



**ARKANSAS STATE
UNIVERSITY**

**Eight-Semester Degree Plan
Bachelor of Science
Major in Mathematics
2017-2018**

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. History to 1876 or U.S. History since 1876 or Intro to U.S. Gov't	3	X	ECON 2313 or ECON 2333 or CMAC 1003 or POSC 1003 or PSY 2013 or SOC 2213 or course labeled*	Prin. of Macroecon or Econ Issues/Concepts or Mass Communication or Intro to Politics or Intro to Psychology or Intro to Sociology or course labeled with *	3	X
Total Hours:		16		Total Hours:		16	
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 (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							
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 and BIOL 1001	Biological Science and Lab for Biological Science	4	X
CS 2114	Structured Programming	4		MATH 3243	Linear Algebra	3	
(Elective)	Student choice of Elective	1		MATH 3343 or (Jr/Sr Elective)	College Geometry or Jr/Sr Elective	3	
Total Hours:		14		Total Hours:		16	
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	
(Elective)	Student choice of Elective	3		(Elective)	Student choice of Elective	3	
ECON 2313 or ECON 2333 or CMAC 1003 or POSC 1003 or PSY 2013 or SOC 2213 or course labeled *	Prin. of Macroecon or Econ Issues/Concepts or Mass Communication or Intro to Politics or Intro to Psychology or Intro to Sociology or course labeled with *	3	X	(Elective)	Student choice of Elective	3	
(Elective)	Student choice of Elective	3		(Elective)	Student choice of Elective	3	
Total Hours:		15		Total Hours:		15	
Total Upper-Level Hours:		45		Total Degree Hours:		120	

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-level 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.***

Additional Graduation Requirements: