



COLORADO SCHOOL OF MINES
EARTH • ENERGY • ENVIRONMENT

Faculty Academy Program

Developing Tomorrow's Academic Leaders in Science and Engineering



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About the Faculty Academy Program

The Faculty Academy at the Colorado School of Mines (CSM) is a nine-month immersive program designed to transform new and experienced faculty members into effective academic leaders. These Fellows will be capable of advancing their academic institutions in the areas of teaching, research, and administration. The program provides hands-on experience and learning opportunities tailored to the needs and interests of each Fellow in the program; networking and collaboration with other Fellows as well as mentoring from senior CSM faculty members are utilized to supplement classroom sessions, shadowing opportunities, discussion groups, and field trip activities.

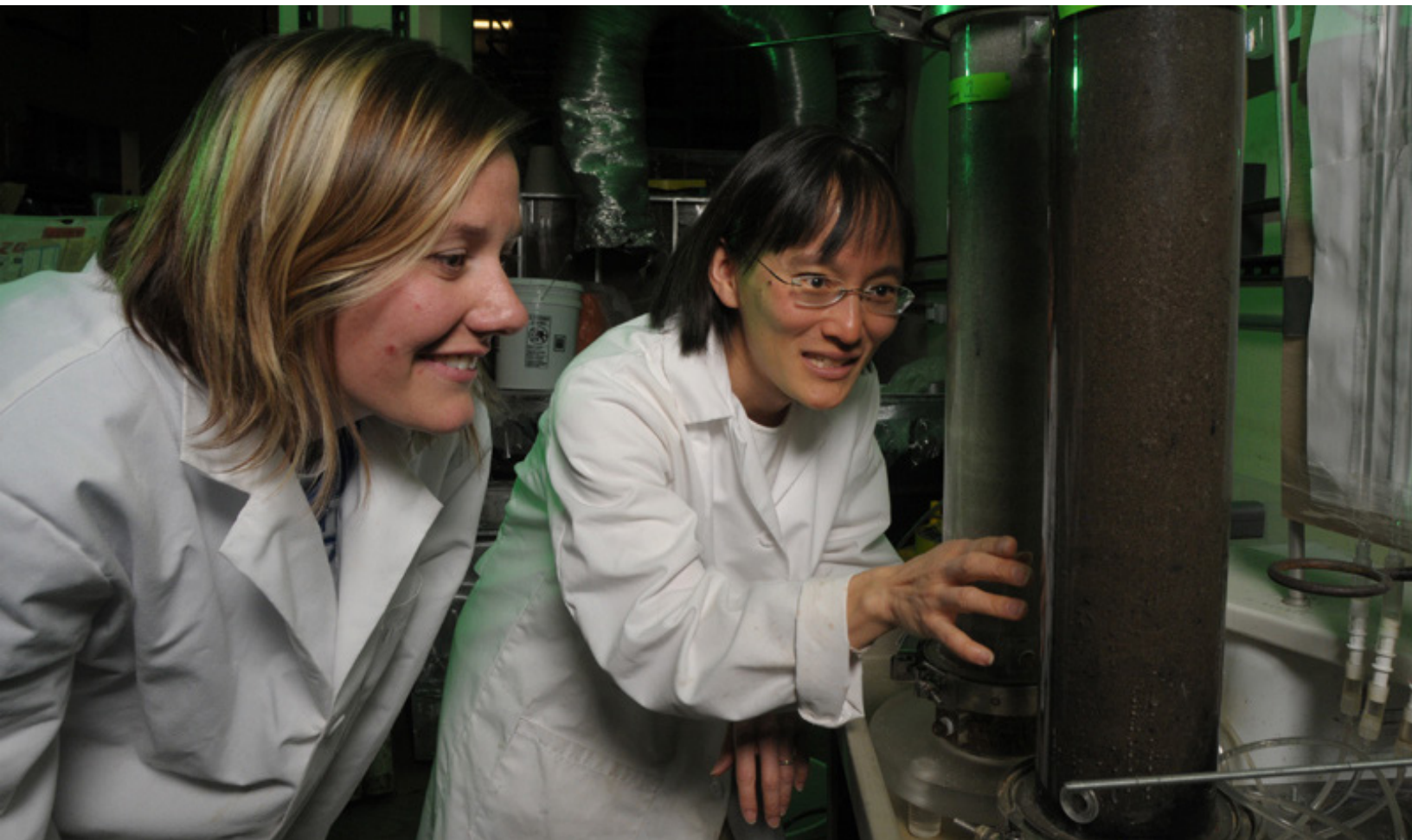
Mission

The mission of the CSM Faculty Academy is to prepare Academy Fellows to become leaders in the following elements of academic life: College-level teaching, scholarship, University academic administration and technical/academic research.

College Level Teaching

At the end of the Faculty Academy, Fellows will be able to:

- Describe and apply principles of learning and teaching in a college setting
- Select an appropriate learning theory to deliver class sessions using a variety of traditional and innovative pedagogical strategies
- Design and deliver laboratory sessions using appropriate strategies
- Design college courses including laboratory courses to meet specific learning objectives
- Employ teaching methods and course designs that promote student growth, including critical thinking and intellectual development
- Develop efficient assessment plans at the class session, course, and curriculum levels
- Describe the advantages and disadvantages of on-line courses vs. traditional courses



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University Administration

Participants will develop the following skills specific to educational administration:

- Describe processes for evaluating and admitting undergraduate and graduate students to the university
- Describe roles of academic affairs offices such as faculty hiring, promotion, tenure, and evaluation
- Develop an organization chart for a typical U.S. university including a board of trustees, president, various vice-presidents, and other supporting offices
- Describe the role and responsibility of the registrar's office in maintaining official student records
- Analyze how financial records are maintained and audited
- Explore the role of academic administration in designing, constructing, and maintaining campus buildings and grounds
- Describe how academic administrators interact with student life activities including student housing, non-academic activities, and safety and security of students
- Describe how information technology infrastructure is managed to promote student learning and campus operations
- Analyze the interface between academic administrators and external fundraising activities from individuals, corporations, and foundations
- Analyze and articulate strengths and weaknesses of U.S. university administrative structures and compare to administrative structures of each

Technical and Education Research

Faculty Academy Fellows will attain the following research skills:

- Research administration, including grants, contract administration, and institutional compliance with federal and state regulations
- Read and evaluate graduate student theses and dissertations
- Perform groundbreaking verifiable and publishable scholarly research
- Monitor spending from grants obtained from funding agencies
- Applying for a grant for the department, or helping to raise money for the university
- Participating in the activities of a professional association to advance standards and research in the field



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**For more information about the Faculty
Academy at Colorado School of Mines, or to
inquire about registration, please contact the
Faculty Academy Director.**

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