

**Specification of Competency Standards**  
**for the Beauty and Hairdressing Industry**  
**Unit of Competency**

Unit of Competency is applicable across different functional areas

Title	Mastering the principles and instrument functionality of high-intensity focused ultrasound (advanced theory)
Code	110399L4
Range	Master the advanced theories of the principles and instrument's functionality of high-intensity focused ultrasound, and able to correctly answer customer queries about the scope of application and principles of high-intensity focused ultrasound aesthetic treatment services, at workplace related to aesthetic procedures.
Level	4
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Understand the advanced theories of the principles of high-intensity focused ultrasound</p> <ul style="list-style-type: none"> <li>• Learn about the time sequence of tissue responses, including: immediate contraction and rearrangement of proteins, delayed inflammation and production of new collagen</li> <li>• Understand the relationship between temperature and protein contraction, denaturation and regeneration</li> <li>• Understand the types of collagen proliferation brought by the treatment, including: Type 1, Type 3, etc.</li> <li>• Understand the changes in the skin environment and the interaction of factors after the treatment</li> <li>• Understand and perform high-intensity focused ultrasound and its related complementary treatments, such as radio frequency aesthetic treatments, etc.</li> </ul> <p>2. Apply the advanced theories of the effects of aesthetic instrument using high-intensity focused ultrasound</p> <ul style="list-style-type: none"> <li>• Recognize and evaluate the application scope and principles of related treatments, such as neck rejuvenation, shoulder rejuvenation, stretch marks/wrinkle treatment, fat reduction, atrophic scars/scars, etc.</li> <li>• Understand the advanced theories of different forms of high-intensity focused ultrasound</li> <li>• Distinguish the characteristics of different types of high-intensity focused ultrasound and their advantages and disadvantages</li> </ul>
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>• Capable to master the principles of high-intensity focused ultrasound, and advanced functions and theories of the instrument</li> <li>• Capable to understand the advanced application of high-intensity focused ultrasound aesthetic treatments</li> <li>• Capable to understand and perform operation principle of different types of high-intensity focused ultrasound</li> </ul>
Remark	<p>The credit value of this unit of competency is set on the presumption that the person already possesses the competency of the following units:</p> <ul style="list-style-type: none"> <li>• 106898L1 [Understanding skin structure and common problems]</li> <li>• BEZZCN109A [Understanding basic human structure and physiological system]</li> <li>• BEZZCN210A [Identifying various skin types and how to care for different skin types]</li> <li>• 110398L3 [Mastering the basic knowledge of high-intensity focused ultrasound]</li> <li>• 110390L3 [Understanding the mechanism of using aesthetic products with common aesthetic treatments]</li> </ul>