Attracting Students into Science: Mentor for a Summer Student Research Program for Community College Students

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The Research Experience for Community College Students (RECCS) is a 9-week paid internship that pairs community college students with research mentors and authentic research experiences in environmental and geosciences. The RECCS program aims to increase students’ persistence in STEM disciplines (Science, Technology, Engineering, and Math), and develop a more diverse geoscience workforce. Students learn basic research, writing, and communication skills, and they present their research at a local student science symposium. RECCS will be entering its ninth year this summer.

Why mentor a RECCS student?
Colorado is home to more than 100,000 community college students at 15 institutions. These institutions often serve racially or ethnically diverse groups, as well as first-generation college attendees. Providing an authentic research experience for community college students serves to develop a more diverse geoscience workforce and builds motivation for students to transfer to a geoscience field of study at a 4-year institution. Undergraduates who participate in a research experience are more likely to pursue additional research experiences or to enroll in graduate school than those who don’t have this opportunity.

Student Impact
Mentors have a tremendous opportunity to impact student growth when the research experience is scaffolded with professional development, reflection on the research experience, and supported by peers. RECCS mentors highly rate student progress as scientist-in-training. Additionally, RECCS students have shown greater self-reported gains than other undergraduate researchers in understanding the process of science, research skills, attitudes such as feelings of efficacy and belonging, and personal gains like confidence in their ability to do research.

“Definitely working with my mentor was life changing and so incredibly valuable...”

References:

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