ENGINEERING TECHNOLOGY - DIGITAL MANUFACTURING OPTION

Engineering Technology: Digital Manufacturing Option, AS (ENGT-AS)

Communications Area		**3 Credit Hours**
ENC 1101	English Composition I	3
Humanities Area		**3 Credit Hours**
See General Education Core Requirements		3
Mathematics Area		**3 Credit Hours**
MAC 1105	College Algebra	3
Natural Sciences Area		**3 Credit Hours**
See General Education Core Requirements		3
Social Sciences Area		**3 Credit Hours**
POS 2041	Amer National Government	3
OR		
AMH 2020	United States History II	3
Major Courses		**45 Credit Hours**

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.