Congratulations December Graduates!

Undergraduate Commencement December 21, 4:30p.m. in Moby Arena

Visit [http://www.natsci.colostate.edu/commencement/](http://www.natsci.colostate.edu/commencement/) for more information on check-in and line up, regalia, clear bag policy, seating and tickets, diploma covers, photography, ceremony and other university policies.

Graduates, please also complete the first-destination survey if you haven’t done this already!
The survey can be found at [https://colostate.joinhandshake.com/first_destination_surveys/2774](https://colostate.joinhandshake.com/first_destination_surveys/2774)

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We are looking for students who would like to contribute to this newsletter!

You could interview a faculty member, or a fellow student doing something cool with science, and write a submission to be published here!

Email Abbie.Reade@colostate.edu if you are interested & let us know your ideas!

This is YOUR undergraduate newsletter and we want you to be involved!
### SPRING 2020 REGISTRATION

Here are some common registration error messages and what they mean:

If you run into an error be sure to read it! You can often solve registration errors on your own without having to email an ASC and wait for a response.

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<tr>
<td><strong>Class level</strong></td>
<td>Only students in a certain class level (fr so or jr sr) can register for a given course.</td>
<td>Few (if any) Biology courses have this restriction but other departments' courses (e.g., Composition, Psychology) may have it.</td>
<td>If you NEED the course, contact the home department (e.g., CO, PSY) for access.</td>
</tr>
<tr>
<td><strong>Multiple Components Required</strong></td>
<td>In addition to the lecture, you must register for another component (lab or recitation) <strong>at the same time</strong> that you choose the lecture.</td>
<td>Many biology, chemistry, and physics courses are commonly associated with this error.</td>
<td>Check boxes for each component PRIOR to hitting &quot;register.&quot; Click the CRN for the lecture to see specifically which sections of lab/recitation must be selected.</td>
</tr>
<tr>
<td><strong>Major Restriction</strong></td>
<td>You do not have the right major for a class.</td>
<td>Some classes are restricted just to students in that major (e.g., Business, Art); these may allow non-majors to register after a certain date.</td>
<td>Click on the course title for details about major restriction—if the class opens to non-majors at a certain date, it will tell you that date.</td>
</tr>
<tr>
<td><strong>Prerequisite</strong></td>
<td>You do not have at least one prerequisite for the class.</td>
<td>BZ311 is an example (though most biology courses have prerequisites). It requires BZ310 as a prerequisite.</td>
<td>You need to take the prerequisite course(s) prior to registering for this class. If you think this is an error, contact your advisor.</td>
</tr>
<tr>
<td><strong>Dept. or Instructor approval</strong></td>
<td>Registration for a certain class is limited and only approved on a case-by-case basis.</td>
<td>An example is BZ492G, which requires department approval to enroll.</td>
<td>If you seek access to a class requiring dept./instructor approval, contact the instructor listed or the department.</td>
</tr>
<tr>
<td><strong>Stop enrollment</strong></td>
<td>A department has stopped enrollment so that no one can register for the class until a problem is resolved.</td>
<td>Hard to say—stop enrollments can happen in any department due to unforeseen changes.</td>
<td>Try registering for a different section of the same class, or contact the department to find out more information.</td>
</tr>
</tbody>
</table>

### ARE YOU ON ACADEMIC PROBATION?

Schedule your appointment here: [http://www.biology.colostate.edu/undergraduates/advising/](http://www.biology.colostate.edu/undergraduates/advising/)

- All Biology/Zoology majors on academic probation (cumulative GPA below 2.0) must meet with an ASC before you can register for classes.
- 1st Term of Probation: Watch the short video and complete the self-assessment in the Probation Module on Canvas, then meet with an ASC for your advising code!
- 2nd Term of Probation: Meet with an ASC to talk about your status, academic dismissal policies and appeals, and get your advising code!
CS 150: Culture and Coding

Prerequisite: None. This course can be used for AUCC 3B, arts & humanities.
Survey of computer science, formal logic, and computational thinking. Explores the historical, gender, and cultural perspectives on the role of technology in society. Includes learning a basic programming language. Students will be expected to write small programs, and construct written arguments on ways in which technology influences our modern culture.
Previous computer science experience not necessary.

Additional information: this is an excellent course for students to get a quick introduction to computer science, and more importantly, computational thinking in how someone can creatively break down a problem into smaller parts, solve the parts, and creatively put it back together. Students are challenged to think about technology, and our relationship with technology throughout the course. The culture topics center around history of technology, inclusive design, internet, and data security/privacy. While going over the cultural topics, students will write code to analyze data related to the topics (example, salary inequity). It is also one pathway into the CS minor, for students who want to pair coding with their main degree.

