

**NX CAM**  
**Turning Manufacturing Process**

course code TR11055  
user level Beginner to Intermediate  
duration 3 days

**Turning Manufacturing Process** is the core turning class designed to convey concepts, functionality, and application of the turning module. Turning Manufacturing Process is taught from the perspective of an NC/CNC programming session and emphasizes programming concepts and techniques which take advantage of the latest developments in turning equipment and technology.

WHO SHOULD ATTEND	PRIMARY COURSE TOPICS
<ul style="list-style-type: none"> <li>Manufacturing engineers</li> <li>NC/CNC programmers</li> </ul>	<ul style="list-style-type: none"> <li>Defining part and blank geometry</li> <li>Retrieving and creating tools</li> <li>Facing operations</li> <li>Tool Path Verification</li> <li>Common options</li> <li>Centerline operations</li> <li>Roughing operations – OD</li> <li>Roughing operations – ID</li> <li>Finish operations OD and ID</li> <li>Grooving</li> <li>Teach mode</li> <li>Threading operations</li> <li>Using Multiple Spindles</li> <li>Mill-turn</li> <li>Merging lathes</li> <li>Vertical turret lathe</li> </ul>
PREREQUISITES	
Required courses: <ul style="list-style-type: none"> <li>NX Manufacturing Fundamentals (TR11021)</li> </ul> Other recommendations: <ul style="list-style-type: none"> <li>A thorough understanding of NC/CNC programming principles and a thorough understanding of NC/CNC machine/controller functionality</li> </ul>	
PROVIDED COURSE MATERIALS	
<ul style="list-style-type: none"> <li>Student Guide</li> <li>Activity Material</li> </ul>	