



SUMMARY

The sciences in L&S encompass a breadth of disciplines spanning all levels of organization and encompassing diverse organisms. With about 112 full-time faculty in two departments, the Division of Biological Sciences offers a variety of programs that allow students to prepare for future careers in professional fields such as health sciences, veterinary medicine, biotechnology, environmental science, and academia. Undergraduate majors are encouraged to gain experience through independent research studies by working closely with faculty in cutting-edge research using advanced technology. With a full-time faculty of about 160, the Division of Mathematical and Physical Sciences seeks to expand our physical and mathematical understanding of the universe, from its microscopic substructure to its largest structures, from our own earth to the edge of the universe and the beginning of time.

- **Molecular and Cell Biology**
- **Integrative Biology**
- **Applied Mathematics**
- **Astrophysics**
- **Earth Science**
- **Physics**
- **Statistics**

At College of Natural Resources, students study natural and human systems from biological, ecological, economic, and social science perspectives. With more than 120 faculty and approximately 1,800 undergraduate and 300 graduate students, CNR engages the issues that shape the complex, interconnected world of the 21st century, from sustainable food systems to obesity, from water policy to energy policy, and from the far-reaching impacts of climate change to the linkages between the human genome, diet, and disease.

- **Genetics & Plant Biology (GPB)**
- **Microbial Biology (MB)**
- **Molecular Environmental Biology (MEB)**
- **Nutritional Sciences & Toxicology (NS)**
- **Conservation and Resource Studies (CRS)**
- **Environmental Sciences (ES)**
- **Forestry & Natural Resources (FNR)**
- **Environmental Economics And Policy (EEP)**
- **Society & Environment (S&E)**

LOWER DIVISION REQUIREMENTS

Sciences in L&S is such a broad field, so depending on your major, there will be different lower division requirements. However, the following requirements are specific to students in the College of Letters and Sciences

- Reading and Composition
- Quantitative Reasoning
- Foreign Language
- Seven-Course Breadth Requirement

For College of Natural Resources, you will have to complete the Reading and Composition requirement and American History and Institutions (AH&I) in addition to campus requirements. Specific lower division requirements are different for each major within CNR.

STUDENT ORGANIZATIONS & CLUBS

- American Red Cross
- Berkeley Scientific Journal
- Biology Scholars Program
- Cal Undergraduate Public Health Coalition (Cal UPHC)
- Environmental Sciences Student Association (ESSA)
- Microbial Sciences Association
- Mathematics Undergraduate Student Association
- Molecular and Cell Biology Cell Developmental Neurobiological Association (MCBcDNA)
- Pre-Pharmacy Informational Learning & Leadership Society (PILLS)
- Space Exploration Society at Berkeley (SEDS)



FREQUENTLY ASKED QUESTIONS

What do I do if I'm not pre-med?

It's a common misconception that everyone majoring in sciences is pre-med. That is definitely not true and over the next four years, even intended pre-meds may change their minds to pursue a different passion. There's a wide range of career paths including academia, research, Peace Corps, biotechnology, etc. If you don't know what career you want to pursue yet, that's completely okay. Talk to your college/major advisor to figure out how to best align your passions with a career. According to Career Center's Career Destinations Survey for the Class of 2013, 26% of L&S students were already employed full-time, 18.5% enrolled in graduate school, 34.8% were seeking employment, and the remaining students were engaged in part-time employment, internships, volunteering, etc.

How do I get involved with research?

Most students get involved with research during their second year at Cal. Visit the research website <http://research.berkeley.edu> for links to on- and off-campus programs. Remember, UCSF and Berkeley Lawrence National Laboratory also offer many exciting research opportunities! Reach out to your professors by emailing them about their research project that you found interesting. Be sure to convey your enthusiasm about passion! There are several other programs on campus that helps students get involved with research, including the Undergraduate Research Apprentice Program (URAP), Summer Undergraduate Research Fellowships (SURF), etc.

HELPFUL WEBSITES

Berkeley Academic Guide: <http://guide.berkeley.edu/undergraduate/degree-programs/>

Career Center: <https://career.berkeley.edu/>

Student Organizations and Clubs: <https://callink.berkeley.edu/Organizations>

Course Catalog: <http://www.berkeleytime.com/catalog/>

Schedule of Classes: <http://schedule.berkeley.edu/>

College of Letters and Science: <http://ls.berkeley.edu/>

What can I do with my Major: <https://career.berkeley.edu/CarDest/CarDest2013.stm>

Undergraduate Research at Cal: <http://research.berkeley.edu/opportunities.php?option=bab>