



National Science Foundation
**2016 Summer Undergraduate Research Fellowships in
 Sensor Science and Engineering**
 Electrical and Computer Engineering Department
 and the Laboratory for Surface Science and Technology
 University of Maine



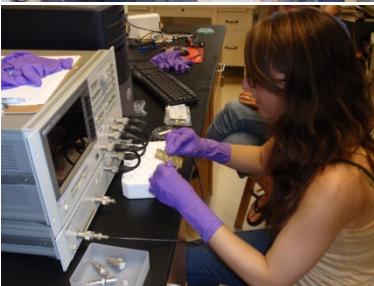
- 10 Week Program: June 6 - August 12, 2016
- Online Application: http://ece.umaine.edu/research/reu_sensors/
- Application Deadline: February 14, 2016

During the Summer of 2016 the Electrical and Computer Engineering Department and the Laboratory for Surface Science and Technology (LASST) at the University of Maine will offer the opportunity for a limited number of highly qualified undergraduate students to participate in research under the guidance of various faculty in the area of sensor science and engineering. This program is sponsored by the National Science Foundation, and awards the participating student a stipend of \$800/week for a period of ten weeks. Students who live on campus will also be eligible for a subsistence award which will help defray expenses for lodging, and meals. **Six undergraduate credits** will be awarded to the student for his/her undergraduate research participation. **Women, minorities and/or handicapped are strongly urged to apply to the program.**



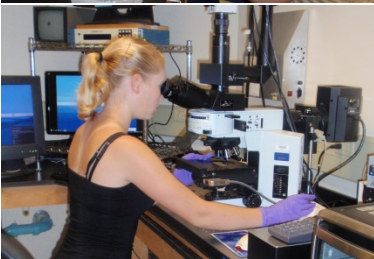
Activities:

Students will be involved in fundamental and applied sensor research in a new engineering science research building where they will work with state-of-the-art research equipment and facilities. They will interact with faculty members, research scientists, and graduate students for guidance and consultation throughout the 10-week period. At the completion of the program, students will write a final report and give an oral seminar.



Possible Research Areas Include:

- Nanoscale materials for sensors
- Piezoelectric sensors
- Micro- & nano-electromechanical systems (MEMS & NEMS) sensors
- Biological and environmental applications
- Biological and chemical Sensors
- Wireless sensor networks
- Big Data: sensor data fusion



Eligibility:

- U.S. citizen or permanent resident
- Current sophomore or junior undergraduates.

Award Includes:

- \$8,000 stipend
- 6 academic credits*

Contact Information:

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*Academic credits are for INT 389 Undergraduate Participation and ECE 465 Introduction to Sensors.