

ENGINEERING, ARCHITECTURE AND INFORMATION TECHNOLOGY

FEATURED COURSES

Artificial Intelligence

COMP3702

This course investigates methods and techniques within the field of artificial intelligence, including problem solving and optimisation by search, representing and reasoning with uncertain knowledge and machine learning. Specific emphasis is placed on the practical utility of algorithms and their implementation in software.

3D and Interaction Media

MMDS1311

This course introduces students to the principles of design and the design process, applied to 3D Modeling and Multimedia Authoring technologies and fields. Students use these principles and processes in designing, modelling, rendering and animating 3D and Interactive Media products.

Architecture of the Region

ARCH2230

This course involves the study of architecture in its regional context, including culture and history. It investigates influences on architectural form and the development of architectural ideas. Australian architecture and the architecture of south-east Queensland provide the basic regional study contexts.

Biomaterials: Materials in Medicine

CHEE3305

This course is an introduction to biomaterials science, artificial organs, prosthetic devices, regulatory testing and evaluation of new biomaterials. Students also gain an understanding of polymeric, ceramic, metallic and composite biomaterials.

Introduction to Mining

MINE2105

This course is an introduction to Australian mining history, mining methods and mining equipment, mine ventilation, explosives and blasting. Students explore the roles and responsibilities of a mining engineer in Australian mineral deposits and mines, and mining development.

OTHER COURSES

The table below lists other popular courses in this area available to Study Abroad and Exchange students. A full list of courses can be found on UQ's Courses and Programs website at www.uq.edu.au/study

UQ CODE	COURSE NAME
INFS3200	Advanced Database Systems
MMDS3300	Games Design
MMDS2200	Graphic Design
COMP3505	Social and Mobile Computing
COMP2303	Network and Operating Systems Principles
ARCH3210	Culture, Environment and Design
ARCH3110	Modern Architecture and the City
ARCH1110	Principles of Architecture
MECH2300	Structures and Materials
CIVL2330	Structural Mechanics
ELEC2003	Electromechanics and Electronics
ENGG1050	Engineering Thermodynamics
ELEC2004	Circuits, Signals and Systems
CIVL2130	Environmental Issues, Monitoring and Assessment
MECH3250	Engineering Acoustics
COMP2506	Human-Computer Interaction
CIVL2410	Traffic Flow Theory and Analysis
CIVL2210	Fundamentals of Soil Mechanics
COMS3000	Information Security
MECH3600	Engineering Management and Communication

NOTES

- Course information is correct as at April 2010 and may change in 2011. Please refer to www.uq.edu.au/study for current information.
- Whilst all listed courses are available to Study Abroad and Exchange students, some will require Faculty/School approval, as relevant previous study is required.



“In my courses I have a lot of practical work which I think is very interesting to do after studying the theory. I have a project in acoustics in which I have to study some specific aspect of the theory and find and carry out an experiment myself. It makes me feel independent and free to do whatever I want to make this project work.”

CELINE WAN, FRANCE
(STUDY ABROAD STUDENT)