

World Class Mining Education



Now more than ever before Australia is a great place to study mining. With a vibrant mining culture and world class innovative higher education system, international students have the opportunity to either work after completing their degree or continue further industry research.



Australia is known internationally for its mining and also for the world class mining education on offer here. Boasting seven world class mining research centres, Australia's mining industry is a vibrant, modern industry with technology and research playing a vital role. Australia's superior mining technology research accounts for over 60% of the mining software used around the world for mine planning and mine scheduling, being designed in Australia. It makes sense then that technology is a large component of mining studies in Australia.

Leading the world in mining best practise, Australia hosts two of the world's mining giants with over half of their operations here. Australia is known for its leadership and innovation along with a social and environmental

responsibility focus and there is investment from the mining big players to secure supply for growing Asian markets. China and Japan are currently investing in industry to secure supply of 58% of seaborne traded coal that comes from Australia.

Australia is more than just coal in fact, there is a diverse commodity mix in Australia including gold, iron ore and diamonds which treats any international mining student to a wide range of processes and mining technology. Students have the opportunity to experience this diversity through studies as well as industry experience and vacation work. Industry Experience and Vacation Work for mining students in Australia is a strong part of the culture. Industry provides more than

600 vacation placements. As an international student visiting the country can be just as important as the studies undertaken. Within your mining studies there are ample opportunities to gain industry related experience on location during your vacations.

With a current skill shortage in Australia for professionally qualified workers, opportunities have recently opened up for international students who have completed their degree in Australia to stay here and work. In the current boom there is the choice for graduates to smoothly gain employment in the Australian mining industry which offers competitive starting salaries. Over the next 8 years a record 10,500 new jobs are opening up for graduates. Being a global industry, the Australian mining industry boasts a 19% foreign worker base.

Industry is strongly linked to mining education through the Minerals Council of Australia (MCA) who in 1999 established the Minerals Tertiary Education Council (MTEC) to build a world-class tertiary education learning environment for the education of professionals for the Australia minerals industry. MTEC fosters the partnership between industry, government and academia. A network of selected university partners is dedicated to achieving true 'world class' education by cooperating in the development and delivery of undergraduate and post graduate learning in the specialist disciplines of earth sciences, mining engineering and metallurgy.

For more information visit
www.minerals.org.au/mtec

Surf Sun Study...

Most people know Australia for its sun, surf, beautiful landscapes, friendly people and casual, healthy lifestyle. Around the world it is also known as a leader in the mining industry. Australia has also been consistently and at times, critically short of mining engineers. This shortage is expected to persist as the current workforce ages and industrial growth in China and India fuels a resources boom. This is good news for students who are wanting to study and then work in Australia - one of the most dynamic mining industries in the world.

As an international student there has never been a better time to enjoy all that Australia has to offer by studying to be a Mining Engineer through Australia's newest mining school Mining Education Australia also known as MEA. Intakes for 2007 are being accepted now.

Three of Australia's leading mining universities and the Minerals Council of Australia (MCA) have joined forces to establish the first ever national school of mining engineering. The school, Mining Education Australia, is a joint venture between the three major mining education providers in Australia and is a world-first in undergraduate mining education. "Developing the collaborative university program is part of the MCA's nationally coordinated strategy for the minerals industry to overcome the well-documented global shortage of professionals and trades people" MCA Chief Executive Mr Mitchell Hooke said. "The aim is to alleviate the skills crisis by providing a dependable source of well qualified mining engineers into the next decade" he said. One of the ways that MEA will attract more people to study Mining

Engineering is by providing more flexible pathways into mining engineering courses and through flexible programs that enable students to transfer between partner universities.

What is MEA?

Mining Education Australia is one program and one school delivering world class undergraduate education in mining engineering by integrating and coordinating the resources of Australia's premier mining universities. University of New South Wales, Western Australian School of Mines, and the University of Queensland are three of the world's best mining engineering university undergraduate departments and together under the banner of MEA, they develop and deliver high quality education in mining engineering. Utilising a formal structure MEA courses ensure quality, relevance to industry and the latest teaching methods are used to ensure great delivery for students.

World Class Education

The aim of MEA is to increase supply of new mining engineers with the skills and education that industry is looking for. The school provides the

greatest number of students with the highest possible quality of mining education by coordinating the resources of the three largest schools in Australia. This ensures that each course is coordinated and taught by leading academics in each field. MEA also has access to the seven world class mining research centres thus providing cutting edge information and pathways for students to continue higher education.

Flexible Options

MEA provides the most flexible programs possible including the opportunity for students to transfer between partner universities. International students have the option to study in Western Australia, Queensland, New South Wales or a combination of all, visiting some of the most picturesque parts of Australia. There is also the option of completing studies at the one location. A wide range of electives enable students to specialise in particular areas of interest.

Industry Experience While You Study

Industry vacation work is part of the mining culture in

Australia and industry make over 600 vacation placements available for students. Rates of pay in the Mining Industry are above average which means that accessing these placements during study, make studying mining in Australia an affordable option. Vacation work and Industry Experience placements not only enhance learning but also provide pathways to professional employment after studying. Many international students like to combine study and travel. Studying through MEA can provide the option of travelling to different parts of Australia while obtaining paid work at the same time. Vacation work and industry experience are the perfect channel to achieve this.

Stay and Work in Australia

With an under supply of Mining Engineers in the mining industry and a boom in the resources sector in Australia, it is now easier than ever to gain professional employment in Australia as a Mining Engineer following the completion of studies. Recent changes now make it possible for a smooth transition from graduation to employment for international students.

to be a Mining Engineer

Start your Mining Engineer Career in 2009

As part of the flexible structure of MEA, students who have completed two years of a suitable engineering degree and meet entry requirements, can transfer into an MEA course in 2007 and graduate as a Mining Engineer after just two years of study in Australia. This provides the opportunity for civil or mechanical engineering

students to specialise in mining and take advantage of a booming industry and excellent starting salaries.

Benefits of Becoming a Mining Engineer

- Interesting job where no day is the same
- Utilise latest technology
- Work as part of a team
- Great salaries
- Excellent management

pathways

- Opportunities to see Australia and the world

Benefits of Studying with MEA

- Access to a national group of mining academic staff with skills in all major areas
- Opportunity to undertake exchange semesters amongst member universities
- Graduate with a world-class

degree

- Participate in an exciting and innovative teaching program

For more information students can contact any of the participating universities or contact MEA directly on 61 2 9385 9545 or email Julia O'Sullivan at:
j.osullivan@unsw.edu.au

www.mea.edu.au

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become a Mining Engineer

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For more information contact **Julia O'Sullivan** on **61 2 9385 9545** or j.osullivan@unsw.edu.au

*subject to correct pre-requisites