

# FRESNO STATE

## Lyles College of Engineering

### Funded Research Opportunities for Students – Spring 2024

**Application Submission Date – February 11, 2024**

Lyles College students pursuing degrees in Civil Engineering, Construction Management, Computer Engineering, Electrical Engineering, Geomatics Engineering and Mechanical are invited to apply for funds to work on research projects under the supervision of Lyles College faculty.

This is a great opportunity for students to learn new topics, conduct experiments, improve writing skills, and strengthen their resumes. Students can select their own topics or work with Lyles College faculty to select topics. The program is funded by a grant from Edison International.

#### Eligible Students

- Upper Division LCOE students are eligible to apply. Sophomore level Honors students may also be considered if they have the appropriate background and have research mentors.
- LCOE Graduate students.

Applicants shall be in good academic standing and making steady progress towards their degrees. Applicants shall have a GPA of at least 2.7 in all prior LCOE courses; Graduate applicants shall have a GPA of at least 3.0. First-semester graduate students are eligible to apply if they have the requisite background to conduct the proposed research and mentors who are willing to take them on.

Selected students will typically work independently on research projects (**not including regular lecture/lab class projects, senior capstone or MS thesis/projects**) under the supervision of LCOE faculty mentors for 10-12 weeks and **shall be enrolled in classes during Spring 2024 semester and Fall 2024 semester.**

Applicants shall consult with potential research faculty mentors and submit proposals describing the work that they expect to complete. The proposal should be **submitted as one single PDF file**<sup>1</sup>and include:

1. Research Project Cover Sheet (see attached).
2. Research Project Title, and Name of Faculty Mentor.
3. Summary and Project Description
  - a. Summary: Provide a 100-150 words summary of your proposed work. Consult your research advisor on how such summaries should be written.
  - b. Research Project Description and Deliverables along with a Project Schedule (at least two and no more than four pages of single-space text, graphics, tables, references).  
**The research goal(s), proposed methods, and projected outcome(s) should be described clearly.**

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<sup>1</sup> Consult LCOE Pathways Director Hernan Maldonado if help is needed for conversion to PDF

4. A listing of related course(s) taken or related project experience.
5. Unofficial Transcript (print via your myfresnostate.edu portal).

**Stipends: \$1500-2500** per student. Final awards will depend on number of qualified applications and is expected to be least **\$1500** each for undergraduate and **\$2000** for graduate students. There is no additional funding for research supplies via this program. The Financial Aid office will process the stipend payments. The award may affect student financial aid in some cases. Awarded students should consult their Financial Aid advisor. The Financial Aid Office will process the award payment during **March and May 2024**. The March payment implies that the student has been making satisfactory progress. It is anticipated that 15-20 students will be supported. Should there be more qualified proposals than the available funding can support, preference will be given to first time applicants or to applicants who did not receive similar funding from the college in prior years.

**Other:**

1. Students can choose to work with any Lyles College faculty member.
2. Recipients are required to be available to meet with representatives of Edison International as needed. Recipients are required to participate in meetings when called.
3. All recipients will be required to submit a detailed research report due by 31 August 2024, and also present their research at the Spring 2024 LCOE Projects Day event and any other LCOE event.
4. Recipients and their research may be highlighted on LCOE websites and social media platforms; Recipients may be invited and must agree to participate in panel sessions to talk about their research.
5. Two interim project reports are due, the first report by **March 18, 2024** and the second by **May 1, 2024**. 40% of the research award will be processed for posting to the student accounts during the week of **March 18<sup>th</sup>, 2024** and 60% during the week of **May 6<sup>th</sup>, 2024**. The reports should summarize the work in progress and approved by the advisors. Interim Reports should be mailed to [LNGONG@mail.fresnosate.edu](mailto:LNGONG@mail.fresnosate.edu)
6. Final report: The final report should be written in a style and format appropriate to the student's major. Students should consult their advisors for samples.
7. Failure to submit interim and final reports by the require deadlines could impact future awards.

**Timeline**

**Deadline for Proposal Submission: February 11, 2024**

Submit a **single PDF file** by email to: [LNGONG@mail.fresnostate.edu](mailto:LNGONG@mail.fresnostate.edu)

**Award Notification is planned for the week of February 19th, 2024**

**Final Report Due: August 31, 2024** (submit via email to [LNGONG@mail.fresnostate.edu](mailto:LNGONG@mail.fresnostate.edu))



Lyles College of Engineering

Research Proposal Cover Sheet

Spring 2024

Student Name: \_\_\_\_\_ Student Id: \_\_\_\_\_

Email Address: \_\_\_\_\_ Phone Number \_\_\_\_\_

Major \_\_\_\_\_ Undergraduate \_\_\_\_\_ Graduate \_\_\_\_\_ Honors \_\_\_\_\_

Major Courses GPA: \_\_\_\_\_

Research Advisor Name: \_\_\_\_\_

Previously received LCOE funding for research? \_\_\_\_ Yes \_\_\_\_ No

If Yes, please state semester and year: \_\_\_\_\_

If yes, please include final report.

Checklist:

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- Research Project Cover Sheet (this page).
- Research Project Title, and Name of Faculty Mentor.
- Research Project Description and Deliverables along with a Project Schedule (3-4 pages)
- A listing of related course(s) taken or related project experience.
- Unofficial Transcript (print via your myfresnostate.edu portal).

**Student:** If awarded, I agree to invest the time (approximately 6-10 hours per week) to work on the proposed research and shall comply with all the stated requirements. I also consent to being photographed in a laboratory setting and that the photos can be used to showcase my work on LCOE and funding sponsor websites and social media platforms.

\_\_\_\_\_  
Student Signature

Date: \_\_\_\_\_

**Faculty Mentor:** I have reviewed the proposal and agree to mentor the student.

\_\_\_\_\_  
Faculty Signature

Date: \_\_\_\_\_