## Arkansas State University - Jonesboro Degree: Bachelor of Science

Major: Engineering Management Systems 2024-25

Students requiring developmental course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may not be able to complete this program of study in eight (8) semesters. Developmental courses do not count toward total degree hours. Students having completed college level courses prior to enrollment will be assisted by their advisor in making appropriate substitutions. In most cases, general education courses may be interchanged between semesters. A minimum of 45 hours of upper division credit (3000-4000 level) is required for this degree. Mandatory state and institutional assessment exams will be required during your degree program. Failure to participate in required assessments may delay graduation.

SCOM   2313		Year 1				Year 1		
No.		Fall Semester				Spring Semester	•	
SCOM   2313		Course Name	Hrs			Course Name	Hrs	Gen Ed
1203	*ENG 1003	Composition I	3	Х	*ENG 1013	Composition II	3	Х
1023		Oral Communications	3	Х		Macroeconomics	3	
Science   Social Scie		College of Algebra	3	Х	2763/2773 or POSC	1876 or Intro to US	3	Х
*UC 1013         Making Connections         3         *ART, MUS or, THEA 2503         Fine Arts Visual, Musical, Theatre         3         X           Total Hours         Year 2         Year 2         Year 2           Fall Semester         Spring Semester           Course Name         Hrs         Gen         Course Name         Hrs         Gen Ed           No.         Spring Semester           Course Name         Hrs         Gen Ed           No.         Spring Semester           Course Name         Hrs         Gen Ed           No.         Spring Semester           Course Name         Hrs         Gen Ed           No.         Science	or *ENG 2013 or	_	3	Х			3	Х
Hours   Year 2   Year 2   Year 2		Making Connections	3		MUS or, THEA		3	Х
Fall Semester  Course No.  Physical Gen. Ed. Approved Physical Science Science Science Social Science Social Science  **ECON Principles of Amath Business Calculus **MATH Business Calculus **ACCT Intro to Financial 2033 Accounting **ACCT Intro to Financial 2033 Accounting **Electives  Total  **Electives  Spring Semester  Course Name Hrs Gen Ed  Course Name Hrs Gen Ed  Course Name Hrs Gen Ed  Accourse Name Hrs Gen Ed  Hrs Gen Ed  Accourse Name Hrs Gen Ed  Accourse Name Mare Gen Ed  **Life Gen. Ed. Approved Life Science Lab  **Life Gen. Ed. Approved Life Science Science Lab  **Approved Life Science Lab  **Approved Life Science Lab  **ACCT Science Lab  **ACCT Intro to Management Accounting  **ACCT Intro to Management Accounting  **ACCT Intro to Financial Science Science Lab  **LAW Legal Environment of Science Science Lab  **Electives Science Lab  **Electives Science Lab  **LAW Legal Environment of Science Lab  **Electives Science Lab  **LAW Legal Environment of Science Lab  **Electives Science Lab  **Electives Science Lab  **Electives Science Lab  **Course Name Mare Lab  **Accounting Science Science Lab  **Course Name Mare Lab  **Accounting Science Science Lab  **LAW Legal Environment of Science Lab  **Electives Science	Total Hours		15				15	
Course No.       Course Name       Hrs       Gen Ed       Course No.       Course Name       Hrs       Gen Ed         *Physical Science       Gen. Ed. Approved Life Science       4 X       *Life Science       Gen. Ed. Approved Life Science       3 X         *Social Gen. Ed. Approved Science       3 X       *Life Science Science Lab Science Lab       Science Lab       1 X         *ECON Principles of 32323       Microeconomics Microeconomics       3 Management       *ACCT Intro to Managerial Accounting       3 Accounting         *ACCT Intro to Financial 2033       Accounting       *LAW Legal Environment of Accounting       3 Business         Total       16       Total       16	Year 2					Year 2		
No.     Ed     No.       *Physical Science     Gen. Ed. Approved Physical Science     4 X Science Science     Science Science       *Social Gen. Ed. Approved Science     3 X Science Science Science     1 X Science Science Lab       *ECON Principles of 2323 Microeconomics     3 X MGMT Principles of Management     3 Management       *MATH Business Calculus 2143 PACCT Intro to Managerial 2133 Accounting     3 Accounting       *ACCT Intro to Financial 2033 Accounting     3 Electives       *Electives     3 Business       Total     16 Total		Fall Semester				Spring Semester	•	
Science     Physical Science     Science     Science       *Social Science     3 X     *Life Science Lab     Gen. Ed. Approved Life Science Lab       *ECON Principles of 2323 Microeconomics     3 X     *MGMT Principles of Management       *MATH Business Calculus 2143     3 X     *ACCT Intro to Managerial Accounting       *ACCT Intro to Financial Accounting     3 X     *LAW Legal Environment of Business       *ACCT Intro to Financial Accounting     3 X     *Electives       *Electives     3 X		Course Name	Hrs			Course Name	Hrs	Gen Ed
Science         Science Lab         Science Lab           *ECON         Principles of 32323         *MGMT Principles of 3123         *Management           *MATH Business Calculus 2143         *ACCT Intro to Managerial 2133         *Accounting           *ACCT Intro to Financial 2033         *LAW Legal Environment of 32023         *Business           *Electives         3           Total         16         Total         16	Science	Physical Science	4	Х	Science	Science	3	
2323         Microeconomics         3123         Management           *MATH         Business Calculus         3         *ACCT Intro to Managerial Accounting         3           2143         2133         Accounting         *LAW Legal Environment of Business         3           2033         Accounting         *Electives         3           Total         16         Total         16			3	X	Science		1	Х
2143         2133         Accounting           *ACCT   Intro to Financial 2033         3   *LAW   Legal Environment of Business         3   Business           *Electives         3   Total         16   Total         16   Total			3		_		3	
2033         Accounting         2023         Business           *Electives         3           Total         16         Total         16		Business Calculus	3			Accounting	3	
Total 16 Total 16			3		2023			
			16				16	

