2023 UCLA New Student Session

UCLA College | Life Sciences
Ecology & Evolutionary Biology

Undergraduate Counselors

Jessica Angus

Wendy Ramos

Where are We Located?

Hershey Hall 101
Entrance: Behind Terasaki Life Sciences Building

How to Contact Us

Phone: 310-825-1680
Message Center through MyUCLA

Always include the following information:

- Your full name
- Your 9-digit student ID number (UID)
- Your specific question(s)

Please be aware that the counselors in the EEB Undergraduate Office do not check their Message Center messages outside of regular office hours

What Can Counselors Assist With?

- Major and minor requirements
- Enrollment into classes offered by their department
- Class planning

What Can Counselors NOT Assist With?

- CANNOT enroll you into classes offered by a different department.
- Extending your time to degree
- Increasing your unit max
- Academic holds

Bruin Learn

This page will provide department announcements such as:

➢ Office Hours for the EEB Undergraduate Office

➢ Department events

➢ New classes or seats being opened during enrollment

➢ Field Biology Quarter, Field Marine Biology Quarter, and Marine Biology Quarter application cycles

➢ Programs related to graduate schools and professional schools

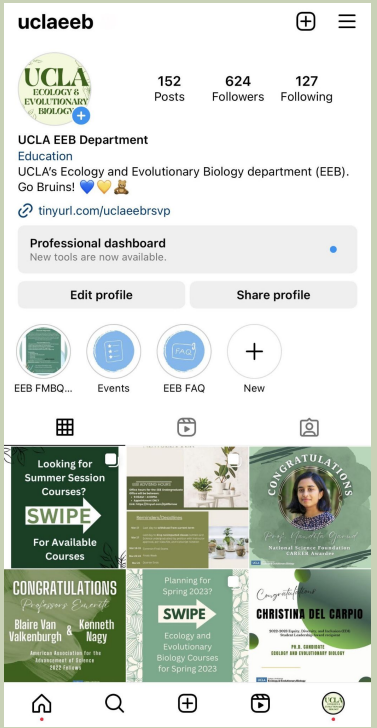
➢ Opportunities for research, leadership, internships, employment, scholarships, volunteering, and study abroad

To Enroll:

https://tinyurl.com/EEBbruinlearn

Instagram

@UCLAEEB



Knowledge Check

Where is the advising office located?

What should you include if you're sending a message on MyUcla?

Academic Eligibility

- Each core curriculum course (major prep) must be passed with a *grade of C- or better*, and all courses must be completed with an overall grade-point average of 2.0 or better.
  - Students receiving a grade below C- in two core curriculum courses, either in separate courses or repetitions of the same course, are subject to dismissal from the major.
- Academic checks after each quarter. Students who did not meet minimum requirements will receive notification that their major status IS one of the following:
  - **Warning** (one major prep course whose grade is below C-)
  - **Probation** (two major prep courses whose grades are below C-) or
  - **Ineligible** (see policy above) - Students who are determined to be Ineligible for their chosen EEB major will have their major changed to Undeclared.

Recommended Sequence for Each Area of Study is Indicated by Asterisk (*).

CHEMISTRY (Choose one series.)

	Course	Title	Co-/Pre-Requisite(s)	Units
*	14A OR 14AE	(14A) Atomic and Molecular Structure, Equilibria, Acids, and Bases (14AE) General Chemistry for Life Sciences I - Enhanced	Prep: HS chem and 3 ½ years HS math; Enforced co-req: LS 30A or Math 3A/31A or score of 48 or better on Math Diagnostics Test.	4
*	14B OR 14BE	(14B) Thermodynamics, Electrochemistry, Kinetics, and Organic Chemistry (14BE) General Chemistry for Life Sciences II - Enhanced	Enforced co-reqs: 14A with min. grade of C-; LS 30B or Math 3B/31B with min. grade of C	4
*	14BL	General and Organic Chemistry Laboratory I	Enforced req: 14A with min. grade of C-; Enforced co-req: 14B	3
*	14C	Structure of Organic Molecules	Enforced requisite: 14B with min. grade of C	4
*	14D	Organic Reactions and Pharmaceuticals	Enforced requisite: 14C with min. grade of C	4
*	14CL	General and Organic Chemistry Laboratory II *-not required for the major but needed for pre-health*	Enforced requisites: 14B and 14BL with min. grade of C	4

PHYSICS (Choose one series.)

