

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

1. Title	Apply technologies relevant to jewellery products
2. Code	JLZZRD301A
3. Range	This unit of competency is applicable in jewellery manufacturing workplaces. Practitioners should be capable to master and apply modern technologies for the development of jewellery products, so as to facilitate product development or refine job duties relevant to information gathering, analysis and tests.
4. Level	3
5. Credit	6
6. Competency	<p align="center"><u>Performance Requirements</u></p> <p>6.1 Know about the technologies relevant to the development of jewellery products</p> <ul style="list-style-type: none"> <li>◆ Know about modern technologies relevant to the development of jewellery products and its application</li> </ul> <p>6.2 Apply technologies relevant to the development of jewellery products</p> <ul style="list-style-type: none"> <li>◆ Capable to employ the following technologies to facilitate the development of jewellery products or refine job duties relevant to information gathering, analysis and tests <ul style="list-style-type: none"> <li>• Material technology <ul style="list-style-type: none"> <li>▸ Make suitable choice of materials and introduce improved or newly developed materials to develop new products</li> </ul> </li> <li>• Manufacturing technology <ul style="list-style-type: none"> <li>▸ Employ appropriate manufacturing technology to improve or develop new products</li> <li>▸ Capable to employ suitable technologies for the purposes of information gathering, analysis and deduction to facilitate product development</li> </ul> </li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• Supplementary technologies for product research and development <ul style="list-style-type: none"> <li>▸ Gather information and analyze supplementary technologies</li> <li>▸ Capable to employ relevant supplementary technologies, such as: computer-aided design, computer-aided analysis, rapid prototyping and different testing technologies for the research and development of jewellery products</li> </ul> </li> </ul>
7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to master the technology relevant to the development of jewellery products, such as: material technology, manufacturing technology and supplementary technologies for product research and development, so as to facilitate product development or refine job duties relevant to information gathering, analysis and test.</p>
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person concerned already possesses basic knowledge about the technologies relevant to the research and development of jewellery products.</p>