Fall 2019 Undergraduate Student STEM Research Grant
Colorado Wyoming Alliance for Minority Participation Program
Center for Advanced STEM Education

Application

Application Deadline: Midnight Mountain Time, <mark>September 27, 2019</mark>
Purpose: The purpose of this grant program is to provide support for student-initiated and faculty-supervised research. Funds can be used for stipends or purchasing supplies. This research can be on campus as well as off campus.

Application Process: You should email a Word document that includes the information requested below to Lori Taylor (ltaylo50@msudenver.edu). Funding results will be announced in the Academic Excellence Dinner on November 7, 2019.

APPLICATION

PLEASE COMPLETE A WORD DOCUMENT WITH THE FOLLOWING INFORMATION. BE SURE TO STRUCTURE YOUR DOCUMENT ACCORDING TO THE FOLLOWING OUTLINE AND LABEL EACH ITEM AS LISTED BELOW.

PART 1. STUDENT RESEARCHER INFORMATION

    I.   Enter your name

PART 2. RESEARCH MENTOR INFORMATION

    I.   Enter First and Last name of your research mentor
    II.   Enter your mentor's email address
    III.   Enter your mentor's phone number
    IV.   **Mentor's Signature**: _____

PART 3. Project Description

    I.   Title of Project
    II.   Project Abstract: (Limited to 250 words) Provide a brief overview of your proposed project. The goal of your abstract is to provide a concise and complete description of your research project. As a guide, dedicate 1 to 2 sentences to each of the following components of your project: the purpose, method, and expected results/implications.
    III.   Project description: (Limited to 2 pages)
        a.   Objective: Clearly state the purpose of your project. What research question, problem statement, or hypothesis will you investigate? Provide adequate background information.
        b.   Method of Inquiry: Explain methods and procedures you will use to conduct your investigation or exploration.
            i.   Provide enough detail to allow non-experts to understand the function and purpose of each step as it relates to the overall goal or importance of the project.
            ii.   Analysis and interpretation: Discuss how you will be able to use the information gathered via your method of inquiry to address the objective(s) you described above.
        c.   Expected outcomes: Describe how your project will contribute to this literature. Articulate how the outcomes of your project will enhance knowledge and understanding of the topic under investigation.
    IV.   Timeline: Provide a timeline that demonstrates how you will complete the project within the allotted time. Your timeline should provide a schedule of when you plan to begin and complete major steps and milestones in your project.
    V.   Budget Request and Justification: In the stipend request and justification provide the amount requested and a schedule of work days and hours. In the supply request and justification provide a detailed list of requested items.

Part 4. Level of Student Involvement

    I.   Describe your role in the project.
- a. Address your contribution to the conceptual development of the project. Specifically, describe the way(s) in which you contributed to:
  - i. Development of the hypothesis, research question, or problem statement
  - ii. Design or methodology of the project
  - iii. Proposed analysis and interpretation of the results

Part 5. Research Products, Dissemination of Your Work, and Skills Development

- a. Once you have completed your research, you will need to turn in a report **within two weeks** of your project end. You report should include the following.
  - i. Summary or Abstract
  - ii. Methods
  - iii. Results
  - iv. Conclusion
- b. You are expected to complete Undergraduate Research Student Self Assessment.
- c. You are expected to present your research either in a monthly meeting or in a local, regional, or national conference.