	Course	Title	Co-/Pre-Requisite(s)	Units
*	5A	Physics for Life Sciences Majors: Mechanics & Energy	Enforced reqs: Math 3A, 3B, 3C (may be taken concurrently) or LS 30A, 30B	5
*	5B	Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics	Enforced req: 5A	5
*	5C	Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics	Enforced req: 5A	5

Recommended Sequence for Each Area of Study is Indicated by Asterisk (*).

MATHEMATICS & STATISTICS (Choose one series.) *NOTE: Not all Life Sciences majors require statistics.*

	Course	Title	Co-/Pre-Requisite(s)	Units
*	LS 30A	Mathematics for Life Scientists	Preparation: 3 years of HS math (to algebra II), basic familiarity with computers	5
*	LS 30B	Mathematics for Life Scientists	Enforced requisite: 30A	5

*	LS 40 OR Stats 13	Statistics of Biological Systems Introduction to Statistical Methods for Life & Health Sciences	(LS 40) Enforced requisite: 30A N/A	5 5

	Course	Title	Co-/Pre-Requisite(s)	Units
	Math 3A	Calculus for Life Sciences Students	Preparation: 3 ½ years HS math Enforced requisite: score of 48 or better on Math Diagnostics Test or Math 1 with min. grade of C	4
	3B	Calculus for Life Sciences Students	Requisite: 3A with min. grade of C-	4
	3C	Ordinary Differential Equations with Linear Algebra for Life Sciences Students	Requisite: 3B with min. grade of C-	4
*	LS 40 OR Stats 13	Statistics of Biological Systems Introduction to Statistical Methods for Life & Health Sciences	(LS 40) Enforced requisite: 30A N/A	5 5

	Course	Title	Co-/Pre-Requisite(s)	Units
	Math 31A OR Math 31AL	(31A) Differential and Integral Calculus (31AL) Differential and Integral Calculus Laboratory	Preparation: 3 ½ years HS math (including some coordinate geometry and trigonometry) Enforced requisite: successful completion of Math Diagnostics Test or Math 1 with min. grade of C- (31AL) Cannot take both 31A and 31AL.	4 (31A) 5 (31AL)
	31B	Integration and Infinite Series	Requisite: 31A with min. grade of C Cannot take both 31B and 3B	4
	32A	Calculus of Several Variables	Enforced requisite: 31A with min. grade of C	4
*	LS 40 OR Stats 13	Statistics of Biological Systems Introduction to Statistical Methods for Life & Health Sciences	(LS 40) Enforced requisite: 30A N/A	5 5

LIFE SCIENCES

	Course	Title	Co-/Pre-Requisite(s)	Units
*	7A	Cell and Molecular Biology	N/A	5
*	7B	Genetics, Evolution, and Ecology	Enforced req: 7A	5
*	7C	Physiology and Human Biology	Enforced req: 7B	5
*	23L	Introduction to Laboratory and Scientific Methodology	Enforced req: LS 2 or 7B; recommended to be taken concurrently with LS 7C	3

Notes:

- The Chemistry and Math series are TRUE sequences, i.e., you must complete the courses in order.
- Statistics is not required for all Life Sciences majors. However, you will need statistics if you plan to engage in research.
- Students who repeat more than two major prep courses or any major prep course more than once are subject to dismissal from any major in the Division of Life Sciences.

Applying AP Credits Toward Your Major

- AP units may be applied toward graduation, but do not count against the allowable unit maximum for the Bachelor's degree (216 units).
- AP credit will not allow you to skip major classes, except Calculus.

