



Posting Date: April, 2018

Position: Instructor – Chemistry (Class and Laboratory)

Department: Physical Sciences

**Alverno College** is a private liberal arts college with an internationally acclaimed ability-based program and diverse student body. A Catholic College founded by the School Sisters of Saint Francis, we are dedicated to the undergraduate education of women while serving men and women in our adult and graduate programs. Our low instructor-to-student ratio and collaborative faculty contribute to a positive learning environment. We provide students with real-life, hands-on experiences in the classroom, in study abroad opportunities and in professional internships related to their major. These experiences, among others, have resulted in Alverno College being recognized among the top four Midwest Regional Universities in the 2018 *U.S. News & World Report* “Strong Commitment to Teaching” category for the eighth consecutive year.

The College is seeking applicants for a part-time Instructor of Chemistry for the Department of Physical Sciences.

### **Primary Duties and Responsibilities**

*The following information is not meant to be all-inclusive.  
Other duties and responsibilities may be assigned as necessary.*

Responsible for class and laboratory instruction of a first semester general chemistry course taken by all science and health science majors. This course focuses on analysis and problem solving. The laboratory course is taught by all Physical Sciences faculty and staff and is well developed with shared handouts, an instructor laboratory manual and laboratory set-ups prepared in advance. The course description is as follows:

The student analyzes the structures of organic and biological molecules. She learns to interpret the physical and chemical properties of these molecules, explaining observed properties in relation to a molecule's shape and electronic nature. She also investigates the thermodynamic and kinetic basis of chemical transformation with particular emphasis on enzymes and metabolic pathways. In the laboratory, she examines some of the molecules, properties, and reactions discussed in class. She also conducts two investigations in which a variables are tested, and an independent investigation in which she modifies the design of an experiment to answer a question she raises. Through this investigative process, she develops laboratory writing and research skills.

### **Qualifications**

Requires previous teaching experience.

Successful candidates will have a demonstrated commitment to promoting diversity, inclusion, and multicultural competence in an educational and work environment and must be willing to contribute to the College's strategic plan of inclusion.

### **Education**

A Master's degree or higher in Chemistry or closely related field is required. Candidates currently in a PhD program will be considered if they have a strong interest in teaching, have experience that aligns with the course description, and have at least 18 graduate credits in physics or closely related field.

### **How to Apply**

Apply on-line at [www.alverno.edu/jobs](http://www.alverno.edu/jobs)

**Please attach cover letter and resume to the on-line application.**

*Alverno College is an Equal Opportunity Employer and committed to workplace diversity*