

# MEM40412 Certificate IV in Engineering Drafting

## OVERVIEW

The MEM40412 Certificate IV in Engineering Drafting is a nationally accredited program which provides industry specific training for Draftspersons in the Air Conditioning and Mechanical Services Industry. AMCA (RTO 5139) is a peak industry body representing air conditioning and mechanical services across Australia. This course was created by AMCA members to meet the needs of the industry and graduates are highly sought after.

## PARTICIPATION

To participate in the program you must be employed in a Mechanical Services Drafting office.

## AMCA DRAFTING COURSE

The AMCA drafting program is designed to be flexible and responsive to individual, company and industry needs with a focus on:

- use of up-to-date Industry and educational technology
- current workplace practices
- “hands on” workplace experiences
- Computer Aided Design (CAD)

Training and assessment is undertaken in the workplace.

## TUITION FEES \*

- AMCA Member - \$8,700 per student (inclusive of gst). This rate is applicable to students from the state in which their employer is a member
- AMCA Non Member - \$12,000 per student (inclusive of gst)

\* AMCA VIC Member - for fee structure please contact AMCA Victoria office directly

A separate fee structure is available for Recognition of Prior Learning.

The above cost doesn't include ;

- Advanced drafting techniques, software and specialist in-company training (These will be available Fee for Service)
- Airfares and accommodation

## DURATION & DELIVERY

The MEM40412 Certificate IV in Engineering Drafting encompasses 4 core units and 11 elective units with the educational components to be completed over a 2 year period. It is possible to ‘fast track’ the qualification by obtaining recognition of prior learning or awarded credit transfer if you have a previous recognised training qualification and /or relevant industry experience.

Each student must attend classes conducted in the AMCA Burwood Victorian office that is delivered over 6 x 1 week blocks over the period of 2 years.

## QUALIFICATION AWARDED

At the successful completion of this course the participant will receive a MEM40412 Certificate IV in Engineering Drafting. Those students who do not complete this course or who are deemed not yet competent in any units will still receive a Statement of Attainment for those units they have completed.

## COURSE STRUCTURE

<b>CORE UNITS</b>	
MEM16006A	Organise and communicate information
MEM16008A	Interact with computing technology
MEM30012A	Apply mathematical techniques in a manufacturing, engineering, or related environment
MSMENV272	Participate in environmentally sustainable work practices
<b>ELECTIVE UNITS</b>	
MEM09002B	Interpret technical drawings
MEM09201A	Work effectively in an engineering drafting workplace
MEM09204A	Produce basic engineering detail drawings
MEM09206A	Produce drawings for mechanical services
MEM09207A	Produce drawings for reticulated services
MEM09217A	Prepare plans for pipe and duct fabrication
MEM09218A	Participate in drafting projects for building services
MEM30031A	Operate computer aided design (CAD) system to produce basic drawing elements
MEM30033A	Use computer aided design (CAD) system to create and display 3D models
CPCCOHS1001A	Work safely in the construction industry
CPCPCM4012A	Estimate and cost work

