

Summer Science Institute @SFSU

Job opening: **Academic Instructor**



Job schedule: During the summer: approximately 20 hours/week. Instructors can choose to stay with SSI for the school year. Hours will be considered at that time.

Pay: Salaried at

Submit to: staff@summerscienceinstitute.org

Application Deadline:

About the program

The mission of the Summer Science Institute is to provide a strong academic foundation and career guidance to disadvantaged students, enabling them to succeed in first year majors-level science courses, and to transition successfully into more advanced course work. The Summer Science Institute (SSI) is an eight-week non-residential program that solidifies essential scientific problem-solving skills, develops effective study habits, and provides personal support enabling students to excel independently in their future coursework. The final goal is to enable students to succeed in their education such that they can enter into the health care field to improve community health and overall social justice.

General Job Description

One important goal of the Summer Science Institute is to prepare students for success in a rigorous academic environment. As such, one important component of the program is in the form of didactic lecture sessions designed to emulate and prepare students for those they will encounter in majors-level coursework. As an instructor you will be part of the team designing lessons, hands-on instructional experiences, supporting homework and examinations. The goal is to create an experience that will both model future coursework and provide students with a basic understanding and appreciation of the sciences. This is also a great opportunity for those who are interested in a career in academics to develop their own skills in designing lessons and lecturing.

Responsibilities

- Design and present lessons in basic chemistry, biology, physics, and mathematics.
- Create homework, exams, and other evaluative material as needed to support the coursework.
- Direct students to additional study resources as needed.
- Provide clear, constructive feedback on assignments (papers, lab reports, etc.) in a timely manner.
- Assist students with final projects as appropriate (brainstorming, design assistance, feedback, etc.)
- Contribute to a social environment that reflects the program's spirit of scientific inquiry, academic excellence, dedication to community, and commitment to personal responsibility
- Act professionally at all times, following the SFSU code of conduct, and in accordance with the spirit of the program as mentioned above
- Responsibilities subject to change as program evolves

Qualifications

- A minimum of a B.A. or B.S.
- Coursework equivalent to the basic pre-health requirements. One year each of: biology with lab, general chemistry with lab, organic chemistry with lab, general physics with lab and math through calculus I
- Previous teaching experience

We are looking for highly motivated individuals who share in our vision of helping disadvantaged students to become successful in their coursework tomorrow, and excellent health care providers in the years to come. As this is a new and evolving program, we sincerely encourage you to contribute actively to refining the structure and responsibilities of the tutor/mentor role. While academics are at the heart of SSI, a sense of creativity and enthusiasm will make this experience truly positive for you and your students. We are looking for people who can share their passion to developing this program into something that will continue to serve disadvantaged students long into the future—we hope you will join us!

Please complete the form below and email it to staff@summerscienceinstitute.org. Any questions may also be directed to this address. More information about SSI, including a draft of the curriculum can be found at www.SummerScienceInstitute.org

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Instructor Application

Name: Age:

Address (Street):

City: State: Zip:

Email:

Contact Phone #:

Major:

Combined GPA (as of last semester):

Year in school: In my ____ year of ____ expected years of study at this location

Previous degrees attained, if any (give institution):

Relevant biology coursework:

Relevant chemistry/biochemistry/organic coursework:

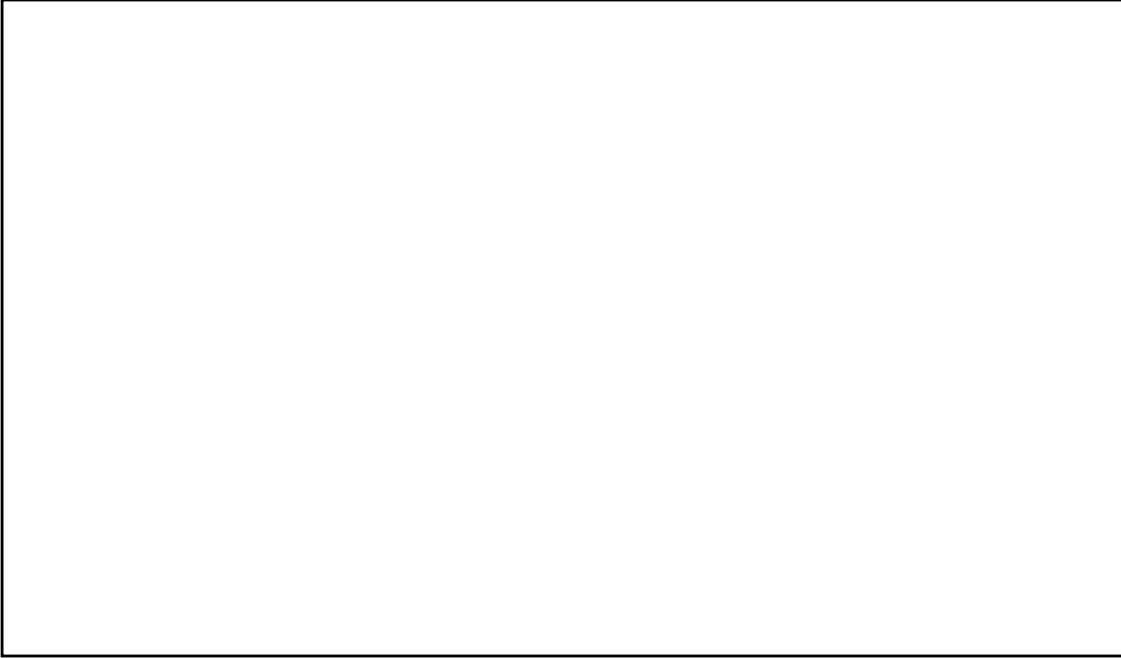
Relevant physics coursework:

