

BS-Mathematics

Printed Name: _____ IDN: _____

Major Code: 3063

This degree is available in a guaranteed 8-semester plan for qualified freshmen. **See your advisor to declare your major and sign an official degree plan.**

The prerequisites and corequisites of the degree requirements are subject to change.

FRESHMAN YEAR- FALL SEMESTER: 16 hours				FRESHMAN YEAR- SPRING SEMESTER: 15 hours			
Hrs	Courses	Notes	Grade	Hrs	Courses	Notes	Grade
3	English composition requirement	1		3	English composition requirement	1	
4	MATH 2804 Calculus I			4	MATH 2854 Calculus II	2	
3	Fine Arts/Humanities/Social Sciences requirement	1		2	MATH 2702 Mathematics Technology	2	
3	Additional degree requirement	4		3	History/Government requirement	1	
3	SPCH 1203 Intro to Speech Communication			3	MATH 1903 Introductory Discrete Mathematics	2	
SOPHOMORE YEAR- FALL SEMESTER: 16 hours				SOPHOMORE YEAR- SPRING SEMESTER: 16 hours			
Hrs	Courses	Notes	Grade	Hrs	Courses	Notes	Grade
4	MATH 2904 Calculus III	2		4	MATH 2914 Differential Equations	2	
3	MATH 3103 Foundations of Mathematics	2		3	MATH 3403 College Geometry	2	
3	STAT 3503 Applied Mathematical Statistics I	2		3	MATH 4403 Abstract Algebra	2	
3	Additional degree requirement	4		3	Additional degree requirement	4	
3	Additional degree requirement	4		3	Fine Arts/Humanities/Social Sciences requirement	1	
JUNIOR YEAR- FALL SEMESTER: 16 hours				JUNIOR YEAR- SPRING SEMESTER: 17 hours			
Hrs	Courses	Notes	Grade	Hrs	Courses	Notes	Grade
3	ECON 2813 Principles of Microeconomics			4	PHYS 2923 University Physics II and PHYS 2931 lab		
3	MATH 4303 Real Analysis I	2		3	MATH 3603 Mathematical Modeling I	2	
4	PHYS 2903 University Physics I and PHYS 2911 lab			1	MATH 3901 Mathematics Seminar	2	
3	Fine Arts/Humanities/Social Sciences requirement	1		3	Mathematics upper-level elective	2 & 3	
3	Additional degree requirement	4		3	Additional degree requirement	4	
				3	Additional degree requirement	4	
SENIOR YEAR- FALL SEMESTER: 14 hours				SENIOR YEAR- SPRING SEMESTER: 14 hours			
Hrs	Courses	Notes	Grade	Hrs	Courses	Notes	Grade
3	MATH 4103 Linear Algebra	2		3	Mathematics upper-level elective	2 & 3	
3	HIST 4203 History of Mathematics			2	MATH 4992 Senior Project in Mathematics	2	
3	Mathematics upper-level elective	2 & 3		3	Additional degree requirement	4	
2	Additional degree requirement	4		3	Additional degree requirement	4	
3	Additional degree requirement	4		3	Additional degree requirement	4	

Total Hours: 124 At least 45 hours must be upper level

- NOTES**
- 1: General Education Core Requirements, see Graduation Requirements section of this catalog. Choose one social science, excluding ECON 2813.
 - 2: These courses are used to determine major courses in residency, see Graduation Requirements section of this catalog.
 - 3: Mathematics Upper-level electives, nine hours. Consult with faculty advisor to select three 4000 level MATH courses.
 - 4: Additional Degree Requirement, 35 hours to include five hours of general education electives, at least 18 hours of a minor/secondary concentration and open electives as needed to total 124 hours. Consult with faculty advisor. Must select courses to ensure completion of 45 upper level hours required for graduation. At least 18 hours of courses must be in a discipline other than mathematics satisfying requirements for a minor/secondary concentration as determined by the faculty of the second discipline. In certain cases, courses from multiple disciplines may be used in constructing a coherent concentration in a specific topic. This sequence of courses must be approved by a faculty advisor.
- The department requires satisfactory performance on the departmental mathematics competency examination as a requirement for graduation.

Transfer Course Information

The Arkansas Course Transfer System (ACTS) contains information about the transferability of courses within Arkansas public colleges and universities. Students are guaranteed the transfer of applicable credits and the equitable treatment of the application of credits for the admissions and degree requirements. Courses transferability is not guaranteed for courses listed in ACTS as "No Comparable Courses." ACTS-Arkansas Course Transfer System <http://acts.adhe.edu> -select Course Transfer. Students may also view the UA Fort Smith Transfer Credit Guide at www.uafortsmith.edu/Transfer/TransferCreditGuide.

See Acceptance of Transfer Credits section of the 2011-2012 academic catalog for a complete list of transfer provisions.

Student Degree Program Requirements

A student's degree program requirements are those specified in the catalog in effect at the time of declaration of program major. If not on the Guaranteed 8-semester degree plan, students may choose to meet the program requirements specified in the catalog for a later year from when they began their program of study. Students must meet the above program requirements and the graduation requirements as indicated by institutional and college policy. The program can be changed only with the approval of the official advisor.

If original courses are eliminated, students may be required to meet new curriculum requirements in the degree program. If students are not enrolled for two or more consecutive terms (excluding summer terms), they must re-enter under the program requirements of the current catalog. Students are responsible for understanding program requirements and changes.

Guaranteed 8-Semester Degree Completion Program Pursuant to Act 1014 of 2005, qualified first-time freshmen with a declared major may elect to participate in the guaranteed 8-semester degree completion program. Students must follow the above degree plan and meet all requirements as outlined in the Guaranteed 8-semester Degree Completion Program contract. The contract and this degree plan must be signed and filed with the advisor before the first day of classes for the student's first term of attendance. The official copy of the contract and degree plan are filed in the Records Office.

Approved by Dr. Ray Wallace, March 1, 2011-Catalog Year 2011-2012. This document is not official until signed and dated by both the student and an authorized university representative.

Student Signature _____ Date _____

Advisor Signature _____ Date _____