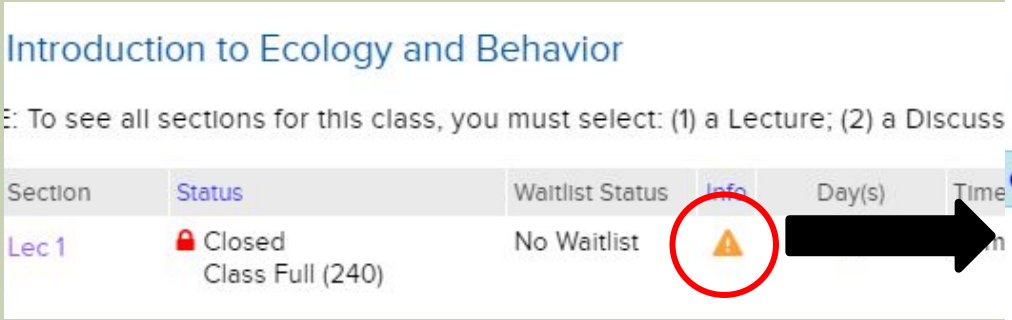
Mathematics
(8 unit max for both exams)

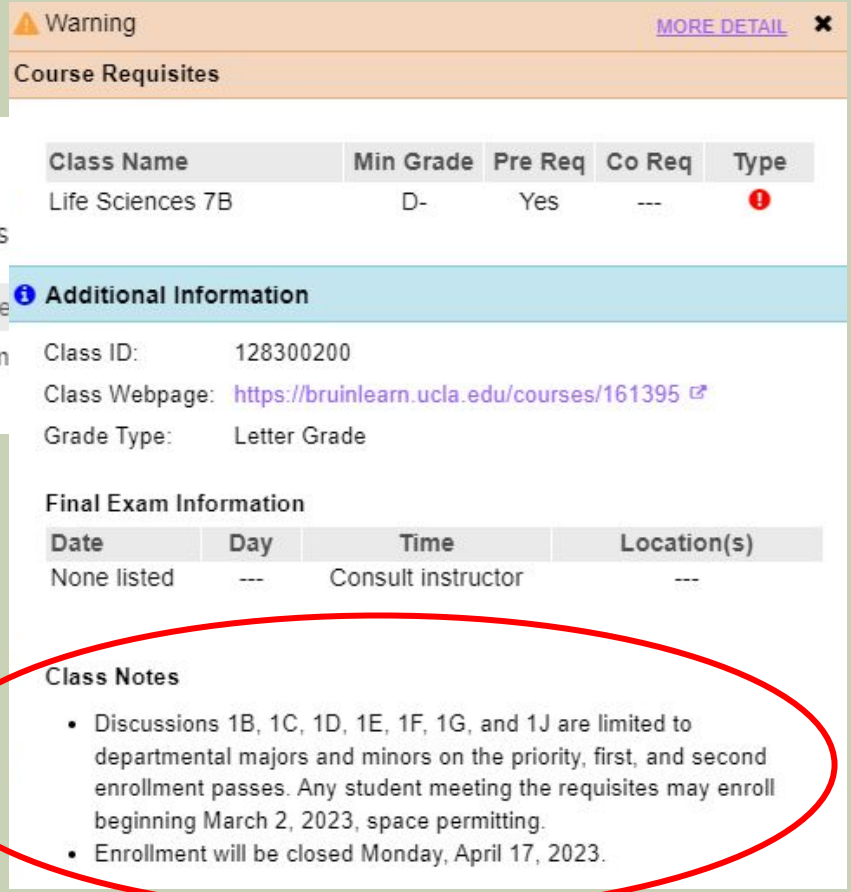
AP Exam Name	AP Score	Subject Area	Title/Course #	Units	Req's Met
Calculus AB/AB subscore of BC exam	3–4	MATH	Calculus	4.0	QR
	5	MATH	31A	4.0	QR
Calculus BC	3	MATH	Calculus	8.0	QR
	4	MATH	31A/Calculus	8.0	QR
	5	MATH	31A and 31B	8.0	QR

Enrollment Process

- You are allowed to enroll in a maximum of 19 units without special permission during Fall, Winter and Spring Quarter.
- During Summer Sessions, you are allowed to enroll in a maximum of 18 units without special permission.
- To enroll in more than the allowed maximum units, you must obtain permission from your College Counseling unit (CAC, AAP, Honors, Athletics).
- During First Pass, students are allowed to enroll in a maximum of 10 units total. You will be able to enroll in your remaining units once your Second Pass begins.

