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.

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 participate in internships in their junior year. Students earn 12 internship credits per term. Applicants must have at least junior standing and a 2.5 or higher GPA in addition to meeting the academic and language requirements of the program.

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. Applicants have different academic and language requirements based on each program but require good academic standing and a 2.5 or higher GPA.

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 International.Degree@oregonstate.edu or visit http://international.oregonstate.edu/id

“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
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

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://international.oregonstate.edu/osugo/finances-scholarships/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://international.oregonstate.edu/osugo/finances-scholarships/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, and all of the listed programs count toward the 180 credits required for graduation.

International experiences count in the following ways:

- IE3 Global Internship credits may be used to satisfy 3 credits (one course) of the Biology and Zoology major upper division electives areas (effective 2015-16). They can also be used to fulfill 3 credits (one course) and many of the electives areas in most of the Biology major options, ((2015-16).
- Study abroad courses can be used for major, Baccalaureate Core, minor, or elective credits to meet the 180 credits for graduation. The approvals for major and Bacc Core requirements need to be done with Brock McLeod, while language or minor requirements need to be reviewed by those units on campus.

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

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.

“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
GENETICS AND MOLECULAR BIOLOGY

CZECH REPUBLIC

WALES
Bangor University, Wales
Study genetics with 8,000 students in a town of 12,000. Bangor is near the mountains and ocean. Language: English. Available: Fall, winter-spring, or year. (OSU)

ECOLOGY AND EVOLUTION, ORGANISIMAL BIOLOGY

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. (IE3)

CHILE

COSTA RICA

TROPICAL ECOLOGY AND CONSERVATION
Study the amazing biodiversity of the Monteverde Cloud Forest through classes and independent research. Language: English. Available: Summer, fall, winter-spring. (CIEE)

ECUADOR (including the Galapagos Islands)
Internship: Fundacion Jatun Sacha: Work at one of six reserves from the Galapagos to the Amazon on research, education and management. Language: Beginning to intermediate Spanish. Available: all terms. Duration: 10-12 week minimum. (IE3)

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: Summer-fall, winter-spring. (IE3)

GABON
Internship: Gabon Biodiversity Program, Smithsonian: Assist with research and education projects studying regional biodiversity. Language: 2nd year French. Available: all terms. Duration: 3 months. (IE3)

IRELAND
University College Cork
Study biology, ecology, zoology in the third largest city in Ireland. Language: English. Available: Fall-winter, spring-summer, or academic year. (IE3)

KENYA/TANZANIA
Comparative Wildlife Management Studies

NAMIBIA

NEW ZEALAND
Internship: New Zealand Department of Conservation: Assist with conservation projects including; native bird recovery; animal and plant surveys; weed and predator control. Language: English. Available: October-March. Duration: 10 weeks. (IE3)

PANAMA
Internship: Smithsonian Tropical Research Institute: Assist in research tropical forest and marine ecology at seven different stations. Language: English, some Spanish helpful. Available: all terms. Duration: 10 week minimum. (IE3)

SCOTLAND
Internship: Scottish Seabird Center: Assist with conservation projects including; native bird recovery; education and management. Language: English. Available: Summer-fall, winter-spring. (IE3)

SOUTH AFRICA
Internship: Table Mountain National Park Conservation Internships: Assist with 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: 11 weeks. (IE3)

THAILAND
Internship: Save Elephant Foundation: Assist with program outreach and rehabilitation efforts for an award-winning organization working on endangered elephant conservation. Language: English. Available: all terms. Duration: 10 weeks minimum. (IE3)
“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

WALES
Bangor University, Wales
Study ecology, marine biology and zoology with 8,000 students in a town of 12,000. Bangor is near the mountains and has an outstanding marine laboratory. **Language**: English. **Available**: Fall, winter-spring, or year. (OSU)

MARINE BIOLOGY AND MARINE SCIENCE

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. (IE3)

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

ECUADOR (Galapagos Islands)
Internship: Equilibrio Azul: Assist with a number of coastal conservation and fisheries projects. **Language**: beginning to intermediate Spanish. **Available**: all terms. **Duration**: 10 weeks. (IE3)

Galapagos Academic Institute For 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**: Summer-fall, winter-spring. (IE3)

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, spring, summer.

PANAMA
Internship: Smithsonian Tropical Research Institute: Assist with research at marine laboratories on either coast of Panama. **Language**: English, some Spanish helpful. **Available**: all terms. **Duration**: 10 weeks. (IE3)

SOUTH AFRICA
Internship: Table Mountain National Park Marine Conservation Internships: 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**: 11 weeks. (IE3)

WALES
Bangor University, Wales
Study ecology, marine biology and zoology with 8,000 students in a town of 12,000. Bangor is near the mountains and has an outstanding marine laboratory. **Language**: English. **Available**: Fall, winter-spring, or year. (OSU)

PRE-EDUCATION

A diverse set of education-focused internships are available on the IE3 website at: [http://ie3global.org/school/oregon-state-university/internships/](http://ie3global.org/school/oregon-state-university/internships/)
### PRE-DENTAL

**ECUADOR**  
**Internship: Child Family Health International (CFHI)-Sonrie Dental:** 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. (IE3)

**INDIA**  
**Internship: Center for Social Medicine:** Experience rural healthcare in a community-focused environment while shadowing in various healthcare contexts. **Language:** English. **Available:** all terms. **Duration:** 10 weeks. (IE3)