Year 3			Year 3							
	Fall Semester				Spring Semester					
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed			
*TECH 3773	Statistics	3		*TECH 4823	Quality Assurance	3				
*COMS 3363	Communication Research Methods	3		*EGRM 3013	Project Management and Practice	3				
*TECH 3863	Industrial Safety	3		*EGRM 4023	Engineering Management I	3				
*TECH 4813	Operations Systems Research	3		*Electives		6				
*EGRM 3003	Technical Entrepreneurship	3								
Total Hours		15		Total Hours		15				
	Year 4				Year 4					
	Fall Semester				Spring Semester					
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed			
*EGRM 4003	Engineering Management Design I	3		*EGRM 4013	Engineering Management Design II	3				
*CS 1114	Concepts of Programming	3		*EGRM 4073	Facilities Management Systems	3				
*EGRM 4033	Value Engineering Systems	3		*DATA 2004	Programming for Data Analysis	3				
*EGRM 4063	Engineering Management Internship	3		*Electives		4				
*Electives		3								
Total Hours		15		Total Hours		13				

Total Jr/Sr Hours after 45 Total Degree Hours 120 1st 30

## **Graduation Requirements:**

Completion of HIST 2763 or HIST 2773 or POSC 2103

English Proficiency (Grade of C or better in ENG 1003 and ENG 1013)

Grade C or better in all Engineering Management Core courses

2.00 GPA at ASU

2.00 GPA Overall

Maximum of 25% of the degree program via examination, PLA, Military or similar means; CLEP (30 hrs max)

45 JR/SR Hours after completing 30 hours

120 Total Credit Hours

18 of last 24 hours must be A-State-Jonesboro courses

Complete half of the last 50% of semester hours through the A-State campus

\* Course offered online