



First Year		
Fall: 16 Credits	Written Communication (3)	
	MTH 1110 (4) College Algebra	
	Oral Communication (3)	
	AMS 1010 (3) Sur. of Adv. Manufacturing & Workplace Preparation	
	IND 1450 (3) OR CET 1215 (3) or MET 1200 (3)	
Spring: 15 Credits	Written Communication (3)	
	MTH 1120 (3) Trigonometry	
	EET 1001 (3) Electronics: An Introduction	
	MET 1010 (3) OR IND 2830 (3)	
	Approved Major Electives (3)****	

Second Year		
Fall: 15 Credits	Arts and Humanities (3)*	
	COM 2610 (3) Introduction to Technical Writing	
	Historical (3)-select course approved for Global Div.	
	IND 1130 (3) Plastics: Materials and Fabrication	
	MET 1310 (3) Principles of Quality Assurance	
Spring: 14 Credits	CIS 2010 (3) Foundations of Info. Systems	
	PHY 2010 (4) & PHY 2030 (1) College Physics I & Lab	
	Social and Behavioral Sciences II (3)**	
	Arts and Humanities (3)-select course approved for Multicultural	

*PHI 1030-Ethics is recommended

**ECO 2020 Microeconomics is recommended

*** PHY 1020-Physics for Advanced Technology is recommended

Third Year		
Fall: 14 Credits	CET 3120 (3) Engineering Economy	
	CS 3000 (4) Computing for Advanced Manufacturing	
	IND 3000 (3) Design Thinking	
	IND 3100 (3) Composites: Materials and Fabrication	
	Natural & Physical Sciences (1)***	
Spring: 15 Credits	IND 3660 (3) Computer Aided Modeling	
	IND 3400 (3) Product Usability and Ergonomics	
	Approved Major Electives (9)****	

Fourth Year		
Fall: 16 Credits	IND 3260 (3) Direct Digital Manufacturing	
	MET 3000 (4) Manufacturing Analysis	
	MGT 3000 (3) Organizational Management	
	Approved Major electives (6)****	
Spring: 15 Credits	AMS 4950 (3-6) Professional Internship	
	IND 3680 (3) Computer Modeling for Manufacturing	
	IND 4200 (3) Utilization of Composites in Manuf.	
	Approved Major Electives (6)****	

****Students need to complete 24-credits of AMS advisor approved electives. A minimum of 2 credits of electives must be upper-division. All students are required to complete 40-credits of upper-division to graduate.