

WSQ Precision Engineering Advanced Certificate

WSQ COURSE NAME : **Apply Integrated Machining Technologies – Intermediate**
PRODUCT COURSE NAME : **Fixed Axis Techniques**
TRAINING DURATION : **3 x 8hrs sessions**

* Creditable for QUT Master program and Continuing Development (CPD) courses offered by the Professional Engineers Board (PEB) Singapore.

*** Singaporeans and Permanent Residents may receive up to 90% funding on course fees from the Singapore Workforce Development (WDA). Terms and conditions apply.**

OBJECTIVES

This Competency Standard propels the NC/CNC programmer to an advanced level of the manufacturing processes of NX used in machining 2 ½ - 3-axis contouring applications. In addition, the user will become skilled in the operational techniques of high speed machining methods and use of the WAVE Geometry linker.

The Standard focuses on the concept of WAVE Geometry linker, contouring applications and the operational techniques of high speed machining methods.

WHO SHOULD ATTEND

This Competency Standard is intended for CAM/ Manufacturing/ Tool Room Engineers and Managers.

PRE-REQUISITES

Participants are required to have a basic understanding of manual NC/CNC programming methods. They must have completed the following modules:

- Develop Product in Virtual Environment – Basic.
- Apply Integrated Machining Technologies – Basic

COURSE SYLLABUS

- Overview
- Wave geometry linker
- Advanced cavity milling
- Plunge milling
- Z level machining
- NC assistant
- High speed machining concepts
- Fixed contour applications
- Streamline drive method



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Each course chapter is followed by "hands-on" workshops and exercises.

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