

UDRAW Spring 2026 Position Descriptions

Additional Positions Forthcoming

[Animal and Food Sciences](#)

Name of Position: Undergraduate assistant with cow experiment

Position Description: The student will help with a study that will examine the effects of different feed treatments on the efficiency of milk production by dairy cows. The student will mainly assist with feeding cows in the mornings from about 8 am until about 10 am. The student will also be invited to join lab meetings and assist with other work going on in the lab.

Time Commitment: flexible (at least 2, up to 10)

How to Apply: Contact Tanya Gressley at gressley@udel.edu

[Art Conservation](#)

Name of Position: Transcriber of 16 c. Documents

Job Description: Professor looking for a student who can read “old” Spanish (e.g., Gothic font) and transcribe it to modern Spanish. If you are interested in 16th and 17th century manuscripts, this is the job for you. The work involves reading and transcribing the content of manuscripts. We currently have photos, but we can arrange for in-person reading.

Preferred Qualification: You must be able to read “old” Spanish but you can be aided by photo-to-text recognition. Let's chat!

Time Commitment: 2h/week but negotiable. Time commitment can be negotiated and is flexible.

Contact: Please send me an email: joceag@udel.edu

[Art and Design](#)

Name of Position: Assistant for Ravens Press

Position Description: Raven Press is an experimental letterpress printing facility located on the second floor of the Studio Arts building near the Old College (North) campus of the University of Delaware.

Art & Design Department professor Katie Leech maintains the press and advocates for the importance of typography and physical processes in student education.

This project will allow all students to explore an experiment with typography using a hands-on printing process.

While exploring you will also help create an inventory and clean and organize the thousands of letters we have collected for the past 20 so years.

There has been interest in having a better understanding of what the letterpress is, historically, and how it works to create content for the masses. Students in English, art, and design have enjoyed the opportunity to work with moving type to create images and printed work like poetry booklets, zines, and small publications.

Time Commitment: Hours/Week: 5-10

You must be available on Monday or Wednesday.

Required skills: 1. Be in good academic standing (GPA of 3.0 or higher)

2. Be interested in student learning

3. Be organized

4. Have good time management skills

5. Have good communication skills

6. Be attentive to detail

7. Be able to commit to at least 5 hours of work per week (limit of up to 10 hours)

8. Be interested in learning about typography & printmaking (non-artists are welcome)

To Apply: If interested, please contact Katie Leech by email, katiefai@udel.com

Subject Line: Raven Press Research Assistant

The following information:

1. Name

2. Weekly Hours of Availability for the Spring 2026 Semester

3. Cell phone number

4. Preferred email address

5. A short statement about your interest in working at Raven Press.

6. Resume or CV (optional)

[Biomolecular Engineering](#)

Name of Position: Microphysiologic system fabrication

Position Description: We are seeking a motivated undergraduate student to work in our interdisciplinary biomedical engineering research lab focused on developing

microphysiological systems (MPS) and organ-on-chip platforms that model human tissues. The student will assist with fabrication and assembly of microfluidic devices used to study barrier tissues such as the cervix, placenta, and lymph node.

Responsibilities may include:

- Fabrication and assembly of acrylic and silicone based microfluidic devices
- Laser cutting, bonding, and basic bench fabrication tasks
- Device cleaning, sterilization, and quality control
- Maintaining organized lab materials and documentation

This position is ideal for students interested in biomedical engineering, bioengineering, materials science, chemistry, or related fields who want hands-on experience.

Preferred Qualifications:

- Enrollment in an undergraduate STEM program (e.g., BME, ChemE, MechE, Biology, Materials Science, Chemistry)
- Strong attention to detail and reliability
- Comfort working with hands-on fabrication and lab tools
- Willingness to learn new techniques and follow protocols carefully

Time Commitment: 6-10 hrs/week

To apply: Please email a brief statement of interest (1 paragraph) and a resume/CV to the contact below. Include your major, year, and availability.

Contact: Katie Nelson - kmmnelson@udel.edu

[Communication](#)

Name of Position: Undergraduate Research Assistant

Position Description: Our research lab is looking for capable and engaged students to help us run participants in research studies, to code media content, to help maintain lab equipment, and/or to help with gathering literature and write research papers. We have many studies ongoing in the lab, on topics including video game decision-making, social media exposure, parasocial relationships with television characters, and many more. Students can choose which studies they prefer to work on based on their interests and schedules.

Preferred Qualifications: Punctuality, precision, organization, ability to clearly give directions in a regimented but warm and social way

Time Commitment: minimum of 2 hours, maximum of 10 hours per week

How to Apply: Email Dr. Ellithorpe at mellitho@udel.edu

[Computer and Information Sciences](#)

Name of Position Undergraduate Research Software & Infrastructure Engineer (RSE)

Position Description: The [Sensify Lab](#) is an interdisciplinary research group focused on human-centered computing, AI, and interactive systems, combining software systems, sensing technologies, and physical prototyping. We are seeking a **junior- or senior-level undergraduate** to join the lab as an **Undergraduate Research Software & Infrastructure Engineer (RSE)**.

In this role, you will help build and maintain the technical backbone of the lab, supporting both **research software infrastructure** and our **physical prototyping lab / makerspace**.

