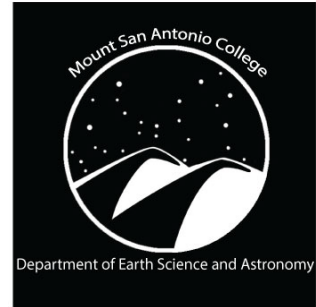


Redinger Family Earth & Space Science Research Grant Program Application for MT SAC Students 2018



The **Earth and Space Science Research Grant (ESSRG)** was established to provide Mt. San Antonio College students the opportunity to gain experience in authentic and original scientific research, and to contribute to increasing knowledge within the Earth and Space Sciences. In collaboration with an Earth Science and Astronomy faculty member (serving as a mentor) of the supporting departments, the grant awardee will use funds to investigate a geo- or space-science-based research problem and disseminate the results in a public forum.

The main elements of the **ESSRG** are:

1. Identify a research problem and purpose of research
2. Literature review
3. Determine specific research questions or hypotheses
4. Data collection
5. Analyzing and interpret the data
6. Evaluate and report on the research.
7. Communicate the research findings

Open Research Topic: Any research question related to Geosciences, Space Sciences, Meteorology or Oceanography

To qualify for the award you must:

- Make time to work on the project during at least one of the following terms while enrolled at Mt. SAC: Spring/Summer/Fall 2018
- Be willing to present your work at a conference
- Prepare a poster as well as a 2-3 page written report about your project

To apply for this award, you must:

- Be currently enrolled at Mt. San Antonio Community College.
- Have completed at least **15** semester units at Mt. SAC.
- Have successfully completed at least **6** semester units within the Earth Sciences & Astronomy

Award (Funds distributed by Mt. SAC Foundation)

- \$1,500 Student research stipend (Installments)
- \$150 Project supplies/materials (Receipts required)
- \$250 Student professional conference funding (Registration/travel)

Application Form and Support Documents due dates:

Friday February 16th, 2018 Preliminary Application Form submitted to Julie Bray-Ali

Friday March 9th, 2018 Support documents submitted to Julie Bray-Ali via email (JBray-Ali@mtsac.edu)

Application Support Documents

1. Project Proposal
 - a. Typed, double-spaced description of your proposed research project
 - b. **Include the following information**
 - 1) Applicant name(s)*, email address(es) and phone number(s)
 - 2) Project objective
 - 3) Proposed methods to accomplish the project;
 - 4) Proposed project location;
 - 5) Assumed timeline
 - 6) Equipment and/or instruments needed;
 - 7) Materials needed;
 - 8) Name of mentor professor or staff member
2. Signed support statement from the mentor professor or staff member (may be emailed by professor)
3. A student copy of your Mt. SAC transcript(s). (You may obtain this form from the Transcript Office with 24 hour advance notice, or immediately at myportal.mtsac.edu and send it as a digital file)

*Multiple applicants may apply for the reward as a research team.

List of Earth Science and Astronomy professors who may be willing to work with you and some of their research interests:

- Tania Anders- Geology, Oceanography and Climate Change (tanders1@mtsac.edu)
- Mark Boryta- Geology, Coastal Processes, and Planetary Geology (mboryta@mtsac.edu)
- Julie Bray-Ali- Astronomy, Public Outreach and Low Temperature Magnetism (jbrayali@mtsac.edu)
- Micol Christopher- Astronomy and Star Formation (mchristopher@mtsac.edu)
- Michael Hood- Astronomy, Stellar Evolution, Imaging, and Spectroscopic Analysis(mhood@mtsac.edu)
- Heather Jones- Astronomy and Planetarium Science
- Hilary Lackey- Geology, Invertebrate Paleontology and Oceanography (hlackey@mtsac.edu)
- David Mrofka- Geology, Sedimentology & Stratigraphy and Climate Change (dmrofka@mtsac.edu)
- Rebecca Walker- Geology and Volcanic Landscapes (rwalker@mtsac.edu)
- Craig Webb- Geology, Atmospheric Science and Natural Disasters (cwebb@mtsac.edu)

PRELIMINARY APPLICATION FORM

Name _____

Student ID Number _____

Address _____ (Street Number)

_____ (City and Zip Code)

() _____ - _____ Home Phone

() _____ - _____ Cell Number

_____ E-mail address

Earth & Space Science Courses taken at Mt SAC (please list all with professor name):

Course _____ Professor _____

Course _____ Professor _____

Course _____ Professor _____

Major:

GPA:

Career objectives:

Transfer University: