

Arkansas State University-Jonesboro
Degree: Bachelor of Science
Major: Actuarial Science
Year: 2022-2023

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.

Year 1				Year 1			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
MATH 1093	Making Connections	3		MATH 2214	Calculus II	4	
MATH 2204	Calculus I	4	X	ENG 1013	Composition II	3	X
ENG 1003	Composition I	3	X	ENG 2003 or ENG 2013	Intro to World Lit I or World Literature Since 1660	3	X
MUS 2503 or THEA 2503 or ART 2503	Fine Arts-Musical or Fine Arts-Theatre or Fine Arts -Visual	3	X	COMS 1203	Oral Communication	3	X
HIST 2763 or HIST 2773 or POSC 2103	U.S. to 1876 or U.S. since 1876 or Intro to U.S. Gov't	3	X	ECON 2313	Principles of Macroecon	3	X
Total Hours		16		Total Hours		16	
Year 2				Year 2			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
MATH 3254	Calculus III	4		MATH 4403	Differential Equations	3	
ACCT 2033	Intro to Financial Accounting	3		ACCT 2133	Intro to Managerial Accounting	3	
Life Science	BIO with LAB	4	X	PHYS 2034 or PHYS 2054	University Physics I General Physics I	4	X
ISBA 2033	Programming Fundamentals	3		ECON 2323	Principles of Microeconomics	3	X
	Elective	1		STAT 3233	Applied Stat I	3	
Total Hours		15		Total Hours		16	
Year 3				Year 3			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
	Elective	3		STAT 4443	Stochastic Processes	3	
FIN 3713	Business Finance	3		MATH 3243	Linear Algebra	3	
REI 3513	Risk and Insurance	3		FIN 3723	Financial Analytics & Modeling	3	
STAT 4483	Statistical Methods Using R	3			Elective	3	
ISBA 3663	Data Mining for Business	3		ISBA 3413 ISBA 3423 or		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
FIN 3773	Financial Risk Management	3		STAT 4463	Probability and Statistics II	3	

STAT 4453	Probability and Statistics I	3		MATH 4573	Actuarial Science Seminar	3	
REI 4513 or REI 4543	Property and Liability Insurance or Life Insurance (choose 1)	3		FIN 4723	Investments	3	
MATH 4373	Financial Mathematics	3		REI 4513 or REI 4543	Property and Liability Insurance or Life Insurance (choose 1)	3	
	Elective	3			Elective	3	
Total Hours		12 or 15		Total Hours		12 or 15	
Total Jr/Sr Hours		__54__		Total Degree Hours		__120__	
Graduation Requirements:							