

Macalester College

Student Employment Job Description

Employment Dates: Academic Year

Department: Chemistry	Position Title: Researcher II
Supervisor: Keith Kuwata	Position Classification: Assistant
Telephone: 696-6768	Pay Grade: Tier II
Email: kuwata@macalester.edu	Budget Number: 10-1120

Purpose:

The Macalester College Student Employment Program is designed primarily to provide student employees with a broad range of work opportunities in which each job is necessary to assure the viable operation of the college, to foster student career development through a variety of work experiences, and to provide a work environment that will teach students about the varied responsibilities and opportunities of employment.

Qualifications and/or Special Skills Necessary to Perform the Duties of the Position:

1. Successful completion of the General and Organic Chemistry courses
2. Competence with spreadsheet and presentation software
3. Ability to organize large amounts of information

Job Functions and/or Special Projects:

1. Perform calculations on chemicals and chemical reactions
2. Report results to supervisor and collaborate with him to plan future calculations
3. Present posters and oral presentations on research accomplishments

Skills Acquired or Developed on the Job:

1. Use of the Linux operating system and national supercomputing facilities
2. Ability to use molecular modeling software
3. Ability to interpret numerical data to explain chemical behavior
4. Growth in the ability to read and comprehend the chemical primary literature

Scheduling: Very flexible; schedule and total number of hours is largely at student discretion

Position Overview:

This position is for student researchers who are not responsible for instructing other student researchers. The vast majority of student researchers will fall into this category.