Class Notes





- Important to review "Class Notes" while schedule planning.
- Some lab/discussion sections may be limited to certain majors/minors during first + second passes.
- Shows prereqs for each class
  - If a prerequisite is **enforced**, it will prevent you from enrolling in the class.

= enforced prereq

Course Planning Tips

- It is recommended that you take no more than three (3) classes in your first quarter at UCLA.
- We recommend that you take two (2) science/major classes and one (1) non-science course, e.g., general education, writing, etc. in your first quarter.
- Begin to enroll in upper division EEB courses towards the end of your second year
  - e.g., EEB 100
    - The main prerequisite for the upper division EEB courses is LS 7B.
- As a major in the Life Sciences, you should NOT take any GE courses in the Foundations of Scientific Inquiry category.
  - The courses within the Life Science Core Curriculum will satisfy this area.

Course Planning Tips

- Avoid taking two (2) lab courses in the same quarter.
- Save some of your GE classes for later quarters in order to balance your schedule.
  - Suggestion: save 2-3 GEs to take via upper division (numbered 100 - 199) courses to help meet the College's 60 Upper Division Unit minimum.
- Check the Final Exam schedule when choosing classes. Most students prefer not having more than one final on the same day.
  - NOTE: if you have any final exams or courses with time conflicts, the instructors are not obligated to provide you with time accommodations.
- If you have questions about your schedule, please consult your departmental counselor.

Other Department Contacts

Life Sciences Core Office (LS 7A, 7B, 7C, 23L, 107; 20, 30A, 30B, 40) 2305 Life Sciences Building, (310) 825-6614 *Enrollment E-mail:* *LScore@lifesci.ucla.edu*	***Chemistry & Biochemistry*** (All Chemistry classes, e.g., Chem 14-series, etc.) 4006 Young Hall, (310) 825-1859 *E-mail:* *ugrad@chem.ucla.edu*	***Mathematics*** (All Math classes, e.g., Math 3-series, etc.) 6356 Math Sciences Building, (310) 206-1286 *E-mail:* *ugrad@math.ucla.edu*	***Physics*** (All Physics classes, e.g., Physics 5-series) 1-707D Physics and Astronomy Building, (310) 206-1447 *Contact: Mary Tran (mtran@physics.ucla.edu)*	**Statistics** (All Statistics classes, e.g., Stats 13) 8117 Math Sciences Building, (310) 206-3742 *Contact: Michael Kang (michael.kang@stat.ucla.edu)*

- FOR ENROLLMENT ASSISTANCE: Contact the department that is offering the course. It is recommended that you e-mail the appropriate department with your enrollment request once your enrollment pass time has started.
- Departments can only add you to your requested class once your enrollment pass begins and IF there is still space in the class.

Counseling: College vs Major

College (CAC, Honors, AAP, Athletics)

- Satisfying degree requirements
  - GE, foreign language, minimum unit requirements
- Deciding on major
- Non-major classes to take
- Personalized academic plan based on interests and post-graduation goals
- Extra- and co-curricular opportunities

EEB Undergraduate Advising

- Enrollment in EEB classes
- Major/minor schedule planning
  - Marine Bio, EBE, Biology
  - Conservation Bio, Evolutionary Medicine
- Departmental policies
- Contract courses
- Academic standing in major
- Departmental evaluations
- Course substitutions
- Graduate school requirements

College Advising Contact Information

College Academic Counseling (CAC)	Academic Advancement Program (AAP)	Honors	Student Athletics
A316 Murphy Hall In-person window hours: M-Th: 10 am- 2 pm F: 10:30 am- 2 pm (excluding university holidays) Submit forms/petitions via MyUCLA Message Center	*1205 Campbell Hall* In person: M-F: 10 am- 3 pm REACH Virtual Drop-in: M: 11 am- 3pm T-F: 10 am- 3pm Also available via MyUCLA Message Center	*A311 Murphy Hall* In-person: M: 10 am- 12pm, 2pm- 4 pm T: 10 am-12 pm Th: 2 pm- 4 pm 30-min appointments available over Zoom, phone, or in-person email honors.appointments@college.ucla.edu to schedule. 10 min drop-ons also available.	Student-Athletes are assigned a college academic counselor. Please direct all academic questions to them in the appropriate manner.

