

**Specification of Competency Standards for the Jewellery Industry**  
**Unit of Competency**

1. Title	Know about computer-aided design softwares for jewellery products
2. Code	JLZZDE206A
3. Range	This unit of competency is applicable in jewellery companies or worksites. Practitioners should be capable to apply computer-aided softwares to design jewellery products under instruction.
4. Level	2
5. Credit	4
6. Competency	<p align="center"><u>Performance Requirements</u></p> <p>6.1 Understand the principles of computer drawing</p> <ul style="list-style-type: none"> <li>◆ Know about various computer drawing principles, such as: bitmap graphics and vector graphics in 2-D design; the difference between curved surface design, network surface design and physical design in 3-D design</li> <li>◆ Know about various computer drawing tools and their applications, such as: pen tools, morphing, path management, copy and paste, etc.</li> <li>◆ Know about the photo-realistic images produced by softwares</li> <li>◆ Know about different types of output files and manage the output files with numerical control machining and rapid prototyping</li> </ul> <p>6.2 Apply computer-aided softwares in the design of jewellery</p> <ul style="list-style-type: none"> <li>◆ Master various kinds of computer drawing design softwares</li> <li>◆ Apply various kinds of computer drawing tools to design and draw the external appearance of basic jewellery products under instruction</li> <li>◆ Know about the image effect of virtual reality photos produced by computer softwares to produce virtual reality photos under instruction</li> </ul>

	<p style="text-align: center;">◆ Know about different types of output files and manage them under instruction</p>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>(i) Capable to know about the principle of applying computer-aided softwares in the design of jewellery; and</li> <li>(ii) Assist in designing and drawing the basic external appearance of jewellery, produce virtual realistic photos and manage file output under instruction.</li> </ul>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person concerned already possesses the capability to draw structural diagram for jewellery by hand.</p>