



**COLLEGE:** Sinclair College

**PROGRAM OF STUDY PATHWAY TEMPLATES 2019-2020 \***

**ODE CAREER FIELD:** Manufacturing Technologies

**ODE PATHWAY:** Manufacturing Operatinos

**SINCLAIR PROGRAM:** Measurement & Calibration

18 Credit Hours - Short Term Certificate

MTCAL.S.STC

<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>	OPT 1100 Tooling & Machining Metrology (2)	MET 1131 Personal Computer Applications for Engineering Technology (1)	CAM 1107 Principles of Manufacturing (3)	OPT 1101 Introduction to Operations (3)	OPT 1112 World Class Quality Systems & Procedures (4)		
	<b>2nd Semester</b>	OPT 1113 Coordinate Measurement (3)	OPT 2201 Statistical Process Control (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: 7/22/2019

**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.**