



Colorado School of Mines

Minority Engineering Program

what are we doing?
what are we doing?



maintaining cultural ties...
maintaining cultural ties...



expanding recruitment...
expanding recruitment...



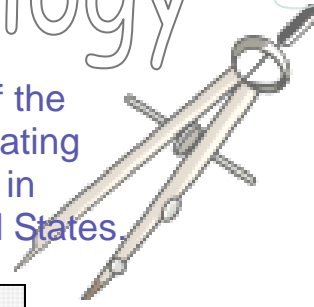
promoting professional development...
promoting professional development...



science and technology

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Colorado School of Mines is a public research university and one of the leading institutions in the world in engineering and applied science relating to resources. It has the highest admission standards of any university in Colorado and among the highest of any public university in the United States.



Golden, Colorado has been the home to CSM since its inception in 1874. Located 20 minutes west of Denver, this community of about 17,000 is nestled in the foothills of the Rocky Mountains. With Approximately 3,000 undergraduates, CSM boasts a student to faculty ratio of 15:1 and an average of 35 students per class.

The CSM institution offers:

- *Free Campus Wide Tutoring*
- *Free Career Center Services*
- *14 Undergraduate Majors with multiple engineering Specialties (e.g. electrical, civil, mechanical, etc.)*
- *15:1 Student to Faculty Ratio*
- *Credit for incoming AP and IB Courses*
- *Weekly Academic Excellence Workshops*
- *Financial Aid to 85% of Students*
- *Division II Varsity Athletics*
- *Mines Little Theater*
- *Outdoor Recreation Center*
- *Visitation Programs for Prospective Students*
- *Renowned Faculty, of Which Over 95% have PhDs*
- *Mentor Program for All Freshmen*
- *Women in Science, Engineering & Mathematics (WISEM) Program*

our campus

diversity

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Success if defined in many ways and at CSM we believe the Minority Engineering Program is a premier example. Established in 1989 to recruit, retain and graduate African Americans, Asian Americans, Native Americans and Hispanics, MEP has helped minority undergraduate enrollment grow from 8% to nearly 14% today.

The MEP mission is to graduate ethnic minorities in the areas of math, science and engineering by:

- ➡ Maintaining community and cultural ties
- ➡ Enhancing academic success, increasing student retention, expanding recruitment and networking
- ➡ Promoting professional development.

In order to achieve this mission, MEP offers a variety of programs that enhance the cultural, academic and professional development of our students. New students begin the year with a one and one-half day Freshmen Retreat where MEP upper class students coach them on the secrets of engineering success. This retreat reduces anxieties by building community and focusing on academic success strategies.

Strong academics are a cornerstone of the MEP philosophy. Our Office sponsors an Exam Simulation Program (ESP) for traditional gate keeping courses. The ESP gives freshmen opportunities to take practice exams in Calculus, Chemistry and Physics several days before the actual test, in order to ensure preparedness. In addition, MEP offers a peer mentor program that helps to acclimate students during their first year on campus. Upper class students meet with new arrivals on a regular basis, offers advice, and organize social activities.

Four student professional societies – The American Indian Science and engineering Society (AISES), Asian Student Association (ASA), National Society of Black Engineers (NSBE) and Society of Hispanic Professional Engineers (SHPE) coordinate with MEP to provide personal, cultural and professional support. The Vice Presidents from these organizations help plan, create and organize new innovative programs for MEP.

The diverse programming of MEP extends from pre-college summer programs to alumni barbecues during homecoming. MEP helps to make the transition to college fun and exciting while providing a home away from home environment.

In summary, MEP offers services including:

- Peer mentoring by upper class students
- Exam Simulation Program (ESP) for calculus, chemistry & physics
- Monthly social events at the MEP house on campus
- MEP student computer lab and computer loan program
- Annual freshmen & new transfer student retreat
- Academic counseling and tracking
- Industry tours & networking
- Professional Development Weekend (a two day networking event with hiring companies)
- Student resume book/CD for recruiters
- Annual leadership retreat for student officers
- Annual awards banquet and senior spotlight
- Sponsorship of four student organizations and their programs
- Cultural celebrations to enjoy valued diversity

PREP encourages these talented students to attend college and exposes them to the wonders of math, science and engineering.

overcoming challenges
overcoming challenges

A summer bridge component for incoming freshmen has been a cornerstone of MEP since our program was established. With a program called Challenge, up to twenty high potential minority students are accepted and enrolled in Introductory Topics for Calculus I and Introduction to Chemistry. In addition, participants take MEP101, a leadership course that focuses on personal goal-setting and academic success. Industry tours career exploration and professional development are just a few of the topics covered during this four-week summer session.

Our pre-collegiate summer programs are academically intense and will prepare you for your future studies. Participate now and start your journey to become a student leader at one of the most prestigious engineering institutions in the world.

Pre-collegiate Summer Programs

Summer Minority Engineering Training (SUMMET) is a science and engineering program for talented 10th and 11th grade minority students who are strong in science and math. Combining class work, hands-on projects, industry tours, sporting activities and social events, SUMMET is an excellent stepping stone to the lifestyle and rigors of college. Students from across the nation and central America come to stay in CSM residence halls and receive instruction in calculus, chemistry, geology, computer science and basic engineering concepts. SUMMET aims to help students grow academically and socially, and promises and experience that will last a lifetime!

Preparation for Engineering Program (PREP) is a sister program to SUMMET for top-notch 8th and 9th grade minority students.

Pre-collegiate Highlights

- Annual Minority Engineering Conference for 7-11 graders & their parents
- PREP summer program for 8th & 9th graders
- SUMMET program for high school juniors and seniors
- Challenge program for incoming college freshmen
- Community outreach programs for middle and high school students.

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