

Sinclair Community College

Mechanical Engineering Technology

AAS

REQUIRED COURSES:	Sem. Hours	ODE Course Aligned
First Semester, First Year		
ENG 1101 English Composition I	3	
CAM 1109 Fundamentals of Tooling & Machining*	3	176004
MET 1371 CAD Concepts using AutoCAD	3	175001
MAT 1470 College Algebra	4	
MET 1111 preparatory Math for Engineering Technology	3	
MET 2711 Ethics for Engineering Technology Professionals	1	
Second Semester, First Year		
COM 2211 Effective Public Speaking	3	
MAT 1580 Precalculus	5	
MET 1161 Software Tools for Engineering Technology	1	
MET 1231 Introduction to Drafting & Design using Inventor*	4	(IED) 175001
MET 1241 Principles of Engineering*	2	(POE) 175002
MET 2301 Fluid Mechanics	3	
First Semester, Second Year		
MET 1281 Engineering Design & Development*	2	
MET 1301 SolidWorks Basics	3	
PHY 1141 College Physics I	4	
MET 2101 Thermodynamics	3	
MET 2151 Material Science	3	
OTM Social & Behavioral Sciences Elective	3	
Second Semester, Second Year		
MET 2201 Statics	3	
MET 2251 Strength of Materials	3	
MET 2351 Dynamics	3	
MET 2401 Machine Design	3	
MET 2780 Mechanical Engineering Technology Capstone	3	

*Denotes course aligned for articulated credit, via method established on bilateral agreement

PATHWAY TAB INFORMATION

Course Name	Postsecondary Institution	Credit Type
CAM 1109 Fundamentals of Tooling & Machining	Sinclair Community College	Bilateral
MET 1371 CAD Concepts using AutoCAD	Sinclair Community College	CTAG
MET 1231 Introduction to Drafting & Design using Inventor	Sinclair Community College	Bilateral
MET 1241 Principles of Engineering	Sinclair Community College	Bilateral

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Credit Hours

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