

## SAMPLE ACADEMIC PLAN OF STUDY

The following academic plan is a *sample* pathway to completing degree requirements for this major.

Semester 1 - Fall	
ENG 1010 Composing Arguments	3
Oral Communication	3
MTH 1110 College Algebra for Calculus	4
Art and Humanities (Multicultural or Global Diversity)	3
AMS 1010 Survey of Advanced Manufacturing & Workplace Prep	3
<b>TOTAL CREDIT HOURS</b>	<b>16</b>

Semester 2 - Spring	
ENG 1020 Research and Argument Writing	3
Historical (Multicultural or Global Diversity)	3
Art and Humanities (Multicultural or Global Diversity)	3
MET 1010 Manufacturing Processes (Recommended) <b>OR</b> IND 2830 Manufacturing Materials and Processes	3
MTH 1120 College Trigonometry	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

Semester 3 - Fall	
Introduction to Engineering (CET 1040, EET 1040, MET 1040)	3
PHY 2010 College Physics I	4
PHY 2030 College Physics Lab	1
EET 1001 Electronics: An Introduction	3
MET 1200 Technical Drawing (Recommended) <b>OR</b> IND 1450 Technical Drawing and CAD <b>OR</b> CET 1215 Engineering Graphics	3
Advisor Approved Elective	3
<b>TOTAL CREDIT HOURS</b>	<b>17</b>

Semester 4 - Spring	
ECO 2020 Principles of Microeconomics (Recommended)	3
JMP 2610 Introduction to Technical Writing	3
MET 1310 Principles of Quality Assurance	3
ARCH 2003 Building Structures	3
Advisor Approved Elective	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

Semester 5 - Fall	
CET 3120 Engineering Economy	3
AMS 3010 Additive Manufacturing Stratasys Cert Prep	3
MET 3000 Manufacturing Analysis	4
MET 2010 CNC Machining and Inspection	3
Advisor Approved Elective	3
<b>TOTAL CREDIT HOURS</b>	<b>16</b>

Semester 6 - Spring	
CSS 1751 Computing and Security for Manufacturing	3
CET 3100 Construction Methods	3
CET 3110 Construction Estimating	3
Advisor Approved Elective	3
Advisor Approved Elective	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

Semester 7 - Fall	
CET 4150 Highway Engineering and Surveying	3
Advisor Approved Elective	3
Advisor Approved Elective	3
Advisor Approved Elective	3
Advisor Approved Elective	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

Semester 8 - Spring	
AMS 4950 Professional Internship	3
CET 4570 Engineering Law	3
Advisor Approved Elective	3
Advisor Approved Elective	3
Advisor Approved Elective	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

Advisor Approved Electives: (34) credit hours with a minimum of (15) upper-division courses.