

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

Functional Area - Design

Title	Make relatively complex jewellery models
Code	108892L4
Range	This unit of competency is applicable to designers working in the jewellery design department of the jewellery industry. Practitioners should be capable of making careful analysis and judgment, and using various materials to make relatively complex jewellery prototypes independently.
Level	4
Credit	6
Competency	<p>Performance Requirements</p> <p>1. Know about the techniques of making jewellery prototypes and models</p> <ul style="list-style-type: none"> <li>• Know about the use of various tools for making jewellery wax models, including carving knife, wax knife, wax file, wax needle file, wax grinding stone, wax mould axis, small crayon and wax welding machine</li> <li>• Know about the craftsmanship, styling techniques and technologies of various jewellery wax models, such as mastering: <ul style="list-style-type: none"> <li>○ Carving techniques</li> <li>○ Filing techniques</li> <li>○ Piercing techniques</li> <li>○ Polishing techniques</li> <li>○ Hollow chiselling techniques</li> <li>○ Pellet shaping techniques</li> <li>○ Bending techniques</li> <li>○ Welding techniques</li> <li>○ Wax dropping techniques</li> </ul> </li> <li>• Know about the functions of other kinds of materials for making jewellery metal models, such as metal plates, metal wires and metal strips</li> <li>• Know about various kinds of basic goldsmithing skills</li> </ul> <p>2. Make relatively complex jewellery models and prototypes</p> <ul style="list-style-type: none"> <li>• Produce 3-D jewellery models and make use of the texture of the jewellery plus gemstones or materials that meet the size and shape of the design to fully display the design characteristics, such as the appearance, structure, materials and surface treatment of the jewellery; and present the wax/metal models equivalent to the real objects</li> </ul> <p>3. Professionalism</p> <ul style="list-style-type: none"> <li>• Following the requirements of the organization, code of practice and safety guidelines, perform duties related to making relatively complex jewellery display models with a professional attitude</li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>• Able to make relatively complex jewellery models independently to display the features, texture and colours of the external design; and</li> <li>• Make jewellery wax/metal models that can reflect the characteristics of the real objects so that the jewellery models can be used for displaying, discussing business matters and communicating with customers.</li> </ul>
Remark	