



Curriculum Plan 2024-2025

Program: Robotics and Automation

CTSO Primary: SkillsUSA 2

CTSO Secondary: SkillsUSA 2

Pathway: F6

WebXam: 26MC

Courses Offered

Level 1 Curriculum

Semester 1 Manufacturing Operations

Semester 2 Principles Of Manufacturing

Level 2 Curriculum

Semester 1 Engineering Principals

Semester 2 Industrial Robotics

Level 2-Pre-Apprenticeship 2 Week Rotation Curriculum

Semester 1 Pre Apprenticeship

Semester 2 Pre Apprenticeship

Semester 1 Engineering Principals

Semester 2 Engineering Principals

Level 2-Advanced Placement Curriculum

Semester 2 Engineering Capstone

College Credits Available

Name	College	Semester Hours Available
MET 1131 PC Applications for Engineering Technology	Sinclair College	1
EGR 2252 Teach Pendant Robot Programming	Sinclair College	2
MET 1301 SolidWorks Basics	Sinclair College	4

Credentials Available

Name	ODE Points Available
Ohio Driver's License	1
Motoman FS100/DX100 Basic Programming w/Material Handling/Yaskawa FS100	6
FANUC Handling Tool Operation & Programming	6
Allen Bradley PLC	6
Certified SolidWorks Associate (CSWA)	4
Ohio State Apprenticeship Council Recognized Pre-Apprenticeship Program Certificate of Completion	12