

NOW HIRING: Mathematics Instructors

The UW GenOM Project is seeking (2) **Mathematics Instructors starting June 20, 2017 and ending August 15, 2017**. 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 UW GenOM Project sponsors two programs for incoming freshmen; GenOM ALVA and ALVA Clean Energy Engineering (incoming freshmen). Both programs are 9-week residential summer internship programs that provide students with academic support, hands-on research experience, and professional development opportunities. The two programs are blended into one residential program, with students participating in different activities (particularly research), depending on the program.

The mathematics 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 STEM students
- This position will directly impact the University of Washington'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 an algebra, pre-calculus or calculus workshop for 6-12 students.
- Coordinate evening study sessions with volunteer tutors.
- 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 (Preferred).
- 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 at least 1 year 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.
- Appointment to this position is contingent upon obtaining satisfactory results from a criminal background check

Compensation:

- Hourly wage based upon experience and qualifications

Please send a cover letter, resume and names of three references to Gregory Diggs at diggsyng@uw.edu by the end of the day on Friday, March 10th, 2017.