Pre-Graduate School Fall Series Workshops

Are graduate school application deadlines sneaking up on you? Get a head start on your preparations for graduate or professional school applications in these informative workshops offered by the Student Academic Success Center. Whether you are applying this quarter or planning ahead, these sessions will provide you with what you need to know to make yourself a competitive applicant for graduate or professional school, along with the steps involved in the application process.

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<tr>
<th>MASTER’S, PhD, OR BOTH? How to Prepare For and Apply to Graduate School</th>
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<tbody>
<tr>
<td>When: Wednesday, October 8, 12:10 – 1:00 pm</td>
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<tr>
<td>Where: 114 South Hall</td>
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<tr>
<td>Find out how to prepare for and apply to graduate school and the difference between a Master’s and Ph.D. Learn about getting letters of rec, writing the statement of purpose, and taking the GRE.</td>
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<tr>
<th>THE BEST FIT: Choosing Graduate School Programs</th>
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<tr>
<td>When: Friday, October 17, 2:10 – 3:00 pm</td>
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<tr>
<td>Where: 114 South Hall</td>
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<td>Learn how to research and rate potential graduate schools as you consider school profiles, tracks and concentrations, faculty interests, research opportunities, and more.</td>
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<tr>
<th>A FUTURE IN TEACHING? How to Apply to Programs in Education</th>
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<tr>
<td>When: Monday, October 20, 4:10 – 5:00 pm</td>
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<tr>
<td>Where: 114 South Hall</td>
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<td>Find out how to prepare for and apply to graduate programs in education including teaching credential, Master’s, PhD, and joint Master’s/credential programs. Learn about getting letters of recommendation, writing the statement of purpose, and taking the CBEST and CSET exams.</td>
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<tr>
<th>HOW TO WRITE THE STATEMENT OF PURPOSE FOR GRADUATE SCHOOL</th>
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<tr>
<td>When: Friday, October 24, 5:10 – 6:00 pm</td>
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<td>Where: 114 South Hall</td>
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<td>Learn how to write a clear and compelling statement of purpose; get tips on organizing your essay, presenting yourself as a good fit for the program, and turning weaknesses into strengths.</td>
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<th>GRADUATE SCHOOL INFORMATION DAY</th>
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<tr>
<td>When: Monday, October 27, 10:00 am – 2:00 pm</td>
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<td>Where: ARC Pavilion</td>
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<td>Meet with recruiters from the UC campuses and other universities throughout the country and collect information from various Graduate, Business and Health Professions schools/programs.</td>
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Drop-in advising hours for Fall Quarter are Mondays and Wednesdays, 2-5 pm, and Fridays, 2:30-4:30 pm in 111 South Hall. Also, a number of resources are available on the website: [http://success.ucdavis.edu/grad-prof/pregrad/index.html](http://success.ucdavis.edu/grad-prof/pregrad/index.html)
ETX 190/290 Fall Seminar 2014

Current Hot Topics in Environmental Toxicology

Fridays, 11:00 - 11:50 a.m., 1131 Meyer Hall
1 Unit, Pass/No Pass
Undergraduate: ETX 190-10 [CRN 43589]
Graduate: ETX 290-10 [CRN 43762]

What chemicals are we finding in our air, food, and water? What makes coffee good for you, yet so bad for you? How do agricultural pests send out dinner invitations? Find out the answers by attending the ETX 190/290 seminar!

Faculty, adjuncts, and guest lecturers will be sharing their research and work on current hot topics in environmental toxicology. This seminar is a great introduction to the diverse emerging subjects of environmental toxicology.

Note to ETX Undergraduate Students: ETX 190 can count as a restricted elective unit.

Seminar Coordinated by Professor James Seiber
Internship: Aquatic Ecotoxicology

What we offer:

We are offering an internship for two students for the fall quarter to help with our aquatic ecotoxicological studies in our lab as well as at our field site. Academic credit will be awarded based on completed hours (30 hours equal one unit). Our lab is located in VM3B (VetMed Campus), our field site is about 3 miles west of campus (carpool will be provided).

What it is about:

We are conducting several laboratory studies to determine the effects of pesticides on various aquatic invertebrates. Standard toxicity test methods will be applied as well as new tools to assess sublethal endpoints. In addition, we will monitor effects on nutrients, phytoplankton and chemical properties. We will also conduct a small field study where extra help is needed once a week. You can choose whether you want to focus your internship on lab or field work.

What we need from you:

Interns are needed to assist with conducting toxicity tests, to maintain invertebrate cultures (water renewal, feeding), perform data analysis, and assist with field work. No experience is necessary, and all training will be provided. An interest in pharmacology, aquatic toxicology or aquatic ecology is beneficial. Working hours will be arranged according to your schedule, but a minimum of 8 hours per week is required.

