Monteverde Cloud Forest through classes and independent research. Language: English. Available: Fall, winter-spring. (CIEE)

ECUADOR (Galapagos Islands)
Galapagos Academic Institute for the Arts & Sciences
Study evolution, ecology and conservation in the footsteps of Darwin on one of the most interesting island systems in the world. Language: 1st year Spanish. Available: Fall, winter-spring. (OUS)

KENYA/TANZANIA
Comparative Wildlife Management Studies

MADAGASCAR
Biodiversity and Natural Resource Management
Study ecology and conduct research on this isolated island with a unique evolutionary past. Language: 2nd year French. Available: Fall, winter-spring. (SIT)

PANAMA
Tropical Island Biodiversity and Conservation Studies
Study the biodiversity and resource issues of Panama’s spectacular coastal and marine environments. Language: English. Available: fall, winter-spring. (SFS)

MEDICINE AND PUBLIC HEALTH

BOTSWANA
Community Public Health
Gain a holistic understanding of healthcare in Botswana and learn to speak the Setswana language for work in local communities. Language: English. Available: Summer-Fall, winter-spring. (CIEE)

BRAZIL
Public Health, Race and Human Rights
Study public health challenges in the most populous Latin American country. Language: English, but Romance language background recommended. Available: Fall, winter-spring. Prerequisites: Previous related coursework (SIT)

THAILAND
Khon Kaen University
Study public health in a country known for its innovative public health system. Language: English. Available: Fall, winter-spring. (CIEE)

MARINE BIOLOGY, MARINE ECOLOGY AND OCEANOGRAPHY

BONAIRE
Tropical Marine Ecology and Conservation
Study tropical marine ecology and conservation in the Caribbean while learning research diving techniques. Language: English. Available: Fall, winter-spring. (CIEE)

ECUADOR (Galapagos Islands)
Galapagos Academic Institute for the Arts & Sciences
Study marine biology in the footsteps of Darwin on one of the most interesting island systems in the world. Language: First year Spanish. Available: Fall, winter-spring. (OUS)

PACIFIC OR ATLANTIC
S.E.A. Semester
Study marine science and oceanography and then learn to sail while conducting research in the Atlantic or Pacific. Language: English.

Available: Fall, winter, winter-spring.

STUDY ABROAD SHORT FIELD COURSES
Contact 541-737-3006 or intl.ambassador@oregonstate.edu

BOTSWANA
COMMUNITY PUBLIC HEALTH
Gain a holistic understanding of health and healthcare in Botswana. The program equips you with basic Setswana skills. Language: English. Available: Summer (CIEE)

COSTA RICA
TROPICAL ECOTLOGY AND CONSERVATION
Study the amazing biodiversity of the Monteverde Cloud Forest while conducting research. Language: English. Available: Mid-June to mid-August. (CIEE)

DOMINICAN REPUBLIC
COMMUNITY PUBLIC HEALTH
Study community health through six weeks of language and healthcare courses, clinical field rotations and community service. Language: English. Available: Summer. (CIEE)

STUDY ABROAD UNIVERSITIES
Contact 541-737-3006 or intl.ambassador@oregonstate.edu

AUSTRALIA
JAMES COOK UNIVERSITY, TOWNSVILLE & CAIRNS
Study at a leader in marine and tropical biology and zoology located in Townsville near the Great Barrier Reef and rainforests. Language: English. Available: Summer-fall, winter-spring or year. (OUS)

MACQUARIE UNIVERSITY, SYDNEY
Study a variety of biology coursework and health and behavioral science electives at this campus of 30,000 students. Language: English. Available: Summer-Fall, winter-spring or year. (OSU)

ECUADOR
UNIVERSIDAD SAN FRANCISCO DE QUITO, CUMBAY
Study biology and health sciences high in the Andes Mountains at the center of Ecuador’s political and cultural activity. Language: Second-year Spanish. Available: Fall, winter-spring or year. (OUS)

FRANCE
4 UNIVERSITIES IN LYON
Study diverse areas of biology including genetics, organismal biology and health sciences in the second largest French city ideally located along the Rhône and Saône rivers. Language: Third-year French to take science, some English courses. Available: Year. (OUS)

The University of Poitiers is the second oldest in France and is similar in size to OSU. Students can study a variety of biology courses including ecology, Neuroscience and organismal biology. Language: Third-year French to take science. Available: Year. (OUS)