Relevant mathematics coursework:

1. We are looking for instructors who are enthusiastic to take ownership of their roles, and who will participate in the mission of SSI. Please briefly describe your interest, and how you expect to contribute this program. (ideas, activities , etc.)

2. Please describe an instance in which you showed initiative in an organization or community.

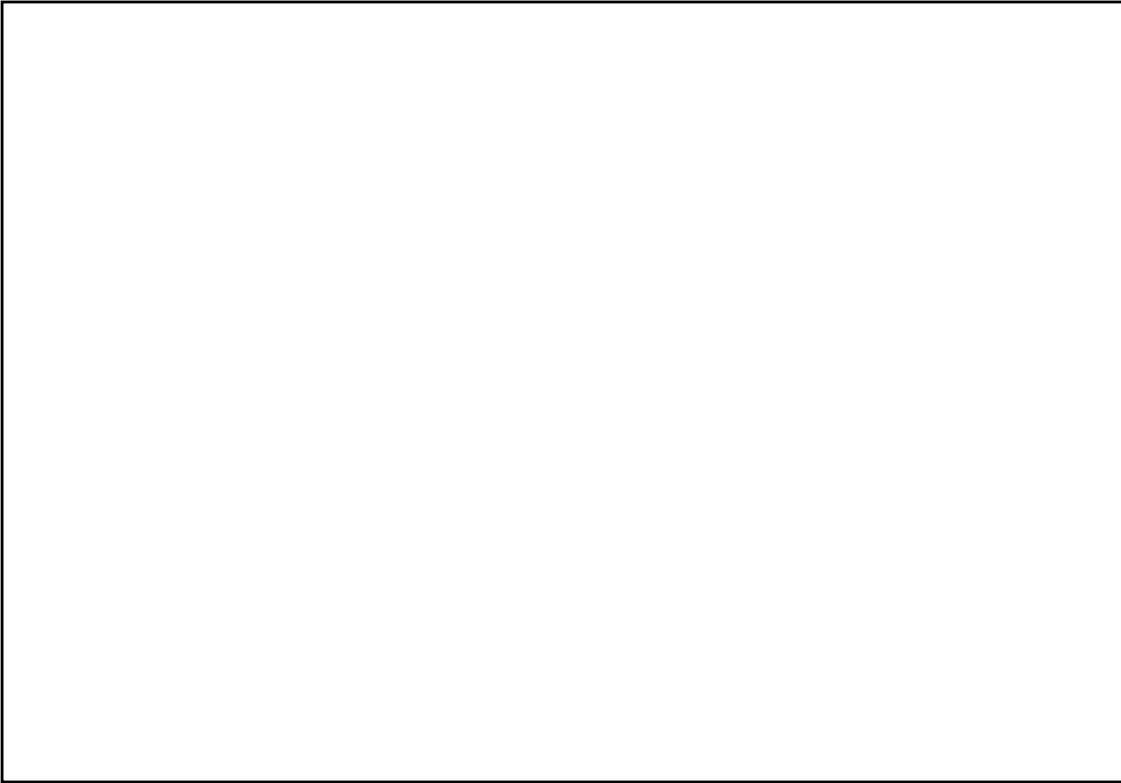
3. Please tell us about any previous teaching experiences and how these experiences will assist you in this position.



4. Effective communication is imperative for mentoring and for working in an organization. a) Please describe your communication skills. b) Describe a difficult conversation you with someone in the profession world (not a family member). What made it difficult? How did you handle it? Was the issue resolved; if so, how and if not, why not?



5. Do you come from a background that you would consider "disadvantaged"? How do you think your background and life experiences (regardless of whether you consider your background is disadvantaged) will help you relate to underserved students?



Thank you for completing the Instructor application. Please attach this application along with your unofficial transcript in an email to **staff@summerscienceinstitute.org**. Applications will be reviewed and an interview will be offered to those we consider most qualified for the program. If you have any questions, please contact us at **contact@summerscienceinstitute.org**.