

# Portfolio Requirements Manufacturing Technology

---

Freshmen Year	
Trimester 2	Nims Project ( Machine) Scrolled trivet (Welding/Metal Fab.)
Trimester 3	Nims Project ( Machine) Scrolled trivet (Welding/Metal Fab.)
Additional Projects	G2 Mill Project

Sophomore Year	
Trimester 1	Cap Stone Project (Machine) Small tool box (Welding/Metal Fab.)
Trimester 2	Cap Stone Project (Machine) Small tool box (Welding/Metal Fab.)
Trimester 3	G2 Milling Project (Machine)
Additional Projects	Advanced G2 Milling Project (Machine)

Junior Year	
Trimester 1	Cap Stone Project (Machine) Out of position All processes
	Cap Stone Project (Machine) Intro to structural welding
Trimester 2	CNC G-Code Lathe (Machine) Code D1.1 limited 3/8" plate
	CNC G-Code Mill (Machine) Open root & Basic GTAW Aluminum
Trimester 3	Mastercam CAD/CAM Design Project
Additional Projects	Mastercam CAD/CAM Design Project

Senior Year	
Trimester 1	Cap Stone Project (Machine) Welding certification training
Trimester 2	Cap Stone Project (Machine) D1.1 limited & unlimited training
Trimester 3	Advanced CAD/CAM & CNC Set-up Open root SMAW,GMAW,GTAW
Additional Projects	Advanced CAD/CAM & CNC Set-up Advanced GTAW aluminum welding