You will work on:

- Research infrastructure and DevOps-style workflows (systems setup, deployment, tooling)
- Software engineering tasks supporting active research projects
- Lab IT and experimental environments for human-subjects research
- Supporting and maintaining our prototyping lab / makerspace (equipment setup, workflows, documentation)
- Internal tools, scripts, and technical documentation

Preferred Qualifications: We are looking for students who

- Have strong programming fundamentals and enjoy building systems others depend on
- Are interested in software engineering, infrastructure, or DevOps-adjacent work
- Are comfortable learning new tools and troubleshooting real-world technical systems

Experience with Linux, scripting, web services, cloud tools, CI/CD, hardware interfaces, or makerspace tools is a plus, but not required.

This position offers hands-on experience working on production-adjacent research systems, exposure to physical computing and prototyping workflows, and close

collaboration with graduate students and faculty—strong preparation for industry or graduate-level engineering roles.

To apply: Email a resume and a brief statement of interest to **Dr. Matthew Mauriello** (mlm@udel.edu). Applications are reviewed on a rolling basis.

Earth Sciences

Name of Position: Investigation of the Earth's Mantle

Position Description: Student will join the Mantle Processes Group to work on a project using field samples of mantle rocks to study the interior of the Earth. Research projects will explore questions such as: (1) What do sample microstructures indicate about fault-zone deformation? (2) How does sample petrography constrain hydrothermal alteration? (3) What extent of prior melting is indicated by the rock's chemical composition?

Preferred Qualifications: Student needs to have taken GEOL302 (Petrology) so that they have experience with the identification and interpretation of minerals in hand samples and thin section. Student needs prior experience with Excel for organizing and plotting data.

Time Commitment: 3 hours/ week

How to Apply: Email to Prof. Warren with details of research interests, prior work experience, and CV. Email: warrenj@udel.edu

Education

Name of Position: Undergraduate Research Assistant

Position Description: In spring 2026, Dr. Barbieri's various projects on mathematical cognition, motivation, and learning will have a range of both in-person and remote activities for an undergraduate scholar to receive mentoring in, such as coding classroom observation videos for belonging-centered instruction, analyzing students' problem-solving skills and explanations, reading and coding/note-taking literature, creating databases, critiquing literature during lab meetings, preparing conference submissions, and potentially collecting data in classrooms. The majority of work assigned is completed asynchronously at a schedule that students design, with the

exception of lab and project meetings. Preference given to those who are interested in staying on for Fall 2026.

Preferred Qualifications: Required Skills: Be in good academic standing (GPA of 3.0 or higher) · interested in student thinking and learning · Diligent, organized and attentive to detail · Have good time-management skills · Have a stable Wifi connection and access to a laptop · Be able to commit to at least 6 hours a week (up to 10) of work (excluding finals week).

Recommended (but not required): Education, Psychology, or other Social Sciences majors preferred. · Have experience using Excel. · Have experience using R, SPSS or another statistics software. · Some experience tutoring mathematics (at any grade level) · Comfortable thinking and talking about mathematics (at various grade levels) · Interest in attending graduate school · Availability to stay on for fall 2026 if interested and in good standing.

Time Commitment: 6-10 hours/week depending on financial aid award

How to Apply: Email Dr. Barbieri at barbieri@udel.edu explaining your interest and attach your resume.

[Electrochemical Engineering](#)

Name of Position: Electrochemical Engineering Research

Position Description: • Prepare and organize lab equipment and materials for experiments.

- Assist with data collection from test rigs (e.g., polarization curves, basic measurements).
- Help maintain safe and tidy laboratory spaces.
- Support outreach and education activities including setup of portable hardware for classroom demonstrations.
- Perform basic data entry and recordkeeping for research logs.
- Conduct literature reviews, as needed.

Preferred Qualifications: Chemical / Mechanical / Materials Science / Chemistry Undergraduate Student

Time Commitment: Up to 10 hours / week

How to Apply: Contact Anil Singh Bika – bika@udel.edu

[Fashion and Apparel Studies](#)

Name of Position: Wearable Innovation Lab Work Study

Position Description: The Wearable Innovation Lab in the Fashion and Apparel Studies Department (310 ALS) is looking for an undergraduate student interested in helping with current knitwear research projects using Shima Seiki technology. Under the supervision of Dr. Adriana Gorea, the student will learn the basics of programming and knitting fabric samples along with cataloging and conducting basic textile testing. Responsibilities will include managing the yarns and fabric design databases.

Time Commitment: 10 hours/week

How to Apply: Email Dr. Adriana Gorea your resume – agorea@udel.edu

[Physics and Astronomy](#)

Name of Position: Analyzing Radio Data of Cosmic Rays

Position Description: You will perform computational analysis of radio measurements of cosmic rays. The data are collected at the Pierre Auger Observatory in Argentina and the IceCube Neutrino Observatory at the South Pole and analyzed at UD.

Preferred Qualifications: Knowledge of Python or C++; majoring in physics or astronomy or having substantial physics background and interest if majoring in another discipline.

Time Commitment: 8-10 hours, with some flexibility

How to Apply: By email: send short CV, including physics and computational expertise, as PDF attachment to Frank Schroeder at fgs@udel.edu

[School of Marine Science](#)

Name of Position: Research technician

Position Description: We are seeking an undergraduate student to work on projects using stable isotope analysis to investigate a variety of marine ecological questions as well as help care for captive animals.

Time Commitment: 10 hours/week

How to Apply: Email Aaron Carlisle at carlisle@udel.edu