

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

Functional Area - Material Development

|                     |   |
|---------------------|---|
| Title               | Explore development in material technology  |
| Code                | 110265L5  |
| Range               | Explore the latest development in fashion material technology. This applies to individuals who are required to research the development of material technology so as to identify opportunities or get inspiration for material development.   |
| Level               | 5   |
| Credit              | 4   |
| Competency          | <p>Performance Requirements</p> <p>1. Knowledge in the subject area</p> <p style="padding-left: 40px;">Be able to</p> <ul style="list-style-type: none"> <li>• state sources of information for exploring the development in material technology (e.g. from literature, internet and observation)</li> <li>• employ a variety of research and investigation techniques for exploring the development of material technology</li> <li>• possess extensive and in-depth technical knowledge of material technology</li> </ul> <p>2. Application and process</p> <p style="padding-left: 40px;">Be able to</p> <ul style="list-style-type: none"> <li>• establish the scope and purpose of exploring new material technology</li> <li>• identify sources or events that showcase the latest material technology</li> <li>• visit the sources or events to collect information on new material technology</li> <li>• analyse and compare the new material technology with existing technologies in terms of features, benefits and limitations</li> <li>• identify opportunities that the new material technology can be applied for developing new materials</li> <li>• liaise with related parties for chances of collaboration and make recommendation for further action if there is any</li> </ul> <p>3. Exhibit professionalism</p> <p style="padding-left: 40px;">Be able to</p> <ul style="list-style-type: none"> <li>• critically assess the impacts of new material technology in the fashion market and industry</li> <li>• demonstrate innovativeness and creativity to translate the new material technology into the innovative materials demanded by customers</li> </ul> |
| Assessment Criteria | <p>The integrated outcome requirements of this UoC are the abilities to accomplish:</p> <ul style="list-style-type: none"> <li>• Exploration of new material technology and identification of opportunities for application on material development.</li> </ul>   |
| Remark              |   |