

COLLEGE: Sinclair College

ODE CAREER FIELD: Manufacturing Technologies

ODE PATHWAY: Manufacturing Operations

SINCLAIR PROGRAM: Quality Control Technology

30 Credit Hours - One Year Technical Certificate

QCT.S.CRT

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| 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.

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| COLLEGE | 1st Semester | OPT 1100 Tooling & Machining Metrology (2) | OPT 1112 World Class Quality Systems & Procedures (3) | CAM 1107 Principles of Manufacturing (3) | MET 1131 Personal Computer Applications for Engineering Technology (1) | | | |
| | 2nd Semester | OPT 1113 Coordinate Measurement (3) | OPT 1101 Introduction to Operations (3) | • MAT 1110 Math for Technologists (3) | OPT 1130 Lean Operations (3) | | | |
| | 3rd Semester | OPT 2240 Six Sigma: Green Belt (3) | OPT 2201 Statistical Process Control (3) | • COM 2211 Effective Public Speaking (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.