

**CURRICULUM SUMMARY FOR THE BACHELOR OF SCIENCE IN
MATHEMATICS**

TOTAL CREDITS REQUIRED:120

CORE CURRICULUM (STANDARD)*		MAJOR (MATHEMATICS)	OTHER REQUIREMENTS	MINOR / SECOND MAJOR REQUIREMENTS
TSU COURSES	TCCNS EQUIVALENT			
43 credits		38 credits	18 credits	21 credits
Communication:		MATH 242 (4)	CS 117 (3)	
ENG 131 (3) **	ENGL 1301	MATH 243 (4)	PHYS 217 (1)	
ENG 132 (3)	ENGL 1302	MATH 250 (3)	PHYS 251 (3)	
Mathematics:		MATH 251 (3)	PHYS 218 (1)	
MATH 241 (4) ***	MATH 2413	MATH 331 (3)	PHYS 252 (3)	
Life and physical sciences:		MATH 336 (3)	FS 102 (1)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	MATH 439 (3)	Foreign Language or CS Electives (6)	
CHEM 132 or GEOL 141 (3)	CHEM 1312 or GEOL 130 3	MATH 473(3)		
Language, philosophy, and culture:		MATH 498 (3)		
ENG 2xx (3) ***		MATH Electives ^		
Creative arts:		MATH 3xx or 4xx (3)		
MUSI xxx, ART xxx or THEA xxx (3)****		MATH 3xx or 4xx (3)		
American history:		MATH 3xx or 4xx (3)		
HIST 231 (3)	HIST 1301			
HIST 232 (3)	HIST 1302			
Government/political science:				
POLS 235 (3)	GOVT 2305			
POLS 236 (3)	GOVT 2306			
Social and behavioral sciences:				
PSY xxx, SOC xxx or ECON xxx (3)*****	ECON 2301			
Institutional Options:				
SC 135 or SC 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1301			

* 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.

*** MATH 241 will be used to satisfy the mathematics core requirement for mathematics majors only.

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

***** MUSI 136, MUSI 239, THEA 130, ART 135, ART 137 (TCCN: 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)

^ Math Electives may be selected from MATH 332, MATH 335, MATH 345, MATH 376, MATH 430, MATH 431, MATH 460, MATH 461, MATH 462, MATH 463, MATH 464, MATH 465, MATH 471, MATH 474, MATH 475, MATH 476, MATH 490, or MATH 499.

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 217, 251 and PHYS 218, 252.

**BACHELOR OF SCIENCE IN
MATHEMATICS**

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First Year	FIRST SEMESTER		SECOND SEMESTER	
	ENG 131* Freshman English I	3	ENG 132 Freshman English II	3
	MATH 241 ** Calculus & Analytic Geometry I	4	MATH 242 Calculus & Analytic Geometry II	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
	SC 135 or 136 Business & Professional Communication or Public Address	3	Social and Behavioral Science ***	3
	FS 102	1	Creative Arts****	3
	14 Hrs		16 Hrs	

Second Year	THIRD SEMESTER		FOURTH SEMESTER	
	ENG 2XX Any 200 Level ENG may be selected	3	MATH 250 Linear Algebra	3
	MATH 243 Calculus & Analytic Geometry III	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 Political Systems I	3	POLS 236 American Political Systems II	3
	CS 116 Computer Science I	3	CS 117 Computer Science II	3
	16 Hrs		15 Hrs	

Third Year	FIFTH SEMESTER		SIXTH SEMESTER	
	MATH 251 Differential Equations	3	MATH 336 Introduction to Abstract Algebra	3
	MATH 331 Foundations of Mathematics	3	MATH 439 Introduction to Analysis	3
	Foreign Language or CS Elective	3	Foreign Language or 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 498 Capstone Course	3
	MATH Elective ^ (MATH 3XX or MATH 4XX)	3	MATH Elective ^ (MATH 3XX or MATH 4XX)	3
	MATH Elective ^ (MATH 3XX or MATH 4XX)	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.

** MATH 241 will be used to satisfy the mathematics core requirement for mathematics majors only.

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

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

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