MATHEMATICS (B.S.)

Degree: Bachelor of Science

Major: Math

Total Hours: 120

Code	Title	Hours
General Education Core Curriculum		
Communicaiton		
ENGL 1301	Composition I	3
Select one of the following:		3
COMM 1315	Public Speaking I	
COMM 1321	Business and Professional Speech	
DSDE 1371	ASL I	
ENGL 1302	Composition II	
FREN 1311	Beginning French I	
SPAN 1311	Beginning Spanish I	
Mathematics [1]		
MATH 2413	Calculus and Analytical Geometry I	4
Life and Physical Sciences [1, 6]		
Select two courses from the following:		6
BIOL 1406	General Biology I (Majors)	
BIOL 1407	General Biology II (Majors)	
CHEM 1311	General Chemistry I	
CHEM 1312	General Chemistry II	
GEOL 1403	Geology I: Physical Geology	
GEOL 1403	Geology I: Physical Geology	
PHYS 2425	University Physics I	
PHYS 2426	University Physics II	
Language, Philosophy and Culture		
Select one of the following:		3
DSDE 1374	Introduction to Deaf Studies	
ENGL 2300	Close Reading II	
ENGL 2322	British Literature	
ENGL 2326	American Literature	
ENGL 2331	World Literature	
ENGL 2376	African-American Literature	
PHIL 1370	Philosophy of Knowledge	
PHIL 2306	Ethics	
Creative Arts		
Select one of the following:		3
ARTS 1301	Art Appreciation	
ARTS 1303	Art History I	
COMM 1375	Film Appreciation	
COSC 1324	The Art of Computer Game Development	
DANC 2304	Dance Appreciation	
MUSI 1306	Music Appreciation	
MUSI 1309	Jazz History and Appreciation	
MUSI 1310	History of Rock and Roll	
PHIL 1330	Arts and Ideas	
THEA 1310	Theatre Appreciation	

Code	Title	Hours
American History		
Select two of the following:		6
HIST 1301	U S History I 1763-1877	
HIST 1302	U S History II Since 1877	
HIST 2301	Texas History	
Government/Political Science		
POLS 2301	Intro to American Government I	3
POLS 2302	Intro/American Government II	3
Social and Behavorial Sciences		
Select one of the following:		3
ANTH 2346	Introduction to Anthropology	
ANTH 2351	Cultural Anthropology	
BULW 1370	Business Environment and Public Policy	
CRIJ 1301	Intro to Criminal Justice	
ECON 1301	Principles and Policies	
ECON 2301	Principles of Economics I Macro	
ECON 2302	Principles of Economics II Micro	
FINC 2310	Intro to Consumer Finance	
INEN 2373	Engineering Economics	
PSYC 2301	General Psychology	
PSYC 2315	Lifespan Development	
POLS 1301	Intro to Political Science	
SOCI 1301	Introduction to Sociology	
SOWK 2361	Intro Social Work	
Component Area Option		
ENGL 1302	Composition II	3
Additional hours are applied here		3
Required Major Courses		
Mathematics Courses		
MATH 2318	Linear Algebra	3
MATH 2414	Calculus and Analytical Geometry II	4
MATH 2415	Calculus III	4
MATH 3322	Introduction to Advanced Mathematics	3
MATH 3370	Introduction to the Theory of Statistical Inference	3
MATH 4325	Analysis I	3
MATH 3350	Modern Algebra - Groups	3
or MATH 3351	Modern Algebra - Rings	
Select one of the following Programming Courses:		3
COSC 1336 & COSC 1173	Programming Fundamentals I and Programming Lab [2]	
or COSC 330	UNIX/C++	
or ELEN 130	Computers and Programming I	
Electives		
MATH Courses [3]		15
Elective Courses [4]		15
Minor		
Must complete seven courses - four of which must be at the 3000-level or above [5]		21
Total Hours		**120**

[1] The additional hours from these sections are applied in the Component Area Option.

[2] With Departmental Approval

[3] Selected MATH courses, please see your advisor

[4] 15 Hours of elective coursework, please see your advisor

[5] This is a non-math minor and should be comprised of courses from outside mathematics.

[6] Department prefers a 4-credit hour lab science.

Course	Title	Hours
First Year		
Fall		
MATH 2413	Calculus and Analytical Geometry I	4
ENGL 1301	Composition I	3
HIST 1301	U S History I 1763-1877	3
Life & Physical Sciences		3
Creative Art		3
	Hours	**16**
Spring		
MATH 2414	Calculus and Analytical Geometry II	4
ENGL 1302	Composition II	3
MATH 2318	Linear Algebra	3
Life & Physical Sciences [1]		3
HIST 1302	U S History II Since 1877	3
	Hours	**16**
Second Year		
Fall		
POLS 2301	Intro to American Government I	3
MATH 3322	Introduction to Advanced Mathematics	3
MATH 2415	Calculus III	4
COSC		3
Electives [1]		3
	Hours	**16**
Spring		
MATH 3351 or MATH 3350	Modern Algebra - Rings or Modern Algebra - Groups	3
MATH 4325	Analysis I	3
POLS 2302	Intro/American Government II	3
Secondary Area/Minor [1]		3
Electives [1]		3
	Hours	**15**
Third Year		
Fall		
Secondary Area/Minor [1]		3
MATH Elective [1]		3
MATH Elective [1]		3
MATH 3370	Introduction to the Theory of Statistical Inference	3
Language, Philosophy & Culture		3
	Hours	**15**
Spring		
Social & Behavioral Sciences		3
Secondary Area/Minor [1]		3
Secondary Area/Minor [1]		3
MATH Elective [1]		3
Electives [1]		3
	Hours	**15**
Fourth Year		
Fall		
MATH Elective [1]		3
MATH Elective [1]		3
Secondary Area/Minor [1]		3
Secondary Area/Minor [1]		3
Elective		3
	Hours	**15**
Spring		
Communication		3
POLS 1301	Intro to Political Science	3
Secondary Area/Minor [1]		3
Electives [1]		3
	Hours	**12**
	Total Hours	**120**

[1] Students should meet with their academic advisor to choose their best option.