Unit of Competency CPCCVE1002 Undertake a basic computer design project

Application

This unit of competency specifies the skills and knowledge required to use a computer drawing program to prepare drawings for a basic construction project from a design brief.

The unit includes production of the drawings in plan and elevation format.

The unit is suitable for those with basic skills and knowledge undertaking routine work tasks under the direction of more experienced workers.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of unit CPCCWHS1001 *Prepare to work safely in the construction industry* meets this requirement.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Prerequisite Unit

Nil.

Elements and Performance Criteria

1. Review and prepare for computer design.	1.1	Review design brief for a basic construction project.
	1.2	Access computer and drawing program.
2. Prepare first draft design.	2.1	Progressively enter design parameters and other information for the proposed structure into the computer software.
	2.2	Modify design information in the system as anomalies and errors become apparent.
	2.3	Complete first draft design.
3. Finalise design.	3.1	Review first draft design for accuracy and compliance with brief.
	3.2	Finalise drawings in both plan and elevation form.

Foundation skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and equivalent to CPCCVE1002B Undertake a basic computer design project

Links

Companion Volume Implementation Guide:
https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad

Assessment Requirements for CPCCVE1002 Undertake a basic computer design project

Performance Evidence

To demonstrate competency, a candidate must satisfy all the elements, performance criteria and foundation skills of this unit by using a computer drawing program to prepare drawings from a design brief for a basic construction project, such as a simple piece of furniture.

All work must be performed to the standard required in the workplace and meet the design brief.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- workplace quality policies and standards for basic computer design projects
- processes for using hardware and software systems for basic computer design projects
- features of plans and elevations
- techniques for reading and interpreting briefs for simple structures.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

This unit must be assessed while undertaking workplace tasks:

- in the workplace or a close simulation of the workplace environment, provided that simulated or project-based assessment techniques replicate construction workplace conditions, materials, activities, responsibilities and procedures
- using realistic tasks or simulated tasks, relevant specifications and work instructions, standard work practices, safety requirements and environmental constraints.

Links

Companion Volume Implementation Guide:
https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad