

TEXAS A&M UNIVERSITY-TEXARKANA

COLLEGE OF SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS, NURSING

BACHELOR OF SCIENCE

MAJOR: MATHEMATICS CERTIFICATION: 7-12 Math

NAME: _____

CWID: _____

GENERAL EDUCATION	HOURS EARNED	REQD
Communication (6 SCH)		
ENGL 1301 Composition I		
SPCH 1315 Intro to Public Speaking		
Government/Political Science (6 SCH)		
GOVT 2301 Amer Govt I: Fed & TX Constitution		
GOVT 2302 Amer Govt II: Fed & TX Pol Behavior		
American History (6 SCH)		
HIST 1301 U.S. History I		
HIST 1302 U.S. History II		
Life and Physical Sciences (6 SCH)		
BIOL 1306 Biology for Science Majors I		
BIOL 1307 Biology for Science Majors II		
BIOL 1308 Biology for Non-Science Majors I		
BIOL 1309 Biology for Non-Science Majors II		
CHEM 1311 General Chemistry I		
CHEM 1312 General Chemistry II		
EE/CS 2301 Ethics in Technology		
ENVR 1301 Environmental Science I		
PHYS 1301 College Physics I		
PHYS 1302 College Physics II		
PHYS 1315 Physical Science I		
PHYS 2325 University Physics I		
PHYS 2326 University Physics II		
Mathematics (3 SCH)		
MATH 2412 Pre-Calculus (See Major)		
Creative Arts (3 SCH)		
ARTS 1301 Art Appreciation		
DRAM 1310 Introduction to Theater		
ENGL 2321 British Literature		
ENGL 2326 American Literature		
ENGL 2331 World Literature		
MUSI 1306 Music Appreciation		
Social and Behavioral Sciences (3 SCH)		
BUSI 1301 Introduction to Business		
CJ 1301 Introduction to Criminal Justice		
ECON 2301 Prin of Macroeconomics		
ECON 2302 Principles of Microeconomics		
PSYC 2301 General Psychology		
SOCI 1301 Introduction to Sociology		

	HOURS EARNED	REQD
Language, Philosophy, and Culture (3 SCH)		
HIST 2321 World Civilizations I		
HIST 2322 World Civilizations II		
MCOM 2370 Introduction to Am. Film History		
PHIL 1301 Introduction to Philosophy		
SPAN 1311 Beginning Spanish I		
SPAN 1312 Beginning Spanish II		
SPAN 2311 Intermediate Spanish I		
SPAN 2312 Intermediate Spanish II		
Component Area Option (6 SCH)		
ENGL 1302 Composition II (Mandatory of All Students)		
3 SCH from any of the following:		
IS 1100 University Foundations (mandatory for FTIC students)		
ENGL 2340 Writing Across the Disciplines		
Note: Labs Listed Below are 1 SCH		
BIOL 1106 Biology for Science Majors I Lab		
BIOL 1107 Biology for Science Majors II Lab		
BIOL 1108 Biology for Non-Science Majors I Lab		
BIOL 1109 Biology for Non-Science Majors II Lab		
CHEM 1111 General Chemistry I Lab		
CHEM 1112 General Chemistry II Lab		
ENVR 1101 Environmental Science I Lab		
PHYS 1101 College Physics I Lab		
PHYS 1102 College Physics II Lab		
PHYS 1115 Physical Science I Lab		
PHYS 2125 University Physics I Lab		
PHYS 2126 University Physics II Lab		
Note: Seminars Listed Below are 1 SCH		
ENGL 1111 Popular Music as Literature		
HIST 1111 Cathedrals, Castles, and Monasteries		
MCOM 1111 Film Appreciation		
MCOM 1112 The Art of the Comic Book		
MCOM 1113 Communication in Today's Media Saturated World		
PHIL 1111 Ethics		
Any Course in FCA Not Counted Elsewhere		
Apply 3rd Year, 1st Semester		
1. Application to Teacher Prep Program via TK20		
2. GPA requirement of 2.8 cumulative		
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 7-12

NAME: _____ CWID: _____

MAJOR	HOURS	
	Earned	REQD
MATH 2412 Pre-Calculus (4 SCH)*		
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 & Applications		
MATH 357 Probability & Statistics		
MATH 426 Problem Solving		
MATH 430 Mathematical Modeling		
MATH 437 Number Theory		
MATH 493 Capstone in Mathematics		
Other Requirements:		
ITED 350 Technology for Instruction, Learning & Communication		
RDG 343 Reading Beyond Primary Grades		
PROF. DEVELOPMENT		
ED 311 Growth and Development for Early Childhood to Grade 12		
ED 321 Foundations of Education		
ED 435** Curriculum		
SPED 410 Character of Diverse Learners		
Field-Based Semester:		
ED 331** Classroom Behavior & Management		
ED 495** Co-Teaching Field Experience		
Student Teaching Semester:		
ED 496** Co-Teaching Practicum		
SPED 418** Research, Trends, & Issues in Educ.		
* Also satisfies core curriculum		
**Requires Admission to Teacher Prep Prog		
Minimum grade of "C" required in all Major and Professional Development Courses		
ELECTIVES (as needed to satisfy minimum degree requirements including 54 SCH in Upper Division coursework)		
TOTAL HOURS FOR DEGREE: 120		

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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