

Sinclair Community College

Mechanical Engineering Technology

AAS

MEGT.S.AAS

REQUIRED COURSES:	Sem. Hours	ODE Course Aligned	CTAN
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	CTMET005
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	(EDD) 175009	
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	Credit Hours
CAM 1109 Fundamentals of Tooling & Machining	Sinclair Community College	Bilateral	3
MET 1371 CAD Concepts using AutoCAD	Sinclair Community College	CTAG	3
MET 1231 Introduction to Drafting & Design Using Inventor (IED)	Sinclair Community College	Bilateral	4
MET 1241 Principles of Engineering (POE)	Sinclair Community College	Bilateral	2
MET 1281 Engineering Design & Development (EDD)	Sinclair Community College	Bilateral	2