CS 152: Introduction to Programming - Python

This is strictly a programming class taught over 8 weeks (2 credits). They cover up to file I/O in Python, and meet twice a week for lecture and twice a week for lab. Since it is 8 weeks, it is fairly fast paced, and ideal for students who are STEM majors with a decent algorithmic background.

CS 163: Java-No Prior Programming

This is a very fast paced class focusing on teaching the fundamentals of programming in Java up to inheritance.

CS 164: Java-Prior Programming

Students who take CS 150 or CS 152 and want to continue with their programming skills are encouraged to take CS 164.

The skills you will gain from these classes are increasingly important for the field of biology.
Consider a computer science minor!
Research Experience for Undergrads (REUs)!

What is an REU?

An REU Site consists of a group of ten or so undergraduates who work in the research programs of the host institution. Students are associated with a specific research project, where they work closely with faculty and other researchers. Students are granted stipends and, in many cases, assistance with housing and travel.

Where can I search for REUs?

By using the web page, [https://www.nsf.gov/crssprgm/reu/reu_search.jsp](https://www.nsf.gov/crssprgm/reu/reu_search.jsp), you may examine opportunities in the subject areas supported by various National Science Foundation units. Also, you may search by keywords to identify sites in particular research areas or with certain features, such as a particular location.

When can I apply for REUs?

NOW! Most applications for summer 2020 open December 1 and close by late January/early February.
UNDERGRADUATE INTERNSHIP OPPORTUNITY

HELP THE ENVIRONMENT AND YOUR CAREER.

Become a conservation leader.

U.S. Fish and Wildlife Service
DIRECTORATE FELLOWS PROGRAM

gain experience
12 weeks / paid / locations across the U.S.
1-week Orientation / hands-on experience

contribute to conservation
critical projects / conserve natural resources
address challenges / bring new perspectives

find your path
demonstrate your skills / independent work
leadership / potential employment

APPLICATIONS OPENING SOON.

Check our Facebook page for announcements:
https://www.facebook.com/usfwsdfp/
SUMMER UNDERGRADUATE RESEARCH FELLOWSHIPS (SURF)

in  
- Biological Chemistry 
- Biomedical Engineering 
- Biophysics 
- Cancer 
- Cell Regulation 
- Chemistry 
- Computational Biology 
- Developmental Biology 
- Genetics 
- Immunology 
- Integrative Biology 
- Kidney Development and Disease 
- Mechanisms of Disease 
- Microbiology 
- Molecular Biology 
- Neuroscience 
- Pharmacology 
- Stem Cell Biology 
- Systems Biology

SURF is one of five research intensive programs offered at UT Southwestern. Complete details can be found at www.utsouthwestern.edu/SURF. This website also provides links to: SURF-Stem Cell, Quantitative and Physical Science (QP)-SURF, QP-SURF-Chemistry, and the Summer Undergraduate Research Institute for the Study of Kidney Disease (SURISKD).

OBJECTIVE
To provide an intensive research training experience that leads to an understanding of the planning, discipline, and teamwork involved in the pursuit of basic answers to current questions in the biological sciences. Fellows will pursue individual research projects under the direction of a member of the graduate school faculty. Lectures and seminars by faculty members will supplement the research experience.

ELIGIBILITY
Applicants must be enrolled in a science degree program at the undergraduate level and have completed the sophomore year. Criteria used in selecting fellowship recipients includes grades, relevant experience, and letters of recommendation from faculty who can assess the applicant's potential for success in biological research.

SALARY AND TENURE
Each fellowship award carries with it $4,000 in support for the 10-week period beginning June 1, 2020 through August 7, 2020. This support is taxable. If a fellow requires housing, the costs will be covered by the program; however, fellows are responsible for paying for their own travel expenses and will not be reimbursed by the SURF Program.

HOW TO APPLY
The SURF application is available on-line at www.utsouthwestern.edu/SURF. Completed applications (including letters of reference) should be submitted by February 3, 2020.

FOR ADDITIONAL INFORMATION
Contact the SURF Administrator at Southwestern Graduate School, The University of Texas Southwestern Medical Center, 5323 Harry Hines Blvd., Dallas, TX 75390-9004, (214) 648-0747, Kim.h.spain@utsouthwestern.edu

(An equal opportunity institution)
The CSU Scholarship Application (CSUSA)  

Opened October 1st!  

Access and submit the application through ramweb.colostate.edu

Completing the CSUSA will enter you into the applicant pool for all scholarships that you are eligible for through CSU.

NOTE: Some scholarships require supplemental information, be sure to submit all of the recommended documents for full consideration.

The 2020–2021 FAFSA form is now available!

Fill out the Free Application for Federal Student Aid (FAFSA) to apply for financial aid, including:

- Federal grants
- Federal student loans
- State loans
- State grants & scholarships
- Grants & scholarships from other organizations

If you don’t fill out the FAFSA form you could be missing out on valuable financial aid. EVERYONE in college should fill out the FAFSA!