What you will learn:

- How to prepare, conduct, and analyze a toxicity test
- Common toxicity testing and sampling methods in aquatic ecotoxicology for both the lab and the field
- Identification and handling of aquatic invertebrate species
- Common laboratory practices such as maintaining invertebrate cultures, preparing food and culture waters, measuring water quality, and record daily health status
- Water quality monitoring including pesticide analysis
- Accurate recording of data, data entry and data analysis

If you are interested in the research described above, please send a resume and a short letter explaining why you feel that you are qualified for the position to Simone Hasenbein at shasenbein@ucdavis.edu (Lawler/Connon laboratories).
The NSF GRFP recognizes and supports outstanding graduate students in the relevant science (including social sciences), technology, engineering, and mathematics (STEM) disciplines* pursuing research-based master’s and doctoral degrees, including women in engineering and computer and information science. *UC Davis currently has 144 NSF GRFP fellows, ranking as one of the top institutions nationwide in this Program. The program goals are

1) to select, recognize, and financially support individuals early in their careers with the demonstrated potential to be high achieving scientists and engineers

2) to broaden participation in science and engineering of underrepresented groups, including women, minorities, persons with disabilities, and veterans.

GRFP is a critical program in NSF's overall strategy to develop the globally-engaged workforce necessary to ensure the Nation's leadership in advancing science and engineering research and innovation. The ranks of NSF Fellows include numerous individuals who have made transformative breakthrough discoveries in science and engineering, become leaders in their chosen careers, and been honored as Nobel laureates.

Amount: $32-34,000 ($34K is the anticipated increase) in stipend and $12,000 cost of education (COE) annually for three years (may be used over a five year period). Fellows may also be eligible for additional opportunities such as the international travel NSF GRFP GROW program and the Graduate Research Internship Program (GRIP). Fellows are also provided enhanced access to cyberinfrastructure resources, including supercomputing time, through the Extreme Science and Engineering Discovery Environment (XSEDE), see Institutional Commitment: The UCD Office of Graduate Studies will award GRFP fellows the balance of instate fees not paid by the COE (providing no other awards or fee remissions from academic appointments exist).

Eligibility: applicants must not have completed more than 12 months of full-time graduate study or the equivalent (senior undergraduates, 1st and 2nd year graduate students are generally eligible). In addition, applicants must have U.S. citizenship, permanent resident or U.S. national status at the time of application. Applicant must be accepted and enrolled in a US university graduate program at the time of the award.


Application: Applicants must submit the following information through the FastLane GRFP Application Module: Personal Information; Education and Other Experience; Field(s) of Study; Graduate School Information; Personal, Relevant Background and Future Goals Statement (3 pages);
Graduate Research Plan Statement; Eligibility Statement if applicable; Transcripts; and the names and email addresses of Reference Letter writers. Applicants should not send extraneous information or materials.

For more information and application see URL: http://www.nsfgrfp.org/. The Solicitation is at http://www.nsf.gov/publications/pub_summ.jsp?WT.z_pims_id=6201&ods_key=nsf14590. Applicants may register to apply directly through the NSF FastLane application portal at https://www.fastlane.nsf.gov/grfp/Login.do (institutional submission or approval is not needed).

Application Deadlines
(Applications Must Be Submitted by 8:00 pm Eastern Standard Time)
October 30, 2014 (Thursday): Chemistry

November 3, 2014 (Monday): STEM Education and Learning

November 4, 2014 (Tuesday): Life Science

**Application procedure, forms, listing of external fellowships and funding resources:
http://gradstudies.ucdavis.edu/current-students/financial-support/external-fellowships
External Fellowship Matching Commitments for External Fellowships Policy & Procedure:
Prestigious Scholarships in Science, Technology, Engineering and Mathematics (STEM)

Prestigious scholarships are highly competitive awards recognized nationally and internationally. This presentation focuses on Churchill, Goldwater, National Institutes of Health (NIH), National Oceanic and Atmospheric Administration (NOAA) Hollings, Science, Mathematics & Research for Transformation (SMART), and Udall programs. Learn how we can support you in the application process.

THURSDAY

October 9

12:30–1:30 p.m.
or 5:30–6:30 p.m.
two sessions available

1022 Life Sciences Building
Registration not required

scholarships.ucdavis.edu
scholarships@ucdavis.edu
530-752-2804
2128 Dutton Hall
Churchill Scholarship
This is a one-year scholarship to conduct graduate STEM research at Churchill College, University of Cambridge, United Kingdom.

Barry M. Goldwater Scholarship
These undergraduate scholarships recognize outstanding students who plan to pursue research careers in mathematics, natural sciences or engineering.

National Institutes of Health (NIH) Undergraduate Scholarship
This scholarship is awarded to undergraduates from disadvantaged backgrounds who are committed to careers in biomedical, behavioral and social science health-related research.

National Oceanic and Atmospheric Administration (NOAA), Earnest F. Hollings Program
This two-year scholarship and paid internship is for undergraduates pursuing research careers related to NOAA interests.

Science, Mathematics & Research for Transformation (SMART) Scholarship
This is a one-year undergraduate scholarship to pursue a degree in science, technology, engineering or mathematics.

Udall Scholarship
The Udall Scholarship is available to students in their second and third year who have a demonstrated commitment to careers in environment, tribal public policy or Native health care.