



# STUDY MINING ENGINEERING

Mining engineering involves environmentally-safe extraction and processing of natural minerals from the earth. Mining engineers supply critical materials like copper, iron, lithium and gold, that are essential for modern society and the world's economy.

Automation and digital technologies are modernising the mining industry and transforming mining careers.

## CAREERS IN MINING ENGINEERING

Our mining engineering graduates are in high demand, with a diverse range of potential career paths in Australia and overseas. Many of our Mining Engineering students receive multiple job offers before completing their degree.

You could work in all aspects of the resources industry from exploration and planning, to extraction, processing and rehabilitation. Mining engineers are also employed in a range of other engineering professions including:

- tunnelling, road and railway construction
- hydro-electric and water supply projects
- mining operations and corporate head office
- services industry as contractors, suppliers, and inspectors
- managers and consultants
- oil and gas industry
- equipment designers, researchers and technical specialists.



*"I chose mining engineering because mining is something that affects everybody's life. Without mining, the metals and materials needed to develop new technology wouldn't exist – materials such as lithium for batteries, and particular metals needed for computers and phones (to name a few).*

*I'm excited to be a part of something so important, and to be a part of developing new ways to make mining cleaner and safer. I have accepted a graduate position with Rio Tinto. I can't wait to have a career which lets you have something different to look forward to every day."*

– Keely Simpson-Bull

MINING ENGINEERING STUDENT AND VICE PRESIDENT OF RESOURCES  
ENGINEERING STUDENT SOCIETY

## COURSE DETAILS

Mining Engineering is a stream of the Resources Engineering degree at Monash. The course focuses on practical solutions to industry problems to ensure our students are job ready. We work closely with our industry education partners to deliver current, practical knowledge and the latest technology in the sector.

All Bachelor of Engineering (Honours) students complete a common first year. In second year you select the Resources Engineering specialisation that offers a range of units common to the two resources streams – Mining and Renewable Energy Engineering.

Units in third and fourth years provide targeted study and in depth technical knowledge in your chosen stream of Mining Engineering.

See [monash.edu/study/courses/find-a-course/2019/engineering-e3001](http://monash.edu/study/courses/find-a-course/2019/engineering-e3001)

## SCHOLARSHIPS

There are a range of scholarships available including several industry based scholarships for mining engineering students.

See [monash.edu/study/scholarships](http://monash.edu/study/scholarships)

## INDUSTRY LINKS

Students benefit from strong industry links through scholarships, seminars, industry projects and summer work opportunities. Monash Engineering is proud to work closely with our industry partners MMG, Newcrest, Orica, Woodside, Senvion Wind Energy Solutions, UPC Renewables Australia Transmission and the CSIRO to deliver the Bachelor of Resources Engineering (Honours).

**“Australia’s mineral industry is rapidly evolving and adopting new technologies such as robotics, drones, data science and virtual reality, creating opportunities for a diverse range of highly skilled, highly paid careers.”**

– Mineral Council of Australia

## FAST FACTS

📍 Clayton

🕒 4 years

🎯 Specialist course

➔ February and July

ATAR Score 91.80

IB Score 34



Further information at [monash.edu/study](http://monash.edu/study)

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