

Sinclair Community College

Computer Aided Manufacturing/CNC 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	
CAM 1141 Shop Floor Calculations I*	3	
MET 1131 Personal Computer Applications for Engineering Technology	1	
CAM 1107 Principles of Manufacturing*	3	
CAM 1116 Fundamentals of Computer Numerical Control	3	

Second Semester, First Year		
OTM Arts and Humanities Elective	3	
CAM 1214 Computer Numerical Control Mill Programming	3	
CAM 1142 Shop Floor Calculations II	3	
OPT 1100 Tooling and Machining Metrology*	2	
OTM Social and Behavioral Science Elective	3	

First Semester, Second Year		
CAM 2114 Jig and Fixture Design	3	
CAM 2145 Shop Floor Programming	3	
CAM 1110 Advanced Machine Operations*	3	
MAT 1110 Math for Technologists*	3	
OPT 1113 Coordinate Measurement	3	

Second Semester, Second Year		
CAM 2212 Computer Assisted Programming	3	
CAM 2204 Computer Numerical Control Lathe Programming	3	
Cam 2225 Tool Design	3	
COM 2206 Interpersonal Communication	3	
Cam 2780 Computer Aided Manufacturing 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 and Machining	Sinclair Community College	Bilateral
CAM 1141 Shop Floor Calculations I	Sinclair Community College	Bilateral
CAM 1107 Principles of Manufacturing	Sinclair Community College	Bilateral
OPT 1100 Tooling and Machining Metrology	Sinclair Community College	Bilateral
CAM 1110 Advanced Machine Operations	Sinclair Community College	Bilateral

CAMCT.S.AAS

CTAN (if Applicable)

Credit Hours
3
3
3
3
3