

---

## ENGINEERING TECHNOLOGY - DIGITAL MANUFACTURING OPTION

### Engineering Technology - Digital Manufacturing Option, AS

<b>Communications Area</b>	<b>3 Credit Hours</b>
ENC 1101 English Composition I	3
<b>Humanities Area</b>	<b>3 Credit Hours</b>
See General Education Core Requirements	3
<b>Mathematics Area</b>	<b>3 Credit Hours</b>
MAC 1105 College Algebra	3
<b>Natural Sciences Area</b>	<b>3 Credit Hours</b>
See General Education Core Requirements	3
<b>Social Sciences Area</b>	<b>3 Credit Hours</b>
POS 2041 Amer National Government	3
OR	
AMH 2020 United States History II	3
<b>Major Courses</b>	<b>45 Credit Hours</b>
Digital Manufacturing Option (27 hrs.)The purpose of this track is to prepare students for initial employment as a Rapid Prototyping specialist, Digital Manufacturing specialist, industrial designer, product designer, architectural, civil, or mechanical drafter, technician, or detailers in various specialized areas of industry that use digital design and modeling and rapid prototyping, direct digital manufacturing and CNC machining technologies, or to provide supplemental training for persons previously or currently employed in these occupations.	
EET 1084C Introduction to Electronics	3
ETD 1320C Introduction to CAD	3
ETI 1701 Industrial Safety	3
ETI 2110 Intro to Quality Assurance	3
ETI 1420 Manufacturing Processes	3
ETI 2001C Applied Mechanics	3
ETD 2383C Intermediate CAD CAE CAM	3
ETD 2384C Advanced CAD CAE CAM	3
PMT 2250C CNC Programming I	3
PMT 2254C CNC Programming II	3
ETI 2460C Composites Fundamentals	3
ETI 2464C Advanced Composites	3
ETD 2371C Introduction to 3D Printing	3
ETD 2372C Advanced Rapid Prototyping	3
ETS 2931 Special Projects in CIM	2
ETI 1949 Manufacturing Internship	1

---

• General Education Core.

+ Prerequisites and/or corequisites required. See course descriptions.

# Applies only to AS degree and certificate programs.

= Career Certificate course.

\* Minimum grade of "C" required.

@ Civic Literacy.

---