



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

**COLLEGE:** Sinclair College

**ODE CAREER FIELD:** Manufacturing Technologies

**ODE PATHWAY:** Manufacturing Operations

**SINCLAIR PROGRAM:** Computer Aided Manufacturing Precision Machining

17 Credit Hours - Short Term Certificate

CAMP.M.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)<br>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)<br>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)       |
| <b>Take ACT, SAT, or required Sinclair placement test. Visit Sinclair academic advising. Earn high school diploma. Complete pathway as designed.</b>   |                     |   |  |  |   |  |  |  |
| <b>COLLEGE</b>   | <b>1st Semester</b> | CAM 1107<br>Principles of Manufacturing (3)     | CAM 1141<br>Shop Floor Calculations I (3)      | MET 1131<br>Personal Computer Applications for Engineering Technology (1)    |   |  |  |  |
|  | <b>2nd Semester</b> | CAM 1161<br>Machine Operations Laboratory I (8) | OPT 1100<br>Tooling & Machining Metrology (2)  |  |   |  |  |  |
| ● = 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.**