

Bachelor of Engineering (Metallurgy)

May Information Sessions

Mawson Lakes campus: Wednesday 25 May

For more information and to register visit

unisa.edu.au/mayinfoptions

Open Day 2011

City West campus: Sunday 21 August

For more information visit

unisa.edu.au/openday

Festival of Innovation

Mawson Lakes campus: Sunday 25 September

For more information visit

unisa.edu.au/innovation

unisa.edu.au/engineering

SATAC code	434931
UniSA program code	LBGY
ATAR (February 2011 cut-off)	87.75
Program length	4 years
Prerequisites	SACE Stage 2 Mathematical Studies
Assumed knowledge	SACE Stage 2 Physics
Home campus	Mawson Lakes
Accepts Special Entry (STAT)	Yes
External study available	No
Part-time study available	Yes
TAFE credit available	No
Honours study available	Yes
Program fees	Commonwealth supported
Scholarships available	unisa.edu.au/scholarships

Program overview

The program aims to provide an in-depth knowledge of various metallurgical processes to prepare graduates for professional careers in minerals, mining, manufacturing and processing industries.

What will I study?

The program has a foundational first year that includes an introduction to mechanical, civil and electrical engineering to give you a broad engineering knowledge so that you have an extensive understanding of basic fundamentals and an appreciation of the diversity of engineering.

Courses in second year have a practice based emphasis that provides engineering knowledge in a range of areas including mechanical engineering, metallurgy, chemistry and manufacturing.

The third year of the program provides more detailed study of particular metallurgical and mineral processing including pyrometallurgy and hydrometallurgy along with some advanced manufacturing process engineering.

The fourth year includes a major individual, industry based project and the opportunity for you to choose a particular area of advanced study in metallurgy, materials or mechanical engineering according to their interests.

Who will employ me?

This program will prepare you for work as metallurgists, primarily in the mining industry. Graduates can gain employment within a range of industries requiring engineers with exposure to a range of materials and materials engineering concepts – from materials processing (including metals and minerals) through various manufacturing, biomedical and processing industries. Advanced materials such as ceramics, composites and biomaterials are also becoming increasingly used.

Students that successfully complete this program will also be able to progress onto higher degree work with materials research facilities inside and outside of UniSA.

Honours

Students achieving a credit level average at the end of third year may be invited to enrol in the Honours project in fourth year. Successful completion of the program and the Honours project may lead to the award of a degree with Honours.