

# MINING ENGINEERING, MINOR

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Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

## CAREER PATHS

Graduates will be prepared to work domestically or internationally to develop or operate mines or to work in supporting activities like engineering consulting, equipment development and supply, banking, regulatory enforcement, or research.

## CAREERS

Companies that actively mine are the largest employer, and seek graduates for production, engineering, and management-trainee positions. Manufacturers of mining equipment employ design and application engineers from our program, as do consulting engineering firms. Government agencies focused on safety, the environment, and research employ many mining engineers. Some are employed in rather unexpected places including banks that finance mining projects and the military. Internships are an important part of the undergraduate program experience, and many of our students complete two or three summer internships with mining companies.

MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES OF THE MINING ENGINEERING PROGRAM (<https://www.eme.psu.edu/recruiting-careers/>)

## OPPORTUNITIES FOR GRADUATE STUDIES

A relatively small number of mining engineering graduates pursue graduate education; but doing so adds additional career opportunities at government and private research labs, and in academia. Often underappreciated, however, is that broadening and deepening the level of technical skills is valuable in the engineering and production career paths in addition to the obvious value for a career in research. In this regard, developing specialties in a particular facet of mining engineering or expanding into interdisciplinary areas can be particularly rewarding. Some mining engineering graduates pursue graduate degrees in law or business administration.

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES (<https://www.eme.psu.edu/graduate/>)

## PROFESSIONAL RESOURCES

- Mining Society Student Chapter (<https://www.eme.psu.edu/undergraduate/undergraduate-resources/student-organizations/>)
- International Society of Explosives Engineers Student Chapter (<https://www.eme.psu.edu/undergraduate/undergraduate-resources/student-organizations/>)
- The Society for Mining, Metallurgy & Exploration (<https://www.smenet.org/>)
- National Mining Association (<https://nma.org/>)
- The American Institute of Mining, Metallurgical and Petroleum Engineers (<https://aimhq.org/>)
- International Society of Explosives Engineers (<https://isee.org/>)
- The National Stone, Sand and Gravel Association (<https://www.nssga.org/>)