

## Searle Biodiesel Lab

### Paid Internship

**Summary:** The School of Environmental Sustainability's Biodiesel Program is seeking qualified student interns to operate the Biodiesel Program in the Searle Biodiesel Lab. The Biodiesel Program was founded as and continues to be a student-designed, student-driven program. All aspects of the program from biodiesel fuel production and equipment design, to project management and brainstorming are run in part by Loyola students. This opportunity is open to students of every level and from every discipline.

Interns work in a team capacity with other interns to run the day-to day operations of the lab (biodiesel production, oil collection, waste processing), and additionally take a leadership role on projects in the lab (new product development, education outreach, marketing, energy efficiency). Interns will have an opportunity to work in a number of different topic areas: chemistry, product design, business operations, marketing, and research.

#### Internships Periods:

- Summer/Fall
  - July 8, 2024 – December 6, 2024
  - Follows academic calendar during the school year
  - Pre-Semester Break (no work): Week of 8/19-8/23
  - Apply by April 7, 2024 by 11:59 PM
- Academic Year
  - September 3, 2024 – April 25, 2025
  - Follows academic calendar
  - Apply by August 18, 2024 by 11:59 PM
- Spring
  - January 13, 2024 – April 25, 2025
  - OPTIONAL: December 2, 2024 – December 6, 2024
    - Opportunity to get a head start on training. Not required.
  - Follows academic calendar
  - Apply by October 27, 2024 by 11:59 PM

#### Hours:

- 10-12 hours/week
- M-F 9-5, scheduling is flexible around class schedules

**Compensation:** \$15.80/hour (or more subject to City of Chicago minimum wage) – Federal Work Study (FWS) Preferred

**ENVS 395 Internship Course:** Student interns have the option (but are not required) to enroll in ENVS 395: Environmental Internship (or ENVS 395c for capstone credit). Internship hours count toward this 3-hour course with additional requirements research, reflection, and writing requirements.

Summer/Fall interns enroll in the Fall section of ENVS 395, and Academic Year and Spring interns enroll in the Spring section of ENVS 395. Interns must be admitted into the program prior to enrolling in the internship course.

**Learning Goals:**

1. After this internship, students will be able to demonstrate, communicate, and think critically about production methods in the lab.
2. After this internship, students will be able to identify, evaluate, and apply principals of zero waste models.
3. After this internship, students will be able to frame valuable questions and set off on a path to answer those questions by applying the scientific method.

**Duties and Responsibilities**

- Biodiesel Production
- Soap Production
- Chemical Analysis of Biodiesel and Soap
- Lab Maintenance
- Opportunity to develop your own projects

**Qualifications and Eligibility**

- Full time LUC student (undergraduate or graduate) enrolled in Fall 2024 semester.
- Federal Work Study is preferred, but is not required.
- Motivated individual willing to learn a wide variety of new procedures, equipment operation, and standardized protocols.
- Ability to work efficiently in both individual and team settings.
- Attention to detail and safety as we will be working with large volumes of chemicals and heavy equipment.
- Must be able to lift 30 lbs, comfortable climbing ladders, and willing to do messy work.
- Available to work for the entire employment period, except for mutually agreed upon breaks.

**Application Deadline**

- Summer/Fall: Sunday April 7, 2024 by 11:59 PM
- Academic Year: Sunday August 18, 2023 by 11:59 PM
- Spring: Sunday October 27, 2023 by 11:59 PM

**To Apply:** Complete the [ONLINE APPLICATION](#), including uploading your resume and transcript.

Questions? Contact:

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