



## 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 (Self Obtained)	1
Motoman DX100 Basic Programming w/Material Handling	6
Fanuc - Handling Tool Operation & Programming J2P0310 IACT Approved	6
Programmable Logic Controllers Certification - Allen Bradley	6
Certified SolidWorks Associate (CSWA)	4
Ohio State Apprenticeship Council Recognized Pre-Apprenticeship Program Certificate of Completion	12