CUAACD302 Produce computer-aided drawings
CUAACD302 Produce computer-aided drawings

Modification History

<table>
<thead>
<tr>
<th>Release</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release 1</td>
<td>This version first released with CUA Creative Arts and Culture Training Package version 2.0.</td>
</tr>
</tbody>
</table>

Application

This unit describes the skills and knowledge required to use a range of computer-aided design and drafting (CADD) program functions to produce drawings. The focus of this unit is on the technical skills required to operate CADD, not on design skills.

It applies to individuals who use computer-aided drawing skills in various contexts.

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

Unit Sector

Visual communication – art, craft and design

Elements and Performance Criteria

<table>
<thead>
<tr>
<th>ELEMENT</th>
<th>PERFORMANCE CRITERIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elements describe the essential outcomes.</td>
<td>Performance criteria describe the performance needed to demonstrate achievement of the element.</td>
</tr>
</tbody>
</table>

1. Prepare for computer-aided drawing work

1.1 Clarify drawing requirements in concept or project information
1.2 Identify hardware, software, tools and equipment required for computer-aided design and drafting projects
1.3 Set up hardware and software according to operating instructions and organisational procedures
1.4 Identify and retrieve digitised information relevant to projects

2. Gather object parameters and/or measurements

2.1 Establish and record critical dimensions and data for required designs
2.2 Identify requirements in relation to accuracy, tolerances and other key information

3. Prepare plots or

3.1 Access and use CADD functions and features according to
### ELEMENT PERFORMANCE CRITERIA

<table>
<thead>
<tr>
<th>ELEMENT</th>
<th>PERFORMANCE CRITERIA</th>
</tr>
</thead>
</table>
| drawings               | operating instructions  
3.2 Access and use peripheral equipment required for projects  
3.3 Prepare and review preliminary drawings in consultation with relevant people |
| 4. Finalise drawings   | 4.1 Check designs against project objectives and specifications according to organisational procedures  
4.2 Identify and make required adjustments to designs based on review and consultation with relevant people  
4.3 Store data files according to operating instructions and organisational procedures  
4.4 Submit final drawings within agreed time parameters |

### Foundation Skills

*This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.*

<table>
<thead>
<tr>
<th>Skill</th>
<th>Performance Criteria</th>
<th>Description</th>
</tr>
</thead>
</table>
| Reading                  | 1.1, 1.2, 1.3, 1.4, 2.2, 3.1, 4.1 | • Interprets and evaluates detailed information, instructions and technical specifications in a range of formats to prepare for and produce computer aided drawings  
• Reviews accuracy of drawings against specifications and project information |
| Writing                  | 2.1, 2.2             | • Records key design information using correct conventions and terminology                                                                 |
| Oral Communication       | 1.1, 3.3             | • Uses questioning and careful listening to elicit information and opinions from others                                                                 |
| Numeracy                 | 2.1, 2.2, 3.1        | • Identifies and records measurements and other numerically expressed specifications required for drawings  
• Operates numerical functions of computer aided drawing equipment to produce drawings to accurate scale and measurements |
| Navigate the world of work | 1.3, 4.1, 4.3   | • Takes responsibility for following necessary organisational procedures when planning and |
Range of Conditions

This section specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

CADD functions and features must include:

- drawing tools to support methods for drawing:
  - lines
  - arcs
  - polylines
  - texts
  - dimensions
- edit functions
- plotting and printing
- view displays
- working with layers.

Unit Mapping Information

<table>
<thead>
<tr>
<th>Code and title current version</th>
<th>Code and title previous version</th>
<th>Comments</th>
<th>Equivalence status</th>
</tr>
</thead>
<tbody>
<tr>
<td>CUAACD302 Produce computer-aided drawings</td>
<td>CUVACD302A Produce computer-aided drawings</td>
<td>Updated to meet Standards for Training Packages and clarify intent.</td>
<td>Equivalent unit</td>
</tr>
</tbody>
</table>
Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=1db201d9-4006-4430-839f-382ef6b803d5