



# WE WANT YOUR BEST

## The Lowell Master of Engineering in Mineral Resources

The global nature and fast pace of the mining industry can make it difficult to return to a college campus for graduate courses.

The Lowell Master of Engineering in Mineral Resources is a distance degree that provides continuing education for the global minerals industry. Courses are taught by university professors, industry professionals, and senior executives of major companies.

The Master of Engineering in Mineral Resources is a program for mineral resource professionals advancing to management positions and for those from other disciplines who are entering the mineral resources industry and need professional career preparation specific to the industry.

Nominations and applications are being accepted for the fall 2008 semester. The application deadline is June 1, 2008.

# Emphasis Areas

Mine Information and Production Technology  
Technical Mine Management  
Geomechanics  
Mine Health and Safety  
Mineral Processing  
Environmental Management

## Course Topics Include:

Corporate Strategy and Governance  
Engineering Contract Law  
Commodities Markets  
International Minerals Trade  
Introduction to Capital Markets  
Mine Finance  
Equipment Operations Technology  
Management Operations Technology  
Modern Mining Operations Systems  
Block Cave Mine Design  
Disease and Illness in Mining  
Environmental and Occupational Health  
Underground Construction Geomechanics  
Mechanics of Failure in Rock  
Surface Chemistry of Flotation  
Hydrometallurgy  
Engineering Sustainable Development  
Environmental Management and Mine Reclamation

## Lowell MEng Fast Facts

Students employed by a company with a business presence in Arizona pay in-state tuition (corporate rate). Learn more at:

[www.oneflexibledegree.com](http://www.oneflexibledegree.com)

30 credit hours are required for the degree. Students can earn up to 9 credit hours for work-related research report and independent study.

Students can take a combination of 1-credit hour (2-day) short courses and full semester 3-credit hour courses

Students are strongly encouraged to spend one week on campus at the beginning and end of each academic year for student-faculty interaction.



*Distance learning means keeping your employees on site while they enhance their skills and value to your company.*

## Admission Requirements

Bachelor's degree from an accredited institution

TOEFL score of 550 for paper-based; 213 for computer-based; or 79 for iBT exam

Undergraduate GPA of 3.0

Undergraduate degree in engineering or\*:

3 semesters of calculus

2 semesters of calculus-based physics

2 semester of chemistry

Engineering science including statics, mechanics of materials, and fluid mechanics

Proficiency in basic geology

\*Some emphasis areas will require differential equations, structural geology, mineralogy/petrology, thermodynamics, surface chemistry.

Contact us to determine prerequisites if you do not have an engineering degree at [mgedept@email.arizona.edu](mailto:mgedept@email.arizona.edu)

Complete the Graduate College Application at:

<http://grad.arizona.edu>

Complete the Master of Engineering Application at:

[www.oneflexibledegree.com](http://www.oneflexibledegree.com)

## Tuition Rates

Rates below are for the current academic year. They will increase next year.

|                     |                       |
|---------------------|-----------------------|
| Corporate rate:     | \$723.33/credit hour  |
| Non-Corporate rate: | \$1114.33/credit hour |

