

NX CAM

Fixed-axis and Multi-axis Milling

course code	TR11080
user level	Intermediate to Advanced
duration	4 days

The **Fixed-axis and Multi-axis Milling** course is designed for NC/CNC programmers who machine simple or complex parts with fixed and variable tool capabilities. Students will learn how to create fixed and variable axis tool paths. You will also be introduced to NX workflows for machining contoured parts, high-speed machining methods, milling holes and threads, milling turbine blade type parts, and on machine probing.

WHO SHOULD ATTEND	PRIMARY COURSE TOPICS
<ul style="list-style-type: none"> Manufacturing engineers CAD/CAM managers Multi-axis NC/CNC programmers Users of 3, 4 and 5-axis machines for milling complex prismatic and contour type parts are encouraged to attend 	<ul style="list-style-type: none"> Overview Plunge Milling Z-Level Milling High-speed Machining Fixed-axis Contour Milling Introduction to 4 and 5-axis Machining 5-axis Z-Level Sequential Mill basics Sequential Mill advanced Variable axis Contour Milling Profiling walls with a variable tool axis Non Cutting Moves Wave Geometry Linker in Manufacturing Turbomachinery Milling Refixturing and the In Process Workpiece Hole Milling and Thread Milling Generic Motion and Probing operations
PREREQUISITES	
<p>Required courses:</p> <ul style="list-style-type: none"> NX Manufacturing Fundamentals (TR11021) <p>Other recommendations:</p> <ul style="list-style-type: none"> A thorough understanding of NC/CNC programming principles and of manual 3-, 4-, and 5-axis NC/CNC programming methods and procedures. 	
PROVIDED COURSE MATERIALS	
<ul style="list-style-type: none"> Student Guide Activity Material 	