

**Arkansas State University - Jonesboro**  
**Bachelor of Science in Education**  
**Major: Mathematics**  
**2018-2019**

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	
HIST 2763 or HIST 2773 or	U.S. to 1876 or U.S. since 1876	3	X	PSY 2013	Intro to Psychology	3	X
<b>Total Hours</b>		16		<b>Total Hours</b>		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		COMS 1203	Oral Communication	3	X
MATH 3303	Modern Algebra I	3		MATH 3323	Mathematical Modeling	3	
MATH 2183	Discrete Structures	3		BIOL 1003 and BIOL 1001	Biological Science and Lab for Biological Science	4	X
PHYS 2034 or PHYS 2054	University Physics I or General Physics I	4	X	PHYS 2044 or PHYS 2064	University Physics II or General Physics II	4	
SCED 2513	Intro to Secondary Teaching	3		Student choice of elective	Student choice of elective	1	
<b>Total Hours</b>		17		<b>Total Hours</b>		15	

**Year Two Notes:** Take steps toward admission into the Teacher Education Program. Admission requirements include a 2.70 overall GPA and passing the Praxis Core tests with scores of at least 156 in Reading, 150 in Mathematics, and 162 in Writing\*. All Teacher Education Program admission requirements and the Admission Screening/Interview with the Department of Mathematics and Statistics must be completed before enrolling in EDMA 4563, SCED 3515, SCED 4713, and TIMA 4826. See <http://www.astate.edu/a/prof-ed-programs-office/admission/check-point-1.dot> for more information.

\* see Professional Education Programs Admission Standards for most up to date information.

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		EDMA 4563	Methods and Materials for Teaching Mathematics	3	
STAT 3233	Applied Statistics I	3		SCED 3515	Performance Based Instructional Design	5	
MATH 3353	History of Math	3		MATH 3243	Linear Algebra	3	
PSY 3703	Educational Psychology	3		MATH 3343	College Geometry	3	
ELSE 3643	Exceptional Student in the Regular Classroom	3					
<b>Total Hours</b>		15		<b>Total Hours</b>		14	

*Year Three Notes: Students must attend the Pre-Teacher Intern Check meeting one year prior to the Internship semester and complete the Pre-Teacher Intern Check form with the academic advisor. An overall GPA of 2.70 and a major content area GPA of 2.70 are required to complete the Pre-Teacher Intern Check process.*

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		TIMA 4826	Teaching Internship	12	
POSC 2103	Intro to U.S. Government	3	X				
SCED 4713	Educational Measurement with Computer Applications	3					
HLTH 2513	Principles of Personal Health	3					
Computer Science elective	Computer Science elective	3					
<b>Total Hours</b>		15		<b>Total Hours</b>		12	

*Year Four Notes: Students must attend the Intent for Teaching Internship meeting one semester prior to the Internship semester and complete the Intent for Teaching Internship form with the academic advisor. An overall GPA of 2.70 and a major content area GPA of 2.70 are required to complete the Intent for Teaching Internship process and for final validation of internship eligibility. A grade of C or better is required in all professional education courses (Introduction to Secondary Teaching, Exceptional Child in the Regular Classroom, Educational Psychology, Methods and Materials for Teaching Mathematics, Performance Based Instructional Design, and Educational Measurement with Computer Applications).*

*Prior to graduation, students must pass Praxis 5624--Principles of Teaching and Learning: Grades 7-12 with a score of at least 157\* and take Praxis 5161--Mathematics: Content Knowledge (passing score = 160).*

**Total Jr/Sr Hours**

**57**

**Total Degree Hours**

**120**