

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
EHST-1351	Safety and Health in the Workplace: OSHA 30 General Industry, OSHA 10 Construction, First Aid/CPR ¹	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 ⁴	3
MET-1400	CNC Programming and Operation	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	Statistical Quality Control ⁶	3
MET-2750	Technical Operations Management	3
MET-XXXX	Elective	3
PHYS-1210	College Physics I ⁷	4

¹ CNST-1750 Construction Safety may be used to meet this requirement.

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 or ENG-2151 Technical Writing 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 (<http://catalog.tri-c.edu/programs/computer-aided-drafting-cad-certificate-proficiency>)
- Computer-Integrated Manufacturing (CIM), Certificate of Proficiency (<http://catalog.tri-c.edu/programs/computer-integrated-manufacturing-cim-certificate-proficiency>)
- Industrial Management Technology, Certificate of Proficiency (<http://catalog.tri-c.edu/programs/industrial-management-technology-certificate-proficiency>)
- Machine Tools Operation, Certificate of Proficiency (<http://catalog.tri-c.edu/programs/machine-tools-operation-certificate-proficiency>)
- Quality Control, Certificate of Proficiency (<http://catalog.tri-c.edu/programs/quality-control-certificate-proficiency>)
- Operations Engineering Technology with a Concentration in Automated Manufacturing, Associate of Applied Science (<http://catalog.tri-c.edu/programs/operations-engineering-technology-concentration-automated-manufacturing-aas>)

Degrees and Certificates

- Operations Engineering Technology (Engineering Management), Associate of Applied Science (<http://catalog.tri-c.edu/programs/operations-engineering-technology-management-aas>)
- Operations Engineering Technology, Associate of Applied Science (<http://catalog.tri-c.edu/programs/operations-engineering-technology-aas>)