



**COURSE CODE: CPC10108**  
**Computer Aided Design & Drafting (CADD)**  
**Short Course**  
**ARCHITECTURAL DRAFTING & DESIGN PATHWAY**

**Training and Development Provider**

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**Available to:** Years 10, 11 and 12  
**Length:** 1 semester (6 weeks)  
**Accreditation:** 5 SACE Credits - Stage 1

Computer-aided design (CAD), also known as computer-aided design and drafting (CADD), is the use of computer technology for the process of design.

CADD environments often involve more than just shapes. As in the manual drafting of technical and engineering drawings, CAD conveys information, such as materials, processes, dimensions, and tolerances, according to specific requirements.

CAD may be used to design curves and figures in two-dimensional (2D) space; or curves, surfaces, and solids in three-dimensional (3D) objects.

CAD is used in many applications, including automotive, shipbuilding, and aerospace industries, industrial and architectural design, prosthetics, and many more. CAD is also widely used to produce computer animation for special effects in movies, advertising and technical manuals.

Computer Aided Drafting will be of benefit to anyone with an interest in designing products, fashion design, homes, furniture, gardens or even floor layouts.

**Aspects to consider:**

- Students gain SACE credits and National Accreditation
- Tutorials will be undertaken to train students in the production of 3D CAD drawings and digital rendering.
- Students will gain valuable skills related to the practice of Architecture and SACE units with National Accreditation.
- The course will help students to further their interest in the Architectural Industry and assist them in making a constructive career choice.
- Students must be prepared to undertake their study once a week in an after school hour instruction lesson (3 hours) conducted off campus in conjunction with the partnership schools
- Competency based assessment will be undertaken in a simulated work place environment in the classroom.
- Cost (see your VET Coordinator)

**Content:**

- CPCCVE1002A – Undertake a basic computer design project - 36 hours

**Assessment:**

The production of CAD drawings

**Qualifications gained:**

One unit from Certificate I in Construction CPC10108

**Course pathway:**

Certificate IV in Residential Drafting & Diploma of Building Design & Technology.

**Contact:** School VET Coordinator