YOUR *ENGINEERING CAREER PATH* STARTS RIGHT HERE!

AUSTRALIAN INSTITUTE of Advanced Studies

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We Also Offer the Following Courses

CUA51015 Diploma of Screen & Media

CUA31015 Certificate III in Screen & Media

CUA50715 Diploma of Graphic Design

CUA30715 Certificate III in Design Fundamentals

MEM60112 Advanced Diploma of Engineering

MSA30208 Certificate III in Manufacturing Technology

30942 QLD Justice of the Peace (Qualified)

For Course Details and Enrolment Information Please Contact Our Friendly Staff for Assistance.

Phone +617 3343 8073

E-mail - info@aus-ias.edu.au

Web - www.aus-ias.edu.au

"L" Block - Brisbane TAFE Mt Gravatt Campus

1030 Cavendish Road

Mount Gravatt East QLD 4122

PO Box 5060 Mount Gravatt East QLD 4122

CRICOS Code: 03469E

RTO No. 40730

AUSTRALIAN INSTITUTE of Advanced Studies

MAKING YOUR FUTURE A REALITY

ENGINEERING

MSA30208 Certificate III in Manufacturing Technology - CAD/Drafting

MEM60112 Advanced Diploma of Engineering

MSA30208 - Certificate III in Manufacturing Technology CAD/Drafting

About the Course

On completion of this course you have the opportunity to be a part of the world of engineering. As a CAD draftsperson you could be 3D modelling and detailing car parts, airplane components, architectural designs, landscapes, bridges and the engineering marvels of the future. This course is aimed at providing aspiring para-professional engineers with the skills and knowledge to make a valuable contribution.

Pathways & Further Study

Ten (10) of the units in this course also count towards the
Diploma and Advanced Diploma of Engineering with full credit to corresponding MEM competency codes.

Course Requirements

To be awarded a Certificate III in Manufacturing Technology -
Cad/Drafting, competency must be achieved in eleven (11) units of competency.

Core Units

MEM30012A Apply mathematical techniques in a manufacturing, engineering or related environment
MSS402051A Apply quality standards
MSAENV272B Participate in environmentally sustainable work practices

Electives

MEM12024A Perform computations
MEM16006A Organise and communicate information
MEM16008A Interace with computer technology
MEM30031A Operate computer aided design (CAD) systems to produce basic drawing elements
MEM30032A Produce basic engineering drawings
MEM30033A Use computer aided design (CAD) to create and display 3-D models
MEM09002B Interpret technical drawings
MEM30006A Calculate stresses in simple structures

MEM60112 - Advanced Diploma of Engineering

CRICOS Course: 089996D

About the Course

On completion of this course you could be a part of the design team for the next supersonic aircraft or energy efficient transport systems or developing new manufacturing equipment. This course equips you with the skills of an Engineering Technician. You will learn how to use design calculations, materials, manufacturing processes, 3D modelling and details drafting to produce a diverse range of technologies for today and tomorrow.
This two year full time (or part time) course is designed to give you a broad understanding of the concepts and processes to make you a valuable member of an engineering team as an Engineering Technician.

Pathways & Further Study

Successful completion of this course can assist in gaining industry positions such as Design Draftsman, Engineering Technician, Estimator and other technical roles. Many students use this course to obtain jobs within industry before advancing their career options by studying for a Bachelor of Engineering degree at some of Australia's top Universities.
The Advanced Diploma of Engineering gives students a one year credit towards the Bachelor of Engineering degree at most Universities.

Course Requirements

To be awarded an Advanced Diploma of Engineering, competency must be achieved in thirty (30) units of competency.

Core Units

MEM16006A Organise and communicate information
MEM16008A Interact with computing technology
MEM22001A Perform engineering activities
MEM22002A Manage self in the engineering environment
MEM30007A Select common engineering materials
MEM30012A Apply mathematical techniques in a manufacturing, engineering or related environment
MSAENV272B Participate in environmentally sustainable work practices

Electives

MEM09002B Interpret technical drawing
MEM12024A Perform computations
MEM30005A Calculate force systems within simple beam structures
MEM30006A Calculate stresses in simple structures
MEM23063A Select and test mechanical engineering materials
MEM30031A Operate computer aided design (CAD) systems to produce basic drawing elements
MEM30032A Produce basic engineering drawings
MEM30033A Use computer aided design to create and display 3-D models
MEM09155A Prepare mechanical models for computer aided engineering
MEM09157A Perform mechanical engineering design drafting
MEM09204A Perform basic engineering detail drawing
MEM12025A Use graphical techniques and perform simple statistical computations
MEM14087A Apply manufactured product design techniques
MEM22013A Coordinate engineering projects
MEM23003A Operate and program computers and/or controllers in engineering situations
MEM23004A Apply technical mathematics
MEM23006A Apply fluid and thermodynamic principles in engineering
MEM14089A Integrate mechanical fundamentals in an engineering task
MEM23109A Apply mechanical engineering principles
MEM23120A Select mechanical machine and equipment components
MEM23123A Evaluate manufacturing processes
CPCCSV5003A Produce working drawings for residential buildings
PMBTECH505B Choose polymer materials for an application

'Don't just do a course...
...Get an education!'

*The course unit selection may change without notice.

MAKE YOUR FUTURE A REALITY!

FOR MORE INFORMATION CALL +617 3343 8073