MIAMI VALLEY **TECHPREP** CONSORTIUM
A great way to go to college!

SINCLAIR COLLEGE

PROGRAM OF STUDY PATHWAY TEMPLATES 2019_2020 ✳

COLLEGE: Sinclair College

ODE CAREER FIELD: Manufacturing Technologies
ODE PATHWAY: Manufacturing Operations
SINCLAIR PROGRAM: **Computer Numerical Control Technology**
24 Credit Hours - Short Term Certificate

CNC.S.STC

HIGH SCHOOL	**Freshman**	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)
	Sophomore	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)
	Junior	English III (1)	Algebra II / Adv Algebra II & Trigonometry (1)	Advanced study in Life or Physical Science **OR** 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)
	Senior	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.

COLLEGE	**1st Semester**	CAM 1109 Fundamentals of Tooling & Manufacturing (3)	MAT 1110 Math for Technologists (3)	MET 1131 Personal Computer Applications for Engineering Technology (1)	CAM 1107 Principles of Manufacturing (3)	CAM 2204 Computer Numerical Control Lathe Programming (3)		
	2nd Semester	OPT 1100 Tooling & Machining Metrology (2)	CAM 1214 Computer Numerical Control Mill Programming (3)	CAM 1116 Fundamentals of Computer Numerical Control Operations (3)	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: 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.