

Engaging and Retaining Low Income and First Generation (LIFG) Community College Students in Engineering and STEM

Challenges and Opportunities to Engage LIFG students in STEM
Environmental Training Center, Red Rocks Community College
August 13, 2015

Workshop Outcomes and Agenda

Note: Required Pre-Reading 1) Literature Review on LIFG Students, including Focal Questions on p. 15 and 2) Three of the 14 narratives in Davis, 2010.

Learning Outcomes

By the end of this workshop, faculty should be able to

- Define belonging uncertainty and explain why it matters for LIFG students' academic success.
- Identify the four capitals and explain why they are crucial for LIFG student success.
- Identify simple classroom teaching and assessment strategies to gain useful feedback on teaching and mentoring activities that can decrease belonging uncertainty and build one or more of the for capitals for LIFG students.
- Identify a range of barriers to LIFG student success as well as ways to help such students overcome them.
- Increase confidence in faculty's ability to teach and mentor LIFG students.

Agenda

- I. 9-9:30 Introductions and Ice Breaker
- II. 9:30-9:40 Quick Literature Review Overview
- III. 9:40-10:30 Discussion on Focal Questions
- IV. 10:30-10:45 Break
- V. 10:45-12:00 Small Group Brainstorming & Problem Solving
- VI. Noon-1 Lunch
- VII. 1-2 Small Group Presentations
- VIII. 2-2:30 Web Activity in Small Groups
- IX. 2:30-3 Presentation and Discussion of Webs, Debrief and Evaluation