

**Bachelor of Science in Mathematics**  
**University of Arkansas - Fort Smith**  
**In Partnership with Phillips Community College of the University of Arkansas**  
**Associate of Science with an Emphasis in Mathematics**  
*[UAFS course numbers are italicized in brackets]*

Hours	Courses	Notes	Grade
<b>PCCUA AS with emphasis in Mathematics (58 hours)</b>			
6	English [ <i>English Composition requirement</i> ] *EN 113 Composition I [ <i>ENGL 1203</i> ] *EN 123 Composition II [ <i>ENGL 1213</i> ]	1 1	
3	Speech [ <i>Speech requirement</i> ] *SP 243 Fundamentals of Speech [ <i>SPCH 1203</i> ]	1	
3	Fine Arts [ <i>Fine Arts requirement</i> ] Select one course from General Education core with a prefix of FA, MSC, or SP-Theatre	1	
9	Social Sciences [ <i>History and Social Sciences requirement</i> ] Select one course from the following [ <i>History/Government requirement</i> ] *HY 213 United States History I [ <i>HIST 2753</i> ] *HY 223 United States History II [ <i>HIST 2763</i> ] Select one course from the following PCCUA requirement [ <i>Social Science requirement</i> ] HY 113 Western Civilization I HY 123 Western Civilization II Select one additional Social Science requirement for PCCUA General Education Core.	1	
<b>Science and Mathematics Requirements</b>			
8	[ <i>Will count for 8 hours of additional degree requirements</i> ] *BY 134 General Zoology [ <i>BIOL 2703/2701</i> ] *BY 144 General Botany [ <i>BIOL 2303/2301</i> ]	4	
10	*PS 235 Technical Physics I [ <i>PHYS 2903/2911</i> ] *PS 245 Technical Physics II [ <i>PHYS 2923/2931</i> ] [ <i>Two hours will count as additional degree requirements</i> ]	1	
13	*MS 215 Calculus I [ <i>MATH 2804</i> ] *MS 225 Calculus II [ <i>MATH 2854</i> ] *MS 233 Calculus III [ <i>MATH 2904</i> ] [ <i>One hour will count as additional degree requirements</i> ]	2 2 (4)	
<b>Approved Electives</b>			
3	[ <i>Humanities requirement</i> ] Select one course from Fine Arts General Education core with a prefix of EH or PHIL.	1	
3	Open electives-P.E., computer elective, general education elective	4	
<b>58 Maximum Hours Total</b>			
<b>Additional BS Mathematics Requirements (62 hours)</b>			
Courses must be taken at UAFS or approved as transfer from another bachelor's degree granting institution. 50% of the major must be completed in residency at UAFS.			
3	MATH 1903 Introductory Discrete Mathematics	2	
3	MATH 3103 Foundations of Mathematics	2	
3	MATH 3203 Applied Linear Algebra	2	
4	MATH 3214 Differential Equations	2	
3	MATH 3403 College Geometry	2	

3	STAT 3503 Applied Mathematical Statistics I	2	
1	MATH 3901 Mathematics Seminar	2	
3	MATH 4303 Real Analysis I	2	
3	MATH 4403 Abstract Algebra	2	
2	MATH 4992 Senior Project	2	
3	HIST 4203 History of Mathematics		
4	CS 1014 Foundations of Programming I		
1	FIN 1521 Personal Finance Applications	5	
9	Upper-level MATH courses-consult with advisor	2	
17	Additional degree requirements	4	

**Total Hours 120** At least 45 hours must be upper-level.

NOTES

1: General Education Core Requirements, see Graduation Requirements section of [UAFS Undergraduate Academic Catalog](#) OR follow PCCUA General Education core requirements.

2: These courses are used to determine major courses in residency, see Graduation Requirements section of [UAFS Undergraduate Academic Catalog](#).

3: Mathematics Upper-level electives, 9 hours. Consult with faculty advisor.

4: Additional Degree Requirements. At least 18 hours of a minor and electives are needed to total 120 hours. Consult with faculty advisor. Must select courses to ensure completion of 45 hours of upper-level hours required for graduation.

5: Prior to graduation students must demonstrate competency in financial literacy by satisfactory completion of FIN 1521 Personal Finance Applications (or approved substitution) with a grade of C or better, or a score of 70% or more on a challenge exam for FIN 1521.