

NX CAD
Progressive Die Wizard

course code TR19010
user level Intermediate to Advanced
duration 5 days

Expert NX tool designers will acquire the skills to significantly reduce progressive die design lead time through **Progressive Die Wizard** automation. The curriculum mimics common tasks used in die construction and is reinforced using hands-on activities. Additionally, students are introduced to customization techniques needed to fully realize the potential of the Progressive Die Wizard libraries.

WHO SHOULD ATTEND	PRIMARY COURSE TOPICS
Progressive die designers & product design engineers who create progressive die tooling using the Progressive Die Wizard software application	<ul style="list-style-type: none"> • Direct unfolding • Assign material • Blank nesting/layout • Strip layout • One-step Unforming to create free form blanks • Assign stations • Simulate process • Manual simulation process for free form parts • Calculate force • Punch and Die insert design • Die Base and Standard Part additions • Drawing automation
PREREQUISITES	
Required courses: <ul style="list-style-type: none"> • Essentials for NX Designers (TR10051) • Intermediate NX Design and Assemblies (TR10056) Or <ul style="list-style-type: none"> • Introduction to NX for Experienced Users (TR13155) Other requirements: <ul style="list-style-type: none"> • Have a basic understanding of progressive die design Other recommendations: <ul style="list-style-type: none"> • It would be helpful to take the NX Sheet Metal course, but it is not required • Understand these concepts: modeling in NX, and NX assembly concepts. • Have a working knowledge of the NX interface, sketch creation and NX assemblies 	
PROVIDED COURSE MATERIALS	
<ul style="list-style-type: none"> • Student Guide • Activity Material 	