

## ENGINEERING TECHNOLOGY - ADVANCED MANUFACTURING OPTION

### Engineering Technology: Advanced Manufacturing Option, AS (ENGT-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 2010	United States History I	3
OR		
AMH 2020	United States History II	3
<b>Major Courses</b>		<b>45 Credit Hours</b>
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
ETS 2542C	Programmable Logic Controllers	3
ETS 2535C	Process & Cntrl Implementation	3
ETS 2700C	Electro-Hydraul & Pneumatics	3
ETS 2606C	Robotics	3
ETS 2511C	Motor and Motion Control	3
EET 1140C	Elec Devices and Circuits	3
CET 1112C	Dig/Comp Circuits	3
EET 1035C	AC/DC Circuits	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.