

**BACHELOR OF SCIENCE
MAJOR IN MATHEMATICS**

Following is one suggested four-year degree plan. Students are encouraged to see their advisor each semester for help with program decisions and enrollment; responsible for reviewing the **Program of Study Requirements**; and must meet **foreign language** and **writing intensive course** requirements for graduation. See Academic Regulations-Undergraduate online.

*See *Appendix A Core Curriculum and Optional Course Information*.

** See *Appendix C* for approved list of minors and requirements. Instead of a minor, students may complete 18 SCH of electives, 12 SCH of which must be at the 3000-4000 level, from any discipline, except the major field, outside the College of Nursing and Health Sciences.

FALL	HOURS	SPRING	HOURS
FRESHMAN YEAR		FRESHMAN YEAR	
ENGL 1301 English Composition I	3	ENGL 1302 English Composition II	3
HIST 1301 The U.S. To 1877	3	HIST 1302 The U.S. Since 1877	3
MATH 2413 Calculus I	4	MATH 2414 Calculus II	4
Life & Physical Science*	3	Life & Physical Science*	3
Life & Physical Science Lab*	1	Life & Physical Science Lab*	1
UNIV 1101 Learning in a Global Context I	<u>1</u>	UNIV 1402 Signature Course	<u>4</u>
Total	15		18
SOPHOMORE YEAR		SOPHOMORE YEAR	
COSC 1136 Funds of Prog Lab	1	MATH 3360 Statistical Analysis	3
COSC 1336 Funds of Programming	3	MATH 3310 Intro to Linear Algebra	3
MATH 3365 Discrete Mathematics	3	PSCI 2306 American State Govt	3
MATH 2415 Calculus III	4	Creative Arts*	3
PSCI 2305 American National Govt	<u>3</u>	Language, Philosophy, & Culture*	<u>3</u>
Total	14		15
JUNIOR YEAR		JUNIOR YEAR	
MATH 3371 Communications in Math	3	MATH 4310 Abstract Algebra	3
MATH 3330 Differential Equations	3	MATH Advanced Math Elective ²	3
MATH 4335 Advanced Calculus	3	Foreign Language/Study Abroad ¹	3
Foreign Language/Study Abroad ¹	3	Minor/General Elective **	3
Soc/Behavioral Science*	<u>3</u>	Minor/General Elective **	<u>3</u>
Total	15		15
SENIOR YEAR		SENIOR YEAR	
MATH Advanced Math Elective ²	3	MATH 4345 Complex Variables	3
MATH Advanced Math Elective ²	3	MATH Advanced Math Elective ²	3
MATH Advanced Math Elective ²	3	MATH 3195 Seminar (Free Elective)	1
Adv Minor/Gen Elective **	3	Adv Minor/Gen Elective **	3
Adv Minor/Gen Elective **	<u>3</u>	Adv Minor/Gen Elective **	<u>3</u>
Total	15		13
TOTAL SEMESTER CREDIT HOURS: 120			

¹Foreign Language/Study Abroad, select 6 SCH in course work (not credit by exam) above the university's foreign language graduation requirement. Thus students who meet the university's foreign language graduation requirement by earning 6 hours of credit by exam, may take 6 SCH in the same language but at the intermediate level or above, or they may take 6 SCH of another foreign language at the introductory level. This requirement may also be met by earning 6 SCH in any subject while participating in a TAMIU-approved Study Abroad program while living for at least 4 weeks in another country.

²Math Electives, select 15 SCH from any 4000 level math courses, and excluding MATH 4390. NOTE: See combined BS/MS programs in this section.

Actual degree plans may vary depending on availability of courses in a given semester. Some courses may require prerequisites not listed.