Knowledge Check

What are the academic eligibility requirements to stay in the major?

Which advisor would you contact if you wanted information on fulfilling your foreign language requirement?

What do we recommend you take during your first quarter?

Student Life

- Clubs
  - http://www.studentgroups.ucla.edu/home/
- Department of Ecology and Evolutionary Biology Undergraduate Association
  - Provide for its members a means of creating stronger ties to the Department, its alumni and fellow students; a means of representing their opinions to the Administration concerning University and Department rules and regulations; a program of social, educational and pre-professional activities; and opportunities for the development of leadership and responsibility through participation in student government
  - Instagram: **@eeb_ua**
- The EBE Field Quarters (FBQ or MBQ or FMBQ).
  - The application period is usually one year prior to the field quarter. Information about upcoming field quarters and application availability and deadlines will be sent via the EEB Undergraduate BruinLearn.

Life Science Orgs

- Life Sciences Student Association (LSSA)
  - Aims to serve Life Science students with their academic and social needs, by cross-campus collaboration, programming, and other community-building activities.
  - Instagram: **@LSSAatUCLA**
- Bruin Surgical Undergraduate Society
  - For pre-med and pre-health students interested in gaining exposure to the field of surgery.
  - Instagram: **@bsusUCLA**
- Be Green Bruin
  - Provide college students the opportunity to learn, share, and discuss the food movement, sustainability, environmentalism, and regenerative systems.
  - Instagram: **@BeGreenBruin**

Undergraduate Research

Participating in undergraduate research lets you:

- Work one-on-one with faculty,
- Participate in cutting-edge research projects with far-reaching impacts,
- Make significant contributions to a field you care about, and
- Enhance your competitiveness for high-level employment and admission to graduate and professional schools.

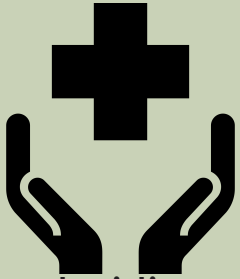
All students interested in research should attend "Getting into Research & SRP-99" workshops (offered weekly by the Undergraduate Research Center).

https://sciences.ugresearch.ucla.edu/

Steps to Research

1. Identify your research interests
    a. Consider what type of research you are interested in pursuing and make a list of subjects that interest you. Talk to your TA's and professors about your interests and what type of work is currently being done in those fields.
2. Make a list of 5-10 potential faculty & opportunities
    a. Visit the department websites relevant to the subjects and fields of interest you identified to find lab websites and publications of UCLA Faculty.
    b. Visit the Undergraduate Research Portal to find actively recruiting faculty.
3. Contact faculty & apply to research opportunities
    a. Email the faculty introducing yourself, explain your interest in their research, identify your goals and how working with them will help you reach your goals, include a cover letter, CV, and contact information, request an interview and provide your general availability
4. Prepare for an interview
    a. Be on time and prepare to ask them questions as well.

Pre-Health at UCLA Resources



- Pre-Health at UCLA has many resources to help you on your journey– from deciding what career to pursue to applying for graduate school.
  - Medicine, Physician's Assistant, Nursing, Dentistry, Pharmacy, Optometry, Physical & Occupational Therapy, etc
  - https://prehealth.ucla.edu/
- Career Center Pre-Health Advising
  - Pre-Health Drop-Ins: Fridays 12-1pm (Weeks 1-10)
  - Appointments through Handshake
- Pre-Health Events
  - Pre-Health at UCLA Facebook Page– Follow to stay in the loop about pre-health events on campus, organized by a variety of campus departments and organizations.
- College Academic Advisors
  - Career exploration and research/volunteer opportunities