

APPLIED MANUFACTURING ENGINEERING - MANUFACTURING MANAGEMENT (BACHELOR OF SCIENCE)

In addition to courses noted below, candidates for graduation must successfully complete all JSU Academic Regulations. **More information about general education requirements can be found in the Summary of Degrees/Requirements (<https://catalog.jsu.edu/undergraduate/summary-degrees-requirements/>) section of the catalog.**

Freshman

Fall		Hours
EH Composition sequence		3
MS 125	Calculus I	4
History sequence		3
AE 201	Microcomputers: Applications and Techniques or CS 201	3
AE 210	Manufacturing Fundamentals	3
SSC 101	First Year Experience	0
Hours		16

Spring

EH Composition sequence		3
History sequence		3
EC 221	Principles of Microeconomics	3
AE 211	AC/DC Circuits	3
General Electives		3
Hours		15

Sophomore

Fall		Hours
Fine Arts		3
EH 141	Speech	3
AE 251	Computer-Aided Design	3
AE 342	Employer-Employee Relations or MGT 385 or Human Resource Management (WI)	3
General Electives		3
Hours		15

Spring

Natural Science ¹		4
Social/Behavioral Science		3
EH 322	Technical Writing (WI) or CBA 350 or Business Communications (WI)	3
AE 372	Statistical Analysis for Quality Control	3
AE 380	Industrial Safety and Health	3
Hours		16

Junior

Fall		Hours
Natural Science		4
AE 344	Engineering Economy and Cost Analysis	3
AE 361	Materials and Processes of Industry	3
AE 366	Control Systems Technology	3
AE 393	Junior Seminar (WI)	1
Hours		14

Spring

Literature		3
AE 307	Industrial Training	3

AE 343	Engineering and Technology Management or MGT 301 or Principles of Management	3
AE 330	Production and Inventory Control	3
General Electives		3
Hours		15
Senior		
Fall		
Literature		3
AE 341	Work Measurement and Methods	3
AE 441	Project Management	3
AE 485	Industrial Safety Management	3
General Electives		3
Hours		15
Spring		
AE 440	Manufacturing Management Systems	3
AE 442	Facilities Planning	3
AE 484	Industrial Ergonomics	3
AE 494	Applied Engineering Senior Internship (WI)	2
General Electives		3
Hours		14
Total Hours		120

The student must have earned an overall grade point average of 2.75 based upon a 4.00 scale to include all AE courses and MS courses with a "C" or better.

- ¹ Select from: CY 105 General Chemistry I (3), CY 106 General Chemistry II (3), CY 107 General Chemistry Laboratory I (1), and CY 108 General Chemistry Laboratory II (1) or PHS 201 College Physics I (3), PHS 202 College Physics II (3), PHS 203 College Physics Laboratory Techniques I (1), and PHS 204 College Physics Laboratory Techniques II (1).