

Cincinnati State Technical and Community College

Mechanical Engineering Manufacturing Management

AAS

| REQUIRED COURSES: | Semester Hours |
|--|----------------|
| Semester One | |
| MET 100 Introduction to Mechanical Engineering Technology | 2 |
| MET 111 Manufacturing Processes 1 | 3 |
| MET 131 MET Computer-Aided Drafting 1 | 3 |
| ENG 101 English Composition 1 | 3 |
| FYE 1XX First Year Experience Elective | 1 |
| MATXXX Mathematics Elective 1 | 4 |
| Semester Two | |
| MET 132 MET Computer- Aided Drafting 2 | 3 |
| MET 140 Engineering Materials | 3 |
| MET 150 Statics and Strength of Materials for MET | 3 |
| MET 112 Manufacturing Processes 2 | 3 |
| MAT XXX Mathematics Elective 2 | 3 |
| Semester Three | |
| MET 291 Full-Time Cooperative Education 1: Mechanical Engineering Technology 1 | 2 |
| Semester Four | |
| MET 240 Hydraulics and Pneumatics | 3 |
| MET 113 Manufacturing Processes 3 | 3 |
| MET 285 Mechanical Engineering Technology: Capstone Project 1 | 3 |
| EET 101 Electronic Fundamentals 1 | 3 |
| ENG 10X English Composition | 3 |
| Semester Five | |
| MET 230 Quality Control and Six Sigma | 4 |
| PHY 151 Physics1L Algebra and Trigonometry-Based | 4 |
| MET 290 Mechanical Engineering Technology Capstone Project 2 | 3 |
| XXX Arts/Humanities or Social/Behavioral Science Elective | 3 |
| Semester Six | |
| MET 292 Full-time Cooperative Education 2: Mechanical Engineering Technology | 2 |
| ELECTIVES | |
| First Year Experience Electives | |
| FYE100 College Survival Skills | 1 |
| FYE 105 College Success Strategies | 2 |
| FYE 110 Community College Experience | 3 |

English Composition Electives

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|--|---|
| ENG 102 English Composition 2: Contemporary Issues | 3 |
| ENG 104 English Composition 2: Technical Communication | 3 |
| ENG 105 English Composition 2: Business Communication | 3 |

Mathematics Electives (take one of following series)

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| MAT 125 Algebra and Trigonometry & MAT 126 Functions and Calculus or | 3 |
| MAT 251 Calculus 1 and MAT 252 Calculus 2 | 3 |

Arts/Humanities Elective

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| CULT 110 Social Issues in Technology | 3 |
| CULT 200 Introduction to Cultural Studies | 3 |
| OHI 110 Ethics | 3 |
| CULT 105 Issues in Human Diversity | 3 |

PATHWAY TAB INFORMATION

| Course Name | Postsecondary Institution | Credit Type |
|---------------------------------------|--|-------------|
| MET 111 Manufacturing Processes | Cincinnati State Technical and Community College | CTAG |
| MET 131 MET Computer-Aided Drafting 1 | Cincinnati State Technical and Community College | CTAG |
| MET 132 MET Computer-Aided Drafting 2 | Cincinnati State Technical and Community College | Bilateral |
| EET 101 Electronic Fundamentals | Cincinnati State Technical and Community College | Bilateral |

| Hours | |
|-------|---|
| | 3 |
| | 3 |
| | 3 |
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