**UNM & AFRL Mentoring Program – Fall 2016**

**Program Description**

The AFRL & UNM Mentoring Program helps UNM STEM undergraduate students build a supportive relationship with an Air Force Research Laboratory (AFRL) scientist or engineer. Each pair of mentors and mentees meets for 1-3 hours a week throughout a semester. During the semester, the UNM STEM Collaborative sends occasional check-in emails, as well as hosts an introductory mixer, tour of AFRL laboratories, and an end-of-program celebration.

**Air Force Research Laboratory Description**

AFRL's mission is leading the discovery, development, and integration of warfighting technologies for United States’ air, space and cyberspace forces. In the AFRL, civilians and military personnel work together. Two of AFRL’s eight Technology Directorates have headquarters on Kirtland Air Force Base in Albuquerque, NM: Directed Energy Directorate and Space Vehicles Directorate.

The Directed Energy Directorate focuses on four core technical competencies: Lasers Systems, High Power Electromagnetics, Weapons Modeling and Simulation, and Directed Energy and Electro-Optics for Space Superiority. Scientists in this Directorate typically have educational backgrounds in physics, engineering (aeronautical, electrical, computer, mechanical, controls, optical), computer science, mathematics, chemistry, and astrophysics.

The Space Vehicles Directorate’s foci include Space-Based Surveillance (space to space and space to ground), Space Capability Protection (protecting space assets from man-made and natural effects), and other defense-related programs such as space power, space environmental effects, and satellite flight experiments. Scientists in this Directorate typically have educational backgrounds similar to that of the Directed Energy Directorate with more emphasis on chemistry and mechanical engineering.

More info at <http://www.wpafb.af.mil/AFRL/>

**Citizenship**

Students who wish to participate in the AFRL Mentoring Program must be U.S. citizens. Students do not need to produce proof of citizenship for the Mentoring Program. However, proof of citizenship is required if the student wishes to visit AFRL and may limit options for mentor and mentee meetings.

**About Matching**

Matches are based on availability of mentors. We try our best to honor your requests and preferences, but we cannot guarantee a match. Priority for matches will be given to first- and second-year students. Please direct questions to Tara Hackel at [tshackel@unm.edu](mailto:tshackel@unm.edu) or 505-277-0878.

**Submit completed forms to** [**stem@unm.edu**](mailto:stem@unm.edu) **by 7 PM on September 19th, 2016**

**Student Interest Form**

Please complete this form to the best of your abilities to help us match you with a mentor.

Name: Click here to enter text.

Freshman Sophomore Junior Senior Major/Undecided: Click here to enter text.

Gender (optional): Click here to enter text. Race/Ethnicity (optional): Click here to enter text.

Phone Number: Click here to enter text. Email: Click here to enter text.

1. Why are you interested in the AFRL mentoring program (e.g., want to get to know professional/scientist, seeking career guidance)?

Click here to enter text.

2. What are 2-3 things you would like your mentor to know about your academic, professional and personal interests (e.g., careers in alternative energy, computer science classes, earning a PhD, rock climbing)?

Click here to enter text.

3. Please rank your 3 most preferred mentor characteristics. Examples include: woman, Hispanic, interested in Chemistry, likes the outdoors, other (specify).

1) Click here to enter text. 2) Click here to enter text. 3) Click here to enter text.

4. What regular weekday timeslot(s) are you available during the Fall 2016 semester (approximately Sept 23-Dec 9) to meet for 1-3 hours?

Monday: Click here to enter text. Tuesday: Click here to enter text. Wednesday: Click here to enter text.

Thursday: Click here to enter text. Friday: Click here to enter text.

5. Please provide any other information that can help us match you with a mentor.

Click here to enter text.