INTRODUCTION TO THE MAJOR

Students in the Integrative Biology (IB) major gain a broad and deep knowledge of the biological sciences as well as an excellent foundation in the biology of organisms, populations, and communities. Our research spans hierarchical levels from molecules to ecosystems, incorporating many diverse disciplines to unravel the complexity of biology.

If you are interested in medicine and related health sciences, ecology and environmental sciences, or whole-organism biology, including the study of genetic, cellular, and morphological processes in animals and plants, then this is the major for you.

AMPLIFY YOUR MAJOR

- Engage in undergraduate research on a faculty-initiated project or your own research topic.
- Get teaching experience in an IB course or as a DeCal facilitator.
- Expand your perspective through study abroad while satisfying major requirements.

EMPHASES IN IB

Students majoring in Integrative Biology choose one of two emphases: Ecology, Evolution, and Organismal Biology (Emphasis 1) or Integrative Human Biology (Emphasis 2).

The lower division requirements are the same for all IB students, regardless of the emphasis. The upper division requirements differ slightly for the two emphases, but all students take lecture and lab or field lab classes from IB's three groups: Evolution and Genetics; Ecology, Behavior, and Biodiversity; Structure, Function, and Human Health.

HOW TO USE THIS MAP

Use this map to help plan and guide your experience at UC Berkeley, including academic, co-curricular, and discovery opportunities. Everyone's Berkeley experience is different and activities in this map are suggestions. Always consult with your advisors whenever possible for new opportunities and updates.

CONNECT WITH US

Cal Day
Come to UC Berkeley's annual Open House in April for information sessions, campus tours, special talks, and more.

Golden Bear Orientation
Join your peers in the campus-wide UC Berkeley orientation program for all new students.

Events
Attend department events with students, faculty, and staff. Visit ib.berkeley.edu for news and updates.

ADVISING

Staff advisors are here to support you through remote and in-person appointments, plus drop-in advising options.

Junior and senior IB students also provide peer advising on the content of specific classes, help you to develop plans, and answer general questions about being a student at Berkeley.

Faculty advisors are also available by appointment to discuss courses, research, and the department as a whole.

“What I love the variety of labs and classes available in Integrative Biology.”

– Spring 2018 Graduate in IB

Visit ue.berkeley.edu/majormaps for the latest version of this major map.
**INTEGRATIVE BIOLOGY**

**Bachelor of Arts**

### FIRST YEAR

**Explore your major**
- Visit the **IB website** to learn about studying IB at Berkeley.
- Familiarize yourself with **major and college requirements**.
- Meet with an **IB peer advisor** to discuss the variety of courses offered by IB, including IB 77 and Freshman and Sophomore Seminars.

**Connect and build community**
- Build your scientific community in IB 75.
- Discover your Inner Biologist.
- Attend **Calapalooza** to explore **opportunities and workshops**.
- Form a study group and get tutoring at the **Student Learning Center**.
- Join IB on Facebook, Instagram, & Twitter.

**Discover your passions**
- Visit the **Office of Undergraduate Research** to learn about research on campus.
- Explore new topics in student-facilitated **DeCal courses**.
- Develop skills by teaching math and science to K-12 students in the **CalTeach Program**.

**Engage locally and globally**
- Research study abroad programs.
- Explore volunteering opportunities on campus and in the Berkeley community (e.g., **Cal Sports Medicine, Berkeley Free Clinic**).
- Learn about community service opportunities with the **Public Service Center**.

**Reflect and plan your future**
- Use Berkeley Career Engagement’s **Yearly Planner** to guide your career path.
- Join Handshake and sign up for Career Mail to find Berkeley-specific internship opportunities and development workshops.
- Visit the **Career Counseling Library**.

### SECOND YEAR

**Explore your major**
- Check-in with an **IB staff advisor** to discuss IB’s two emphases and to review your major requirements and declaration plan.
- Volunteer with IB at **Cal Day**.
- Plan now if you are considering a **minor or summer minor**.
- Sign up for IB’s newsletter.

**Connect and build community**
- Attend IB department events, including socials and seminars.
- Go to office hours to build relationships with professors and graduate student instructors.
- Meet with **IB faculty**.
- Connect with a community of biology students in the **Biology Scholars Program**.

**Discover your passions**
- Earn credit through undergraduate research opportunities for IB students.
- Explore unique fields such as **Bioinspired Design or Human Biological Variation**.
- Assist in research through **URAP**.
- Get involved with **citizen science**.

**Engage locally and globally**
- Explore study abroad options that satisfy IB requirements.
- Consider the **Alternative Breaks** program to go on service-learning trips over school breaks.
- Look into the Career Center’s list of **health volunteer opportunities**.

**Reflect and plan your future**
- Meet alumni in the **Career Connections Networking Series** or shadow through the **Cal Job Shadow Program**.
- Conduct **Informational Interviews** to learn more about different career fields, including those related to IB.
- Attend **internship fairs**.

### THIRD YEAR

**Explore your major**
- If still undeclared, visit the **IB website** to start the declaration process.
- Start upper division courses (some are taught only once every other year).
- Expand your studies with an **enrichment course** or elective in another department.

**Connect and build community**
- Meet with a graduate student mentor as part of Berkeley Connect’s **IB 196BC course**.
- Grow your study groups into communities of support.
- Apply for leadership positions in student organizations or start your own new club.
- Give back by becoming an **IB Peer Advisor**.

**Discover your passions**
- Apply to summer research opportunities such as the **SURF Program and Haas Scholars Program**.
- Apply for **fellowships** to fund your own project.
- Facilitate your own **DeCal course** on a topic you are interested in or passionate about.

**Engage locally and globally**
- Apply for **NSF Research Experience for Undergraduates** programs at schools around the country.
- Attend professional association conferences for networking opportunities.
- Consider international research or exchange programs like IB’s **Study Abroad in Norway**.

**Reflect and plan your future**
- If eligible, consider applying to the **IB honors program**.
- Enroll in non-major courses you haven’t had time to pursue or courses that are outside your comfort zone.

**WHAT CAN I DO WITH MY MAJOR?**

**Jobs and Employers**
- Analyst, Bank of America
- Biological Lab Aide, USDA
- Clinic Coordinator, Cal. Psychcare
- Clinical Research Coordinator, UCSF
- EMT, Lynch Ambulance
- Fellow, AmeriCorps
- Medical Fellow, East Bay Ophthalmol.
- Mental Health Couns., Finch Youth
- Naturalist, Camp SEA Laboratory
- Research Assist., Stanford
- Research Associate, Genentech
- Teacher, Teach for America
- Veterinary Assistant, VCA
- Visiting Nurse, Holistic Care

**Graduate Programs**
- Animal Biology
- Biomedical Engineering
- Business Communication
- Computer Science Dentistry
- Ecology Education
- Evolution Genetics
- Law Medicine
- Molecular Biology
- Nursing Optometry
- Pharmacy Physical Therapy
- Public Health Veterinary Medicine

Examples gathered from the First Destination Survey of recent Berkeley graduates.

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