

## College of Engineering Programs

Each semester the College sponsors an Engineering Exploration Day for high school seniors. WMEP staff and students participate in this one-day outreach activity by conducting engineering workshops, working registration booths, and conducting campus tours.

The College also sponsors an Engineering Careers Day for freshmen students. Corporate representatives and upper-division class students provide additional information to freshmen students about engineering careers, new developments in the field, and graduate school. WMEP staff and students are available at this event to discuss engineering opportunities with freshmen students and also make corporate contacts for possible internships.

Each spring, the student-run Engineering Legislature hosts an Engineering Days Fair. Each organization volunteers to conduct workshops or sponsor an activity for the two-day event. In addition, undergraduate seniors present their final design projects to the public.

### Other Colleges

WMEP works collaboratively with the College of Natural Sciences' Undergraduate Retention Program to host MESA (Math, Engineering, and Science Achievement) campus visits for junior high and high school students. Since engineers heavily rely on chemistry, mathematics, and physics, our partnership is a natural extension for increasing the number of technically trained women and minorities in Colorado.

### National Affiliates

Colorado Alliance for Minority Participation (CO-AMP).

Colorado PEAKS Alliance for Graduate Education and the Professoriate (AGEP).

Graduate Degrees for Minorities in Engineering and Sciences (GEM).

National Action Council for Minorities in Engineering (NACME).

National Association of Minority Engineering Program Administrators (NAMEPA).

Women in Engineering Programs and Advocates Network (WEPAN).

## Sponsors:

WMEP is proud of the collaboration with industries, corporate founders, alumni, and other individuals for their sponsorship. Their continuous support is greatly appreciated.



## WMEP Staff

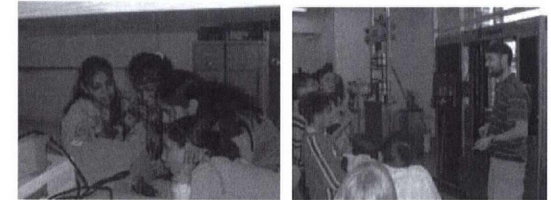


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# Women and Minorities in Engineering Program

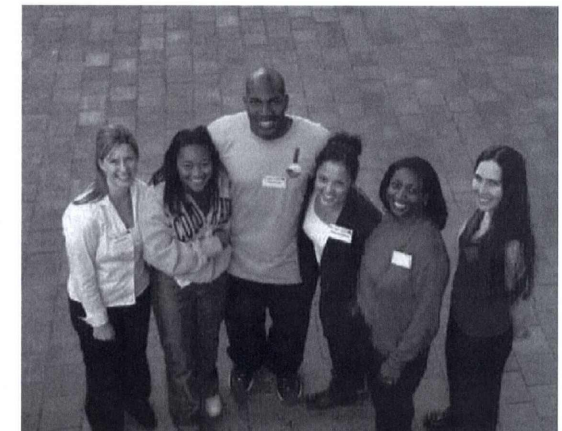


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*Knowledge to Go Places*

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## History of WMEP

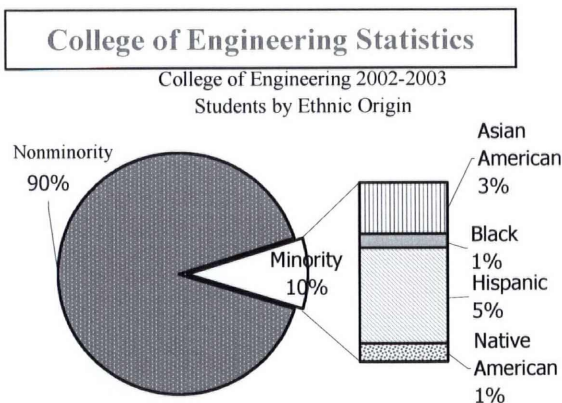
In 1987, the College of Engineering created the Women and Minorities Engineering Program (WMEP) to proactively address the needs of students from underrepresented groups and to enhance recruitment and retention activities. Colorado State's WMEP is unique in that recruitment and retention efforts for women and minorities are combined. WMEP also serves as the campus liaison for the College of Engineering's diverse student's societies: The American Indian Science and Engineering Society, Society of Black Engineers and Scientists, Society of Hispanic Professional Engineers, and Society of Women Engineers.

## WMEP Vision

To be the ultimate source of information, resources, and academic/professional development programs for women and minority engineering students. Through effective programs, enhance the academic potential and professional growth of engineering students at Colorado State University and provide students with opportunities to explore the unlimited possibilities that an engineering career has to offer.

## WMEP Mission

Conduct a complete set of academic and professional development programs and provide opportunities that promote the success and leadership qualities of engineering students and professionals.



Office of Budgets and Institutional Analysis



## WMEP Objectives

- ❖ Develop broad base of funding to guarantee WMEP's stability and growth. Already established is the WMEP Endowment and the WMEP Scholarship Endowment for women and minority students.
- ❖ Conduct recruitment and retention programs to increase the number of women and underrepresented students obtaining Bachelor degrees in STEM fields (Science, Technology, Engineering, and Mathematics).
- ❖ Expand involvement with the Graduate School by seeking funding for fellowships and research experiences for women and minority graduate students in engineering.
- ❖ Increase WMEP alumni participation and build opportunities for student internships, jobs, and mentorship prospects.
- ❖ Collaborate efforts and enhance partnerships with the National Science Foundation (NSF), Colorado Alliance for Minority Participation (CO-AMP), Alliance for Graduate Education and the Professoriate (AGEP), National Action Council for Minorities in Engineering (NACME), and other organizations to increase the number of underrepresented students completing graduate degrees.
- ❖ Expand activities to students at the pre-college level by providing summer and academic-year experiences for junior high and high school students.
- ❖ Attend regional and national conferences to share students' research findings and develop communication skills.
- ❖ Provide summer research experience for undergraduate women and minority students by collaborating with CO-AMP, PEAKS-AGEP, and other REU (Research Experience for Undergraduate) on-campus programs.

## Programs and Activities

- ❖ *Student Leaders in Engineering.* This program partners students with a faculty member to conduct research and participate in the CSU Undergraduate Research and Creativity Symposium while receiving a stipend.
- ❖ *Professional Development Workshops.* This one-day event partners students from the College of Engineering, Business, and Natural Sciences with corporate representatives in team competitions.
- ❖ *Tutoring and Mentoring Program.* WMEP staff coordinates and provides free tutoring opportunities for any student in engineering during the academic year.
- ❖ *Academic Excellence Seminar.* This seminar examines all aspects of an engineering career, with guest speakers from industry and campus.
- ❖ *Transfer Bridge Program.* Through a one-week summer experience at CSU, students are provided an opportunity to adjust to the University climate and establish a network for academic success.
- ❖ *WMEP Study Center.* The center is an integral part of our community building efforts, and includes a resource library, a test file, and a computer lab.

### Other Programs and Activities:

- ❖ Open House
- ❖ Annual Banquet
- ❖ Summer Science and Engineering Camp
- ❖ K-12 Outreach Programs
- ❖ Advising and Counseling
- ❖ Engineering Clustering Program
- ❖ Saturday Morning Engineering Club

