

Arkansas State University - Jonesboro
Bachelor of Science
Major: Mathematics
2019-2020

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.**

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 or PHIL 1103	Intro to World Lit I or Intro to World Lit II or Intro to Philosophy	3	X
MUS 2503 or THEA 2503 or ART 2503	Fine Arts-Musical or Fine Arts-Theatre or Fine Arts -Visual	3	X	ANTH 2233* or GEOG 2613* or HIST 1013* or HIST 1023*	Intro to Anthropology or Intro to Geography or World Civ to 1660 or World Civ since 1660	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 or ECON 2333 or JOUR/RTV 1003 or POSC 1003 or PSY 2013 or SOC 2213 or course labeled *	Principles of Macroecon or Econ Issues & Concepts or Mass Communication or Intro to Politics or Intro to Psychology or Intro to Sociology or course labeled *	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	
MATH 3303	Modern Algebra I	3		MATH 3323 or Math/Stat elective	Mathematical Modeling or Math/Stat elective	3	
MATH 2183	Discrete Structures	3		CS 1114 or student choice of elective	Concepts of Programming (recommended before CS 2114) or student choice of elective	4	
PHYS 2034	University Physics I	4	X	PHYS 2044	University Physics II	4	
Total Hours		14		Total Hours		14	

Year 3				Year 3			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
STAT 4453	Probability and Statistics I	3		STAT 4463	Probability and Statistics II	3	
STAT 3233	Applied Statistics I	3		STAT 4473 or Jr/Sr elective	Applied Statistics II or Jr/Sr elective	3	
MATH 3353 or Math/Stat elective	History of Math or Math/Stat elective	3		BIOL 1003 BIOL 1001	Biological Science Lab for Biological Science	4	X
CS 2114	Structured Programming	4		MATH 3243	Linear Algebra	3	
Student choice of elective	Student choice of elective	1		MATH 3343 or Jr/Sr elective	College Geometry	3	
Total Hours		14		Total Hours		16	
Year 4				Year 4			
Fall Semester				Spring Semester			
Course No.	Course Name	Hrs	Gen Ed	Course No.	Course Name	Hrs	Gen Ed
MATH 4553	Advanced Calculus I	3		MATH 4563 or Math/Stat elective	Advanced Calculus II or Math/Stat elective	3	
MATH 4513 or Math/Stat elective	Applied Mathematics or Math/Stat elective	3		MATH 459V or MATH 4533 or Jr/Sr elective	Partial Differential Eqns or Numerical Methods or Jr/Sr elective	3	
Student choice of elective	Student choice of elective	3		Student choice of elective	Student choice of elective	3	
ECON 2313 or ECON 2333 or JOUR/RTV 1003 or POSC 1003 or PSY 2013 or SOC 2213 or course labeled *	Principles of Macroecon or Econ Issues & Concepts or Mass Communication or Intro to Politics or Intro to Psychology or Intro to Sociology or course labeled *	3	X	Student choice of elective	Student choice of elective	3	
Student choice of elective	Student choice of elective	3		Student choice of elective	Student choice of elective	3	
Total Hours		15		Total Hours		15	
Total Jr/Sr Hours		45		Total Degree Hours		120	