

# MINING ENGINEERING

College of Engineering and Mines  
Department of Mining and Geological Engineering  
907-474-7388  
[www.uaf.edu/cem/min/](http://www.uaf.edu/cem/min/)

## M.S. Degree

Minimum Requirements for Degree: 31 – 37

The mining engineering program emphasizes engineering as it applies to the exploration and development of mineral resources and upon the economics of the business of mining. The program offers specialization in exploration, mining or mineral beneficiation.

Students are prepared for job opportunities with mining and construction companies, consulting and research firms, equipment manufacturers, investment and commodity firms in the private sector, as well as with state and federal agencies.

Mining engineers may aspire to, and achieve, the highest positions in the industry: operating or engineering management, government agency director or entrepreneur.

## Graduate Program — M.S. Degree

1. Complete the general university requirements (page 198).
2. Complete the master's degree requirements (page 202).
3. Complete the following:  
MIN F688—Graduate Seminar I .....1
4. Complete the thesis or non-thesis requirements:  
**Thesis**
  - a. Complete the following:  
MIN F600-level courses.....12  
Technical electives .....11  
MIN F699—Thesis .....6
  - b. Minimum credits required .....30  
**Non-Thesis**
  - a. Complete the following:  
MIN courses.....12  
Technical electives .....17  
MIN F698—Research/Project .....6
  - b. Minimum credits required .....36