

OPERATIONS ENGINEERING TECHNOLOGY (AUTOMATED MANUFACTURING)

Certificate(s) may have additional courses that do not overlap with the degree. Please see Certificate program page for complete listing of required courses.

| Code | Title | Credit Hours |
|------------------------------|--|--------------|
| CNST-1750 | Construction Safety | 3 |
| MATH-1530 | College Algebra ² | 4 |
| MET-1100 | Technology Orientation | 2 |
| MET-1120 | Computer Applications and Programming ³ | 2 |
| MET-1230 | Drawing & AutoCAD | 3 |
| Select one of the following: | | 3 |
| ENG-1010 | College Composition I | |
| ENG-101H | Honors College Composition I | |
| EET-1220 | Circuits and Electronics for Automation ⁴ | 3 |
| MET-1400 | | 3 |
| MET-2140 | Manufacturing Automation and Control | 3 |
| MET-2250 | Robotics Operations Certification | 3 |
| MET-2601 | 3D Solid Modeling | 3 |
| MATH-1540 | Trigonometry | 3 |
| MET-2260 | Infrared Robotic Vision | 3 |
| MET-XXXX | Elective | 3 |
| Select one of the following: | | 3 |
| ENG-1020 | College Composition II ⁵ | |
| ENG-102H | Honors College Composition II | |
| Select one of the following: | | 3 |
| PSY-1010 | General Psychology | |
| PSY-101H | Honors General Psychology | |
| PSY-1050 | Introduction to Industrial/Organizational Psychology | |
| MET-2400 | ⁶ | 3 |
| MET-2750 | Technical Operations Management | 3 |
| MET-XXXX | Elective | 3 |
| PHYS-1210 | College Physics I ⁷ | 4 |

² MATH-1610 Calculus I can be used for both MATH-1530 College Algebra and MATH-1540 Trigonometry requirements but an additional 2 credit hours of electives may be needed.

³ IT-2670 C/C++ Programming Language or MET-2550 Engineering Analysis Using MATLAB will be accepted in place of MET-1120 Computer Applications and Programming to meet this requirement.

⁴ EET-1161 Direct Current Circuits may be used to meet this requirement.

⁵ COMM-1010 Fundamentals of Speech Communication may be used to meet this requirement.

⁶ MATH-1410 Elementary Probability and Statistics I or MET-2430 Engineering Probability and Statistics may be used to meet this requirement.

⁷ PHYS-2310 General Physics I may be used to meet this requirement.

Related Degrees and Certificates

- Computer-Aided Drafting (CAD), Certificate of Proficiency
- Computer-Integrated Manufacturing (CIM), Certificate of Proficiency
- Industrial Management Technology, Certificate of Proficiency
- Machine Tools Operation, Certificate of Proficiency
- Quality Control, Certificate of Proficiency
- Operations Engineering Technology with a Concentration in Automated Manufacturing, Associate of Applied Science

Degrees and Certificates

- Operations Engineering Technology (Engineering Management), Associate of Applied Science
- Operations Engineering Technology, Associate of Applied Science