



**PROGRAM OF STUDY PATHWAY TEMPLATES 2017-2018 \***

**COLLEGE:** Sinclair College

**ODE CAREER FIELD:** Manufacturing Technologies

**ODE PATHWAY:** Manufacturing Operations

**SINCLAIR PROGRAM:** Computer Aided Manufacturing/Project STEP II

30-34 Credit Hours - One Year Technical Certificate

CAMPS.S.CRT

<b>HIGH SCHOOL</b>	<b>Freshman</b>	English I (1)	Algebra & Geometry or Algebra I (1)	Physical Science (1)	Social Studies (1)	Health (.5) Physical Education (.5)	Career Field Exploration	Fine Arts/Foreign Language/Business Elective (1)
	<b>Sophomore</b>	English II (1)	Geometry or Algebra II (1)	Biology or Life Science (1)	US History (1)	Technology Elective (1)	Career Pathway Foundation	Fine Arts/Foreign Language/Business Elective (1)
	<b>Junior</b>	English III (1)	Algebra II / Adv Algebra II & Trigonometry (1)	Advanced study in Life or Physical Science <b>OR</b> Earth/Space Science (1)	US Govt (.5) Economics and Financial Literacy Social Studies Elective (.5)	Career Tech Manufacturing Technologies (1)	Career Tech Manufacturing Technologies (1)	Career Tech Manufacturing Technologies (1)
	<b>Senior</b>	English IV (1)	College Math or Calculus (1)	Physics (1)	Psychology, Sociology or Social Studies Elective (1)	Career Tech Manufacturing Technologies (1)	Career Tech Manufacturing Technologies (1)	Career Tech Manufacturing Technologies (1)

Take ACT, SAT, or required Sinclair placement test. Visit Sinclair academic advising. Earn high school diploma. Complete pathway as designed.

<b>COLLEGE</b>	<b>1st Semester</b>	CAM 1107 Principles of Manufacturing (3)	CAM 1141 Shop Floor Calculations I (3)	CAM 1161 Machine Operations Laboratory I (8)	MET 1131 Personal Computer Applications for Engineering Technology (1)	OPT 1100 Tooling & Machining Metrology (2)		
	<b>2nd Semester</b>	CAM 1116 Fundamentals of Computer Numerical Control Operations (3)	CAM 1142 Shop Floor Calculations II (3)	CAM 1162 Machine Operations Laboratory II (8)	<b>OR</b> CAM 2700 Computer Aided Manufacturing Internship (4)	CAM 2145 Shop Floor Programming (3)		

• = Courses guaranteed to transfer to Ohio's public institutions of higher education

■ Indicates eligible college course opportunities via Proficiency credit or Articulated Award credit.

■ Indicates Career-Technical Assurance Guides (CTAG)-approved transfer credit. The high school or career center is responsible for sending the proper documentation, along with the Verification of Course/Program Completion form to the college in order for credits to be posted on a student's transcript.

Required Courses (credit hours)

Recommended Elective Courses

revised: 10/7/2017

**Please note: This template does not provide department approved course sequences for students to follow. That is, the courses may be presented out of order. It is best for students to consult with an academic advisor in order to plan a semester by semester course schedule in order to meet the requirements for their certificates and degree programs.**