

## SAMPLE ACADEMIC PLAN OF STUDY

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

GS – General Studies

GS – General Studies  
EESJ - Ethnic Studies & Social Justice  
GD – Global Diversity

Semester 1 - Fall	
ENG 1010 Composing Arguments (GS)	3
Oral Communication (GS)	3
Art and Humanities (GS; ESSJ or GD)	3
Quantitative Literacy (GS)	3
AMS 1010 Survey of Advanced Manufacturing & Workplace Prep	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

Semester 2 - Spring	
ENG 1020 Research and Argument Writing (GS)	3
CIS 1010 Introduction to Computers (Elective)	3
Art and Humanities (GS; ESSJ or GD)	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	
CIS 2010 Foundations of Information Systems	3
BUS 1850 Introduction to Business	3
MET 1040 Introduction to Engineering (GS Natural & Physical Sciences)	3
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
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

Semester 4 - Spring	
CS 1030 Computer Science Principles	4
JMP 2610 Introduction to Technical Writing	3
MET 1310 Principles of Quality Assurance	3
PHY 1000 Introduction to Physics (GS Natural & Physical Sciences)	4
Social and Behavioral Science (GS)	3
<b>TOTAL CREDIT HOURS</b>	<b>17</b>

Semester 5 - Fall	
CSS 2751 Principles of Cybersecurity	3
AMS 3010 Additive Manufacturing Stratasys Cert Prep	3
MET 3000 Manufacturing Analysis	4
MGT 3000 Organizational Management	3
MET 2010 CNC Machining and Inspection	3
<b>TOTAL CREDIT HOURS</b>	<b>16</b>

Semester 6 - Spring	
CET 3120 Engineering Economy (GS Social & Behavioral Sciences)	3
CSS 3753 Computing & Security for Manufacturing	3
MGT 3530 Human Resources Management	3
Historical (GS; ESSJ or GD)	3
Advisor Approved Elective	3
<b>TOTAL CREDIT HOURS</b>	<b>15</b>

Semester 7 - Fall	
MET 3630 Lean Manufacturing Systems Engineering	3
MGT 3550 Operations Management	3
MGT 4350 Enterprise Planning	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
MGT 4050 Purchasing and Supply Chain Management	3
MGT 4550 Project Management	3
Advisor Approved Elective	3
<b>TOTAL CREDIT HOURS</b>	<b>12</b>

Advisor Approved Electives: (15) credit hours with a minimum of (6) upper-division credit hours.

Metropolitan State University of Denver reserves the right to withdraw courses; revise the academic calendar; or change curriculum, graduation procedures, requirements and policies that apply to students at any time.