MIAMI VALLEY CAREER TECHNOLOGY CENTER

Curriculum Plan 2026-2027

Program: Pre-Engineering

CTSO Primary: SkillsUSA 2

CTSO Secondary: N/A

Pathway: F6

WebXam: 26MC

Courses Offered

Level 1 Curriculum

Semester 1 Engineering Design

Semester 2 Engineering Logic

Level 2 Curriculum

Semester 1 Engineering Principles

Semester 2 Dc Electronic Circuits

Level 2-School-to-Work Half Day Curriculum

Semester 1 Pre-apprenticeship

Semester 2 Pre-apprenticeship

College Credits Available

Name	College	Semester Hours Available
CTEGT002 Engineering Graphics, ODE Course 175001 (Engineering Design)	CTAG	3
MET 1231 Introduction to Engineering Design Using 3D CAD	Sinclair College	4
MET 1301 SolidWorks Basics	Sinclair College	4

Credentials Available

Name	ODE Points Available
Autodesk Inventor Certified User Certification	4
AutoCAD User	4
Ohio State Apprenticeship Council Recognized Pre-Apprenticeship Program Certificate of Completion - Engineering	12
Ohio Driver's License (Self Obtained)	1
Certified SolidWorks Associate (CSWA)	4