MINING ENGINEERING

If you are looking for a career where you can work indoors and outdoors, travel the world, where people skills count as much as technical skills, and where you are sure of getting a highly paid job at the end of your degree, then mining engineering is the career for you.

What does a mining engineer do?

Mining engineers plan and manage the various aspects of extracting minerals from the earth. They liaise with geologist, scientists and other engineers to assess the economic, technical and environmental feasibility of a mine, design facilities for the safe and efficient operation of the mine, manage people and resources, work actively with environmental engineers and scientists to restore and rehabilitate land impacted by mineral operations, work with the community to manage the environmental and social impact of a mineral operation.

Why study at the University of Wollongong

The mining program at UoW is a practical course with experienced staff. Students are prepared for their career in the field of mining by solving practical problems, designing innovative mines and being aware of human relations and mine safety. Students acquire a broad education that includes economics, law, commerce, geology, civil and mechanical engineering. Practical hands-on experience is necessary for 12 weeks of your studies. Students can combine their mining degree with other degree programs such as law and commerce.

The aspects of UoW that prepared me best for my career were interacting with peers, lecturers and industry representatives on a professional level to successfully complete projects. Compulsory vacation experience in a mine gave me the opportunity to implement some of the theory in a practical way. UoW had a more relaxed learning environment and smaller class sizes meant more one on one time with lecturers and technical assistants.

Richard Williams, 2002 BEng(Mining); Mining Engineer, BHP Billiton Mitsubishi Alliance.

Career opportunities: Career options include: mine planners and designers, consultants, project managers, technical specialists, investment analysts, researchers and software designers. Mining engineering suits someone who:

- Enjoys problem solving • Is resourceful and an independent thinker
- Can communicate well with others • Enjoys a challenge

Contact details:

For more information, please contact the Engineering Enquiry Centre on 02 4221 3491 or email engineering@uow.edu.au or visit the faculty website www.uow.edu.au/eng