

# TEXAS A&M UNIVERSITY-TEXARKANA

COLLEGE OF SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS, NURSING

BACHELOR OF SCIENCE

MAJOR: MATHEMATICS CERTIFICATION: 4-8 Math

NAME: \_\_\_\_\_

CWID: \_\_\_\_\_

GENERAL EDUCATION	HOURS EARNED	REQD	Language, Philosophy, and Culture (3 SCH)	HOURS EARNED	REQD
<b>Communication (6 SCH)</b>			HIST 2321 World Civilizations I		
ENGL 1301 Composition I			HIST 2322 World Civilizations II		
SPCH 1315 Intro to Public Speaking			MCOM 2370 Introduction to Am. Film History		
<b>Government/Political Science (6 SCH)</b>			PHIL 1301 Introduction to Philosophy		
GOVT 2301 Amer Govt I: Fed & TX Constitution			SPAN 1311 Beginning Spanish I		
GOVT 2302 Amer Govt II: Fed & TX Pol Behavior			SPAN 1312 Beginning Spanish II		
<b>American History (6 SCH)</b>			SPAN 2311 Intermediate Spanish I		
HIST 1301 U.S. History I			SPAN 2312 Intermediate Spanish II		
HIST 1302 U.S. History II			<b>Component Area Option (6 SCH)</b>		
<b>Life and Physical Sciences (6 SCH)</b>			ENGL 1302 Composition II (Mandatory of All Students)		
BIOL 1306 Biology for Science Majors I			<b>3 SCH from any of the following:</b>		
BIOL 1307 Biology for Science Majors II			IS 1100 University Foundations (mandatory for FTIC students)		
BIOL 1308 Biology for Non-Science Majors I			ENGL 2340 Writing Across the Disciplines		
BIOL 1309 Biology for Non-Science Majors II			<b>Note: Labs Listed Below are 1 SCH</b>		
CHEM 1311 General Chemistry I			BIOL 1106 Biology for Science Majors I Lab		
CHEM 1312 General Chemistry II			BIOL 1107 Biology for Science Majors II Lab		
EE/CS 2301 Ethics in Technology			BIOL 1108 Biology for Non-Science Majors I Lab		
ENVR 1301 Environmental Science I			BIOL 1109 Biology for Non-Science Majors II Lab		
PHYS 1301 College Physics I			CHEM 1111 General Chemistry I Lab		
PHYS 1302 College Physics II			CHEM 1112 General Chemistry II Lab		
PHYS 1315 Physical Science I			ENVR 1101 Environmental Science I Lab		
PHYS 2325 University Physics I			PHYS 1101 College Physics I Lab		
PHYS 2326 University Physics II			PHYS 1102 College Physics II Lab		
<b>Mathematics (3 SCH)</b>			PHYS 1115 Physical Science I Lab (See Other Requirements)		
MATH 2412 Pre-Calculus (See Major)			PHYS 2125 University Physics I Lab		
<b>Creative Arts (3 SCH)</b>			PHYS 2126 University Physics II Lab		
ARTS 1301 Art Appreciation			<b>Note: Seminars Listed Below are 1 SCH</b>		
DRAM 1310 Introduction to Theater			ENGL 1111 Popular Music as Literature		
ENGL 2321 British Literature			HIST 1111 Cathedrals, Castles, and Monasteries		
ENGL 2326 American Literature			MCOM 1111 Film Appreciation		
ENGL 2331 World Literature			MCOM 1112 The Art of the Comic Book		
MUSI 1306 Music Appreciation			MCOM 1113 Communication in Today's Media Saturated World		
<b>Social and Behavioral Sciences (3 SCH)</b>			PHIL 1111 Ethics		
BUSI 1301 Introduction to Business			Any Course in FCA Not Counted Elsewhere		
CJ 1301 Introduction to Criminal Justice			<b>Teacher Preparation Program Admission Requirements:</b>		
ECON 2301 Prin of Macroeconomics			<b>Apply 3rd Year, 1st Semester</b>		
ECON 2302 Principles of Microeconomics			1. Application to Teacher Prep Program via TK20		
PSYC 2301 General Psychology			2. GPA requirement of 2.8 cumulative		
SOCI 1301 Introduction to Sociology			3. Completion of Ed 321 and Sped 410 with grade C or above		
			4. Completion of 12 sh in Content Area with no grade below C		
			For EC-6: 3 sh Govt or Hist; 3 sh Eng (not 1301 or 1302); 3 sh Math;		
			3 sh Science or other approved content courses		
			5. THEA scores of Reading 240, Math 230, Reading 220		

Note: A minimum of 54 upper division hours are required for this degree. Resident credit totaling 25% of the hours is required for the degree.

This worksheet is not a degree plan and should be used for informational purposes only.

**Degree: BACHELOR OF SCIENCE IN MATHEMATICS 4-8**

NAME: \_\_\_\_\_ CWID: \_\_\_\_\_

MAJOR:	HOURS	
	Earned	REQD
MATH 2412 Pre-Calculus (4 SCH) (from Gen Ed)		
or		
MATH 1314 College Algebra and MATH 1316 Plane Trigonometry		
MATH 2305 Discrete Mathematics		
MATH 2318 Linear Algebra		
MATH 2413 Calculus I (4 SCH)		
MATH 2414 Calculus II (4 SCH)		
MATH 2415 Calculus III (4 SCH)		
MATH 321 College Geometry		
MATH 334 Introduction to Abstract Algebra		
MATH 352 Mathematical Foundations and Applications		
MATH 357 Probability & Statistics		
MATH 426 Problem Solving		
MATH 430 Mathematical Modeling		
MATH 437 Number Theory		
MATH 493 Capstone in Mathematics		
<b>Other Requirements:</b>		
ITED 350 Technology for Instruction, Learning & Communication		
PHYS 1415 Physical Science (4SCH) (Note: Lab will Count on Core Component Area Option)		
RDG 343 Reading Beyond Primary Grades		
RDG 350 Emergent Literacy Development		
<b>PROF. DEVELOPMENT</b>		
ED 311 Growth and Development for Early Childhood to Grade 12		
ED 321 Foundations of Education		
ED 435** Curriculum		
SPED 410 Characteristics of Diverse Learners		
<b>Field-Based Semester:</b>		
ED 331** Classroom & Behavior Management		
ED 495** Co-Teaching Field Experience		
<b>Student Teaching Semester:</b>		
ED 496** Co-Teaching Practicum		
SPED 418** Research, Trends, & Issues in Education		
<b>**Requires Admission to Teacher Prep Prog</b>		
<b>Minimum grade of "C" required in all Major and Professional Development courses</b>		
<b>ELECTIVES</b> (as needed to satisfy minimum degree requirements including 54 SCH Upper Division Coursework)		
<b>TOTAL HOURS FOR DEGREE: 120</b>		

Note: A minimum of 54 upper division hours are required for this degree. Resident credit totaling 25% of the hours is required for the degree.

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