



## Curriculum Plan 2025-2026

**Program:** Precision Machining Technology

**CTSO Primary:** SkillsUSA 3

**CTSO Secondary:** SkillsUSA 3

**Pathway:** R7

**WebXam:** 28MC

### Courses Offered

#### Level 1 Curriculum

Semester 1 Machine Tools

Semester 1 Machining With Industrial Lathes

Semester 2 Machining With Industrial Lathes

Semester 2 Manufacturing Operations

#### Level 2 Curriculum

Semester 1 Machining With Industrial Mills

Semester 2 Cnc Tec With Industrial Mills & Lathes

#### Level 2-Pre-Internship 2 Week Rotation Curriculum

Semester 1 Pre-apprenticeship

Semester 2 Pre-apprenticeship

Semester 1 Machining With Industrial Mills

Semester 2 Machining With Industrial Mills

#### Level 2-Advanced Placement Curriculum

Semester 2 Manufacturing Capstone

### College Credits Available

Name	College	Semester Hours Available
CTMET004 Manufacturing Operations, ODE Course Number 175003	CTAG	3
CAM 1107 Principles of Manufacturing	Sinclair College	3
CAM 1109 Fundamentals of Tooling & Machining	Sinclair College	3

## Credentials Available

Name	ODE Points Available
NIMS: Turning I (Chucking Skills)	6
NIMS: Milling I	6
NIMS: Job Planning Benchwork & Layout	6
Ohio State Apprenticeship Council Recognized Pre-Apprenticeship Program Certificate of Completion - Manufacturing	12
Ohio Driver's License (Self Obtained)	1
Autodesk Certified Associate in CAM for 2.5 Axis Milling	4
NIMS: CNC Lathe Operations	6
NIMS: CNC Mill Operations	6
NIMS: CNC Lathe Programming Setup & Operations	6
NIMS: CNC Mill Programming Setup & Operations	6
Autodesk Certified Associate in CAM for Turning	4