NOW HIRING: Mathematics Instructors

The Clean Energy ALVA Program and the GenOM ALVA program are seeking (3) **Mathematics Instructors for eight weeks starting June 29, 2015 and ending August 19, 2015.** The purpose of this position is to provide shared leadership in mathematics classroom instruction and curriculum design to prepare incoming UW STEM freshmen and rising high school seniors for advanced university level problem solving skills.

The curriculum focuses on intensive problem solving based mathematics derived from UW math texts, and will help students gain an awareness of the areas that they need to improve in order to be a competitive applicant to the UW College of Engineering and science departments.

**Position Dimension and Impact to the University:**
- This position supports improved math and problem solving skills of pre-college students who will ideally be eligible for various diversity and academic programs within STEM fields.
- This position will directly impact the University of Washington and College of Engineering’s mission to increase diversity, particularly to increase the numbers of underrepresented minority and women students graduating with STEM degrees.
- This position may also contribute to general student supervision during program activities, and/or contribute to additional STEM related workshops outside of the mathematics classroom and course work.

**Duties & Responsibilities:**

*Classroom Instruction and Management – 70%*
- The instructors will lead either a pre-calculus workshop or a calculus workshop
- Facilitate academic workshops for 6-12 students.
- This position will require 1.5 hours of daily instructional activities and 3 hours daily of preparation, evaluation and grading time.

*Student Evaluation and Curriculum Design – 25%*
- The instructor will oversee skills evaluation of Clean Energy and GenOM ALVA students (both incoming freshmen and rising high school seniors). The instructor will also design and structure curriculum and daily lesson plans accordingly.
- The instructor will design testing tools, guidelines, and goals for the observation of student progress; may use existing models and templates.
- The instructor will supervise grading and solicit program staff for observation of student progress.
- Independent time for grading and curriculum design.

*Other – 5%*
- Other duties as assigned.

**Qualifications:**
- B.S. or M.S. in a STEM field.
- Must be proficient in algebra, pre-calculus, calculus and be familiar with the UW problem solving teaching methodologies. Educational background in math is preferred.
- Must have 2 years of previous teaching experience, ideally at the freshman level.
- Experience with and understanding of the challenges faced by underrepresented minority and female students in STEM fields

**Compensation:**
- Hourly wage based upon experience and qualifications
Please send a cover letter and resume to Gregory Diggs at diggsyng@uw.edu by the end of the day on Monday, May 18, 2015.