

Mining Engineering

College of Engineering and Mines
Department of Mining and Geological Engineering
(907) 474-7388
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 182).
2. Complete the master's degree requirements (page 186).
3. Complete the following:
MIN 688—Graduate Seminar I 1
4. Complete the thesis or non-thesis requirements:

Thesis

- a. Complete the following:
MIN 600-level courses..... 12
Technical electives 11
MIN 699—Thesis 6
- b. Minimum credits required30

Non-Thesis

- a. Complete the following:
MIN courses 12
Technical electives 17
MIN 698—Research/Project 6
- b. Minimum credits required36