# Research Internships in Science and Engineering

# (RISE) Program

# 2017-2018 School Year Internships

Sponsored by the Materials Research Laboratory (MRL)

***The Program:***

The RISE program sponsors research internships on a quarter-by-quarter basis for UCSB undergraduate science and engineering students. Interns choose between two award levels, $500 and $1000 based on the hours committed to research (between 50- 100 hours/quarter). There is an additional award offered for those students who exceed the expectations.

In addition to their research responsibilities, interns give presentations based on their work and also write a final report at the end of the term.

***Internship Awards:***

Up to 10 internship awards will be given each quarter for any area of science or engineering. However, priority in awarding these internships will go toward projects that fall within the research scope of MRL.

*Applicants will need to identify a research sponsor before they apply for these internships.* Dr.Julie Standish can provide assistance and guidance for students. Please contact her to discuss your interests and devise a strategy for finding a research project.

**APPLICATION DEADLINES:**

**Fall Quarter – Monday, Oct 9th, 2017**

**Winter Quarter – Monday, Jan 8th , 2018**

**Spring Quarter -Monday, April 2nd, 2018**

***For students who wish to continue an ongoing RISE internship, you must turn in….***

• **A 1-page project proposal**, i.e. description of future plans for your project.

• **A (brief) statement/email of support** from your faculty advisor or lab mentor.

* **Completed application form** (attached).
* **Unofficial transcripts.**

All of these materials can be emailed to Dr. Standish at rise@mrl.ucsb.edu.

***For students who wish to begin a new internship, you must turn in…***

**1. A completed application form (attached)**

**2**. **A 1-page resume** with a history of all your work and laboratory experience. Please be sure to include any lab or course work that you feel is relevant to your proposed research work.

**3**. **A 1-page project proposal** that you have arranged with your research sponsor. The proposal is a summary of the research project and should include:

• Background information about the research area

• A specific discussion of the activities you will be doing in your research project

**4**. **An unofficial transcript.** This can be sent by email to rise@mrl.ucsb.edu or as a paper copy to Dr. Standish at the MRL.

## Return 1-4 by e-mail to rise@mrl.ucsb.edu

**5**. **A letter of recommendation** from a course instructor/TA or employer (preferably one who is familiar with your scientific skills). This letter can be from the same professor who will be sponsoring your research. Letters can be sent by email to rise@mrl.ucsb.edu

***Questions or concerns****?*

Dr. Julie Standish 893-7808

rise@mrl.ucsb.edu

***More Info on Research***

For more information about the faculty who do research in MRL and other departments please go to the following web sites:

http://www.mrl.ucsb.edu

http://www.materials.ucsb.edu

http://www.cnsi.ucsb.edu

Our faculty also work in the Biological Science, Chenistry and Biochemistry, Chemical Engineering, Computer Engineering, Mechanical Engineering, Geological Science, and Physics Departments

# Research Internships in Science and Engineering

# Academic Year 2017-2018 Student Application Form

# Applying for [ ]  FALL [ ] WINTER [ ]  SPRING

# Name (last, first middle):

**E-mail Address:**

**Please Check One:** **[ ]  US Citizen** **[ ] Permanent Resident**

**(Only US citizens or permanent residents may receive funding through MRL)**

**Current School Year Address:**

**Street:**

**City, State:**

**Zip:****Cell:****Phone (if different):**

**Permanent Address:**

**Street:**

**City, State:**

**Zip:      Phone:**

**Field of Study:****Expected Graduation Date**

**Class:** **[ ] Freshman** **[ ] Sophomore** **[ ] Junior** **[ ] Senior**

**Please list the person/people from whom you have requested a letter of recommendation:**

**Name:****e-mail:**

**Faculty Supervisor:** **e-mail:**

**Lab Mentor:****e-mail:**

**Project Title:**

**Are you a community college transfer student? [ ] Yes [ ] No**

**If yes, community college attended:**

**The following information is optional, but is requested by the National Science Foundation**

**Gender:** **[ ] Female** **[ ] Male**

**Ethnicity:** **[ ]  African-American** **[ ] Asian** **[ ] Caucasian** **[ ] Latino**

**[ ] Native American/Alaskan** **[ ] Pacific Islander**

**[ ] Other, please specify:**

**Do you have any disabilities of special needs? If yes please explain:**

**Will you be the first in your family to graduate from college? [ ] Yes [ ] No**

**Student Name**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Letter of Recommendation for UCSB RISE Program**

*To the Recommender:*

*The student who has asked for your recommendation is applying to an undergraduate research internship program in science and engineering at UC Santa Barbara. You may use the form below, provide a separate letter, or both. Our programs comply with the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap. Please do not refer to any handicap the applicant may have.*

Recommender’s name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Title and Institution:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e-mail address:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ phone :\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Please place check marks to rank this student in the following qualities (leave unchecked if you haven’t had opportunity to evaluate student in a particular area)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Excellent Top 5% | Very GoodTop 20% | GoodTop 40% | FairTop 60% | Below averageBottom 40% |
| Maturity and self-confidence |  |  |  |  |  |
| Work ethic, responsibility |  |  |  |  |  |
| Initiative, motivation |  |  |  |  |  |
| Interest in science / engineering |  |  |  |  |  |
| Intellectual ability  |  |  |  |  |  |
| Problem solving skills |  |  |  |  |  |
| Laboratory skills |  |  |  |  |  |
| Communication skills - written |  |  |  |  |  |
| Communication skills - oral |  |  |  |  |  |
| Ability to work well with others |  |  |  |  |  |

*Please answer the following questions in the space below, or attach a separate letter to address them.*

1. How long have you known this student, and in what capacity?
2. What do you know of this student’s future educational and/or career plans?
3. Please give us your impressions related to this student’s abilities, character, and potential to succeed in a scientific research internship.

Please e-mail your completed letter to us at rise@mrl.ucsb.edu. Please put the student’s last name in the file name of all attachments. Alternatively, you may mail a hard copy to

Dr. Julie Standish, MRL, University of California, Santa Barbara, CA 93106-5121