

**AEON Workshop:  
Summer Opportunities in Stem  
01/21/15**

**Internships at the School of Engineering  
Presenter: Sue Buffington**

Importance of Internships

- -60% of employers' fulltime, entry-level college hires came from their internship program
- -after one year on the job, hires who came from the company's internship were retained at rate of 75.7%
- -educational studies show that students participating in practical experiences related to their studies or curriculum are more likely to graduate than those not participating in such activities during their college career
- meaningful work experience in student's major

UNM STEP Program

- the STEP Program at UNM School of Engineering addresses the needs of student diversity and retention and revolves around the theme of student-centered goals

Requirements

- students are required to turn in an application packet, which includes a current copy of their resume, unofficial transcripts, letter of intent, letter of recommendation
- requires continuous supervision by a professional
- at least 8 weeks during the summer

Eligibility

- student must be a US citizen
- student must be admitted to the school of engineering
- student must be enrolled full-time
- student must be a sophomore

New Mexico State-UNM/Private sector internship program

- provide training opportunities for UNM engineering and CS students, while in college, at various private corporations
- train UNM students
- internships are for 3 months during the academic year and the student will be asked to commit 12 to 15 hours a week

Requirements

- application packet
- students are placed in internships based on their interests and company needs
- register for a non-credit co-op

### Pollution Prevention Internship

- NMED Pollution Prevention Program and the UNM School of engineering developed an internship program to identify opportunities

### Requirements

- receive training and guidance from the NM environment department
- students will be mentored by host company
- 8 weeks in the summer

### Eligibility

- student must be a US citizen
- student must be admitted to the school of engineering
- student must be enrolled full-time

### Contact Information

SOE Internship Coordinator

Engineering Student Serves

[sbuff@unm.edu](mailto:sbuff@unm.edu)

5052779151

### **Sandia National Laboratories**

#### Security Mission

- modernize the Nuclear Deterrent
- work to solve global security challenges
- secure America's energy and environmental future
- address national cyber security issue

#### Special programs, Education and Mentoring

##### University-based Education

- tuition assistance programs
- special degree programs
- university part-time program
- special Master's program
- doctoral study program

##### In House Education, training and mentoring programs

- business
- communication
- design and drafting
- energy
- health and wellness
- information technologies
- manufacturing
- marketing

### Work Experience

- take on challenging assignments in state of the art research facilities
- work with internationally recognized scientists and engineers
- receive recognition through service awards, employee recognition awards, R&D 100 awards and more
- take a leave to pursue qualifying research and professions
- receive patent

### Internships

- encourages qualified students to develop interests in critical skills areas related to our mission, with the ultimate objective of developing our pipeline for our future
- available for summer, year round, co-op

### Eligibility

- GPA 3.2 undergrad and 3.5 grad
- U.S. citizen
- full-time enrollment status at an accredited college, university or local high school
- at least 16 years of age

### Special Degree Programs & Fellowship Opportunities

- full tuition
- Critical skills master's fellowship program
- master's fellowship program
- Harry s. Truman program

Apply at [sandia.gov/careers](http://sandia.gov/careers)

### **Kathryn Bellis, TVC**

- exclusive with private sector
- vet talent early for retention
- company pays a stipend
- late juniors and master's candidates
- unite company that needed talent with available candidates
- companies that work with federal government, biomedical, engineering students, STEM, etc
- smaller program but retention numbers are high
- real-world work

## **Antonio Banuelos, PREP**

Pre-baccalaureate Research and Education Program

Biology.unm.edu/prep

Go to UNM Jobs under posting number 827045

University Pipeline Network @ UNM

-application deadline February 20<sup>th</sup>

[UPN-L@unm.edu](mailto:UPN-L@unm.edu)

Career Services

Career Expo February 12<sup>th</sup>, 2015

February 11<sup>th</sup>, 2015 Networking Events

March 24 Etiquette Dinner

## **January 22, 2015**

### **Summer Research Opportunities for Undergraduates**

Why do summer research?

- get free travel out of state
- paid anywhere from 2000 to 5000 for doing research
- free room and board
- gain invaluable research experience under the guidance of professors nationwide
- this experience will make you a better candidate for graduate school and the job market
- network with students and professors nationwide
- open doors for other funding and travel opportunities

What to expect

- do research under the guidance of a professor and graduate students in a lab/field setting—up to 40 hours a week
- program is typically 6-10 weeks long
- students stay in dorms
- attend seminars that prepare students for the graduate school application process—GRE Prep
- attend departmental events
- present your own research at the end of the summer

General Eligibility

- have a cumulative GPA of 3.0 or higher
- be a citizen or a permanent resident of the US

- be enrolled in a degree-granting program at a college/university in the uS
- have completed at least 2 semesters of undergraduate education by the time of the summer experience

mcnair.unm.edu

[mcnair@unm.edu](mailto:mcnair@unm.edu)

(505) 277-5491

(505) 277-3908

### **Kyoko Simmons**

Fullbright Scholarship

Nisf.unm.edu

CAELD.unm.edu

-internships

-many are STEM oriented and are for summer

-deadline usually in February