

INDUSTRIAL LEADERSHIP (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		Hours
Fall		
EH Composition sequence		3
MS 112	Precalculus Algebra	3
History sequence		3
EC 221	Principles of Microeconomics	3
AE 201 or CS 201	Microcomputers: Applications and Techniques or Introduction to Information Technology	3
General Elective		1
SSC 101	First Year Experience	0
Hours		16
Spring		
EH Composition sequence		3
History sequence		3
AE 207 or AE 211	Electrical, Fluid Power, and Mechanical Systems or AC/DC Circuits	3
General Electives		6
Hours		15
Sophomore		
Fall		
Literature		3
EH 141	Speech	3
Fine Arts		3
Natural Science ²		4
General Electives		3
Hours		16
Spring		
Literature		3
Natural Science ²		4
Social/Behavioral Science ¹		3
AE 380	Industrial Safety and Health	3
Hours		13
Junior		
Fall		
AE 305	Industrial Leadership	3
AE 344	Engineering Economy and Cost Analysis	3
AE 372	Statistical Analysis for Quality Control	3
Applied Engineering 300+ Electives ³		6
Hours		15
Spring		
EH 322 or CBA 350	Technical Writing (WI) or Business Communications (WI)	3
AE 342 or MGT 385	Employer-Employee Relations or Human Resource Management (WI)	3
AE 343 or MGT 301	Engineering and Technology Management or Principles of Management	3
AE 405	Industrial Leadership	3
Applied Engineering 300+ Electives ³		4
Hours		16
Senior		
Fall		
AE 407	Industrial Organization and Function	3

AE 441	Project Management	3
Applied Engineering 300+ Electives ³		3
Directed Electives ⁴		6
Hours		15
Spring		
AE 442	Facilities Planning	3
AE 491	Industrial Leadership Seminar (WI)	3
Applied Engineering Electives ³		8
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: EC 222 Principles of Macroeconomics (3) (recommended), GY 120 World Regional Geography (3), PSC 100 Introduction to American Government (3), PSY 201 Principles of Psychology (3), or SY 221 Introduction to Sociology (3).
- 2 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).
- 3 See advisor for approval.
- 4 Select from: EM 301 Introduction to Disaster Management (3), MGT 305 Organizational Behavior (3), MGT 330 Entrepreneurship (3), or IME 375 Introduction to e-Commerce (3).