IRELAND
UNIVERSITY COLLEGE CORK
Study biology, ecology, zoology and health electives in the third largest city in Ireland. Language: English. Available: Fall, winter-spring or summer. (OUS)

NEW ZEALAND
UNIVERSITY OF Otago, DUNEDIN
Study biology, ecology, organismal biology, genetics and zoology at New Zealand’s oldest university located on the South Island. Language: English. Available: Fall, winter-spring or year. (IFSA)

SPAIN
UNIVERSIDAD DE CANTABRIA, SANTANDER
Study biology in the resort and port town of Santander near the mountains. Language: Third-year Spanish to take science. Available: Fall, winter-spring or year. (OUS)

UNITED KINGDOM
UNIVERSITY OF EDINBURGH
Study a variety of biology courses at one of the premier universities in the U.K. located in the architecturally renowned capital of Scotland. Language: English. Available: Fall, winter-spring or year. (IFSA)

Lancaster University
Study biology and health sciences electives in a university located a few miles from Lancaster in the Lake District. Language: English. Available: Term or year. (OSU)

UNIVERSITY OF SHEFFIELD
Sheffield is a leading research university with courses across many biology subjects, and a campus close to the Peak District National Park. Language: English. Available: Term or year. (OUS)

UNIVERSITY OF SUSSEX, BRIGHTON
Sussex is a comprehensive research university located in the
IE3 Global Internship and Study Abroad Checklist

RESEARCH INTERNSHIPS AND/OR STUDY ABROAD PROGRAMS

- Read about the programs available to Biology/Zoology students in the Study Abroad in Biology and Zoology document.
- Research the details of current internship positions at http://ie3global.ous.edu and study abroad programs at http://oregonstate.edu/international
- Come up with a list of the programs you are interested in.
- Talk to your advisor about program fit and the timing of going abroad.

TAKE THE LANGUAGE PLACEMENT TEST

Take the placement test in Kidder 210 if you took a language in high school and want to continue.

“FIRST-STEPS” ORIENTATION

- Go to http://oregonstate.edu/instruct/dce/idea/fs/ to complete the orientation
- If interested in the International Degree Program, contact International.Degree@oregonstate.edu.
- Complete the pre-advising form

PRE-ADVISING ADVISING MEETING

Meet with an international ambassador to discuss your completed pre-advising sheet. Bring any questions related to applications or other information about each program you are considering.

FOLLOW THE INTERNSHIP OR STUDY ABROAD STEPS BELOW:

IE3 Global Internships Steps

- Talk to your advisor and use MyDegrees to finalize the timing of your internship. Most students who go for a single term will go in the fall. Email Brock if you have questions at mcleodb@science.oregonstate.edu.
- Meet with an International Education Abroad Advisor at University Plaza, or call 541-737-3006 to make an appointment to discuss questions, applications and other information.
- Apply for programs. Take note of the application deadlines at http://ie3global.ous.edu/appinfo/appinfohome.html. Deadlines for IE3 Global Internships are generally two terms prior to departure. Applications typically include recommendation forms, essays, a current resume and college transcripts. Start your application early!
- Internship Credit
  You will need to apply for INTL 410 Internships credit through International Programs. Work with the IE3 Global advisor (University Plaza, 541-737-3006) regarding questions you have related to internship credit, supervision and other issues.

Study Abroad Steps

- Talk to your major advisor and use MyDegrees to determine completed and remaining courses. Look over the offerings abroad to see what is available and when it is offered. In some cases, study abroad advisors have lists of classes taken previously by students.
- Meet with an International Education Advisor at University Plaza, call 541-737-3006 (for appointments) to discuss your final choice.
- Apply for programs. Take note of application deadlines at http://oregonstate.edu/international (typically 6 months ahead). Applications include recommendations, essays, and transcripts, so start early. If the application requires an advisor’s signature, submit it two weeks ahead.
- After acceptance, seek course approvals. Research available courses abroad and determine the average student course load from the study abroad advisor. Draft an email of proposed classes with course descriptions and how you hope to count them for your major to Brock McLeod mcleodb@science.oregonstate.edu. Brock will follow up and clarify issues or give feedback as needed. Once you have interacted by email, Brock will have you set up an appointment http://ib.oregonstate.edu/advising/appointments.