### PRE-MEDICAL

**ARGENTINA**  
**Internship: CFHI-Primary Care & Social Medicine:** Rotate through a variety of government clinics and hospitals for underserved populations. **Language:** Intermediate Spanish strongly recommended. **Available:** all terms. **Duration:** 10 weeks. (IE3)

**BOLIVIA**  
**Internship: CFHI-Pediatric Health:** 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. (IE3)

**BOTSWANA**  
**Community Public Health**  
Study the holistic healthcare system in Botswana and learn to speak the Setswana language for work in local communities. **Language:** English. **Available:** All terms. (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)

**ECUADOR**  
**Internship: CFHI-Intensive Beginner Spanish & Healthcare:** Participate in intensive Spanish courses while working with local non-profits and participating in clinical rotations. **Language:** Little to no Spanish skills required. **Available:** all terms. **Duration:** 10 weeks. (IE3)

**Internship: CFHI-Sexual Health as a Human Right:** Participate in local non-profit work on sexual health as a human right. Includes Spanish classes and homestays. **Language:** Intermediate Spanish. **Available:** all terms. **Duration:** 10 weeks. (IE3)

**Internship: CFHI-Urban/Rural, Amazon, Andean Health:** 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. (IE3)

**INDIA**  
**Internship: Center for Social Medicine:** Experience rural healthcare in a community-focused environment while shadowing in various healthcare contexts. **Language:** English. **Available:** all terms. **Duration:** 10 weeks. (IE3)

**Internship: CFHI-Healthcare Rotations:** Rotate through a variety of clinical experiences in infectious disease; rural/urban comparative health; traditional medicine; HIV; and maternal and child health. **Language:** English, some Hindi or Marathi may be helpful for daily living. **Available:** all terms. **Duration:** 10 weeks. (IE3)

**MEXICO**  
**Internship: CFHI-Healthcare Rotations:** Rotate through clinical experiences in rural and tropical medicine in the diverse region of Oaxaca. **Language:** Beginning level Spanish recommended. **Available:** calendar year. **Duration:** 10 weeks. (IE3)

**SOUTH AFRICA**  
**Internship: CFHI-Pre-Med Rotations:** Rotate through a variety of clinics, hospitals and other health care facilities observing the impact of HIV and other health issues. **Language:** English. **Available:** all terms. **Duration:** 10 weeks. (IE3)

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

**UGANDA**  
**Internship: PROMETRA:** Participate in non-profit work related to traditional medical knowledge research, advocacy and training. **Language:** English. **Available:** all terms. **Duration:** 3-6 months. (IE3)
GERMANY

Pharmacy Internships: Experience working in a German pharmacy. **Language:** 3rd year German. **Available:** all terms. **Duration:** 3 months. (IE3)

INDIA

**Center for Social Medicine:** Experience rural community healthcare while shadowing various health professionals. **Language:** English. **Available:** all terms. **Duration:** 10 weeks. (IE3)

COOK ISLANDS (South Pacific)

**Internship: The Esther Honey Foundation, Inc- Animal Clinic:** Assist in providing veterinarian services in a small island clinic. **Language:** English. **Available:** spring or fall. **Duration:** 6 months. (IE3)

NAMIBIA

**Internship: Cheetah Conservation Fund:** Work on cheetah research and conservation projects as well as cheetah care. **Language:** English. Some German helpful. **Available:** all terms. **Duration:** 10 weeks. (IE3)

SOUTH AFRICA

**Internship: Table Mountain National Park Marine Conservation Internships:** 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:** 11 weeks. (IE3)

THAILAND

**Internship: Highland Farm Gibbon Sanctuary:** Assist in care and medical attention for rescued gibbons. **Language:** English. Willingness to learn Thai helpful. **Available:** all terms. **Duration:** 10 -12 weeks. (IE3)

FRANCE

**4 Universities in Lyon**
Study diverse areas of biology including genetics, organismal biology and health sciences in the second largest French city located along the Rhône and Saône rivers. **Language:** Third-year French to take science, some English courses. **Available:** Winter-spring, summer-fall, or year. (IE3)

**University of Poitiers**
Study at the second oldest university in France, 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:** Winter-spring, summer-fall, or year. (IE3)

**University of Sussex, Brighton**
Study at a comprehensive research university located in the coastal university town of Brighton. **Language:** English. **Available:** Fall, winter-spring, summer, or year. (OSU)

OTHER EXCHANGE OPPORTUNITIES

AUSTRALIA

**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:** Winter-spring, summer-fall, or year. (IE3)
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.
- 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/](http://oregonstate.edu/instruct/dce/idea/fs/) to complete the orientation
- If interested in the International Degree Program, contact [International.Degree@oregonstate.edu](mailto:International.Degree@oregonstate.edu).
- Complete the [pre-advising form](#)

“NEXT-STEPS” 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](mailto: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.org/school/oregon-state-university/internships/internships-faqs/#2](http://ie3global.org/school/oregon-state-university/internships/internships-faqs/#2) 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://international.oregonstate.edu/osugo/osu-study-abroad-application-deadlines](http://international.oregonstate.edu/osugo/osu-study-abroad-application-deadlines) (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](mailto: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](http://ib.oregonstate.edu/advising/appointments)