

**CURRICULUM SUMMARY FOR THE  
BACHELOR OF SCIENCE DEGREE IN MATHEMATICS  
TOTAL CREDITS REQUIRED: 121**

<b>CORE CURRICULUM (STANDARD)*</b>	<b>TCCNS</b>	<b>MAJOR (MATHEMATICS)</b>	<b>OTHER REQUIREMENTS</b>	<b>MINOR/SECOND MAJOR REQUIREMENTS</b>
<b>42 credits</b>	<b>EQUIVALENT</b>	<b>39 credits</b>	<b>19 credits</b>	<b>21 credits</b>
<b><u>Communication:</u></b>		MATH 241 (4)	CS 117 (3)	
ENG 131 (3) **	ENGL 1301	MATH 242 (4)	HED 233 (2)	
ENG 132 (3)	ENGL 1302	MATH 243 (4)	PHYS 217 (1)	
<b><u>Mathematics:</u></b>		MATH 250 (3)	PHYS 251 (3)	
MATH 136 (3)	MATH 2312	MATH 251 (3)	PHYS 218(1)	
<b><u>Life and physical sciences:</u></b>		MATH 331 (3)	PHYS 252 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	MATH 336 (3)	Foreign Language or CS Electives (6)	
CHEM 132 or GEOL 141 (3)	CHEM 1312 or GEOL 1303	MATH 439 (3)		
<b><u>Language, philosophy, and culture:</u></b>		MATH 473 (3)		
ENG 2xx (3) ***		MATH 3xx or 4xx (3)		
<b><u>Creative arts:</u></b>		MATH 3xx or 4xx (3)		
MUSI xxx, ART xxx or THEA xxx (3)****		MATH 3xx or 4xx (3)		
<b><u>American history:</u></b>				
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
<b><u>Government/political science:</u></b>				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
<b><u>Social and behavioral sciences:</u></b>				
PSY xxx, SOC xxx or ECON xxx (3)*****				
<b><u>Institutional Options:</u></b>				
HIST 281 (3), SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1300			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, or ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, or ENGL 2326)

\*\*\*\* MUSI 131, MUSI 136, MUSI 239, THEA 130, ART 135, ART 137 (TCCN: MUSI 1301, MUSI 1306, HUMA 1315, DRAM 1310, ARTS 1301, or HUMA 2323).

\*\*\*\*\* PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231 or ECON 232 (TCCN: PSYC 2301, SOC 1301, SOC 1306, SOC 2306, ANTH 2346, ECON 2301 or ECON 2302)

**Note:** Students interested in receiving a Bachelor of Science Degree in Math and in teaching mathematics grades 8-12 may substitute courses required by the College of Education for educator preparation and certification in place of "MINOR REQUIREMENTS." These courses include: EDCI 310, EDCI 328, EDCI 339, EDCI 350, EDCI 464, Reading 400 and Reading 402. Students interested in teaching may also take PHYS 213, 237, and PHYS 214, 238 in lieu of PHYS 116, 152 and PHYS 217, 251.

**Bachelor of Science Degree in Mathematics  
Degree Plan – Total Credits: 121**

First Year	First Semester		Second Semester	
	ENG 131* Freshman English I	3	ENG 132 Freshman English II	3
	MATH 136* Precalculus	3	MATH 241 Calculus & Analytic Geometry I	4
	CHEM 131 General Chemistry & Lab I or BIOL 143 Survey of Life Science	3	CHEM 132 General Chemistry & Lab II or GEOL 141 Introduction to the Earth	3
	HIST 281 Introduction to African American History or SC 135 or 136 Business & Professional Communication or Public Address	3	Social and Behavioral Science****	3
	Creative Arts**	3	HED 233 History and Principles of Health	2
		15 hrs		15 hrs

Second Year	Third Semester		Fourth Semester	
	ENG 2XX Any 200 Level ENG may be selected	3	MATH 243 Calculus & Analytic Geometry III	4
	MATH 242 Calculus & Analytic Geometry. II	4	Course in Minor/Second Major Field	3
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
	POLS 235 American Government	3	POLS 236 Texas Government	3
	CS 116 Computer Science I	3	CS 117 Computer Science II	3
		16 hrs		16 hrs

Third Year	Fifth Semester		Sixth Semester	
	MATH 250 Linear Algebra	3	MATH 251 Differential Equations	3
	MATH 331 Logic, Sets, & Functions	3	MATH 336 Foundations of Algebra	3
	Foreign Language <b>or</b> CS Elective	3	Foreign Language <b>or</b> CS Elective	3
	PHYS 217 University Physics I Lab	1	PHYS 218 University Physics II Lab	1
	PHYS 251 University Physics I	3	PHYS 252 University Physics II	3
	Course in Minor/Second Major Field	3	Course in Minor/Second Major Field	3
	16 hrs		16 hrs	

Fourth Year	Seventh Semester		Eighth Semester	
	MATH 473 Probability and Statistics I	3	MATH 439 Advanced Calculus I	3
	MATH Elective (6hrs. upper division course)	6	MATH (3hrs. selected from upper division courses)	3
	Course in Minor/Second Major Field	3	Course in Minor/Second Major Field	3
	Course in Minor/Second Major Field	3	Course in Minor/Second Major Field	3
		15 hrs		12 hrs

\* Pending acceptable scores on English and Math Placement Exams.

\*\* MUSI 131, MUSI 136, MUSI 239, THEA 130, ART 135, ART 137

\*\*\* PSY 131, SOC 157, SOC 158, SOC 221, SOC 238, ECON 231 or ECON 232

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