



FRESHMAN		SOPHOMORE		JUNIOR		SENIOR	
EH 101 (3)	EH 102 (3)	Natural Science (4) <i>*may require prerequisites</i>	Natural Sciences (4) <i>*may require prerequisites</i>	EH 322 or CBA 350 (3)	Directed Electives (3)	AE 380 (3)	AE 405 (3) <i>*AE 305</i>
HY 101 or HY 201 (3)	AE 210 (3)	Literature (3)	Social/Behavioral Sciences (3) <i>*may require prerequisites</i>	General Electives (3)	General Electives (3)	AE 491 (1)	AE 407 (3) <i>*AE 305</i>
AE 201 or CS 201 (3)	AE 207 or AE 211 (3) <i>*MS 112</i>	AE 305 (3) <i>*Sophomore standing</i>	Literature (3)	Directed Electives (3)	Technical Specialty Credit/Minor/Work Experience (6)	Technical Specialty Credit/Minor/Work Experience (6)	AE 441 (3) <i>*AE 201 &amp; 343</i>
MS 112 (3)	HY 102 or HY 202 (3)	EH 141 (3)	AE 343 or MGT 301 (3) <i>*Sophomore standing</i>	Technical Specialty Credit/Minor/Work Experience (3)	AE 372 (3) <i>*MS 112 &amp; AE 201</i>	General Electives (1)	AE 442 (3) <i>*AE 343</i>
EC 221 (3)	Fine Art (3)	AE 342 or MGT 385 (3)	Technical Specialty Credit/Minor/Work Experience (3) <i>*Sophomore standing</i>	AE 344 (3) <i>*MS 112 &amp; AE 201</i>		Technical Specialty Credit/Minor/Work Experience (3)	
STU 101 (0)							
Fall (15)	Spring (15)	Fall (16)	Spring (16)	Fall (15)	Spring (15)	Fall (13)	Spring (15)

**History:**  
Select one complete sequence:  
HY 101/102 or 201/202

**Social and Behavioral Sciences:**  
Select from EC 222 (recommended), GY 120, PSC 100, PSY 201, or SY 221

**Natural Science:**  
Select two courses:  
CY 105/107, 106/108 or PHS 201/203, 202/204

**Literature:**  
Select two courses:  
EH 201/202, 203/204, 219/220, or 231/232

**Fine Arts:**  
Select from ART 202, DR 242, or MU 233

**Directed Electives:**  
Select from EM 301, MGT 305, MGT 330, or IME 375 (*MGT 305 & MGT 330 require MGT 301 as a prerequisite*)

Seniors will be required to take a professional certification exam to meet graduation requirements in their final semester (EPP).

*Prerequisites are noted below the course.*

**Degree Hours Summary:**

University Requirements: 41 hours  
Major Requirements: 66 hours  
General Electives: 13 hours  
**Total: 120 hours**

Both Semesters
Spring
Fall
Semester (Hours Earned)
Technical Specialty Credit/Minor/Work Experience
Student Affairs
Major Requirements
General/Directed Electives
Written Composition
Science/Mathematics
History & Social Science
Humanities/Fine Arts

## Major: Industrial Leadership

**AE 201 (3)** Microcomputers: Applications and Techniques

**AE 207 (3)** Electrical, Fluid Power, & Mechanical Systems

**AE 210 (3)** Machining/Manufacturing Processes

**AE 211 (3)** AC/DC Circuits (*MS 112*)

**AE 342 (3)** Employer-Employee Relations (*Sophomore Standing*)

**AE 343 (3)** Managing Engineering Technology (*Sophomore Standing*)

**AE 344 (3)** Manufacturing Cost Analysis (*MS 112 and AE 201*)

**AE 372 (3)** Statistical Analysis for Quality Control (*MS 112 and AE 201*)

**AE 380 (3)** Industrial Safety and Health

**AE 405 (3)** Industrial Leadership II (*AE 305*)

**AE 407 (3)** Industrial Organization & Function (*AE 305*)

**AE 441 (3)** Project Management (*AE 201 & AE 343*)

**AE 442 (3)** Facilities Planning (*AE 343*)

**AE 491 (3)** Industrial Leadership Seminar

**EH 322 (3)** Technical Writing (*EH 102*)

**CBA 350 (3)** Business Communications

**CS 201 (3)** Introduction to Information Technology

**EM 301 (3)** Introduction to Disaster Management

**IME 375 (3)** Introduction to e-Commerce

**MGT 301 (3)** Principles of Management

**MGT 305 (3)** Organizational Behavior

**MGT 330 (3)** Entrepreneurship

**MGT 385 (3)** Human Resource Management

### Graduation Requirements

120 Total Hours

“C” or Higher in AE and MS courses

30 JSU Hours

Apply to graduate

36 300+ Hours

EPP Exam

60+ Hours at a 4yr Institution

Department Exit Exam

2.0 Overall GPA

Department Exit Interview

2.0 JSU GPA