

Texas A&M University-Central Texas

Name _____ SSN _____ Date _____

Bachelor of Science in Mathematics (8-12 Certification) (2009-2010)

General Education Requirement	Course Number (w/TCCNS equivalent)	Institution	Complete
Communications (010) 6 hours	ENGL 111 (ENGL 1301) Composition I		
	ENGL 112 (ENGL 1302) Composition II		
U. S. History (060) 6 hours	HIST 201 (HIST 1301) U.S. History through 1877		
	HIST 202 (HIST 1302) U.S. History Since Reconstruction		
Political Science (070) 6 hours	POLS 201 (GOVT 2302) American National Government		
	POLS 202 (GOVT 2301) Texas Government		
Speech (011) 3 hours	COMS 101 (SPCH 1311) Fundamentals of Speech		
	COMS 102 (SPCH 1315) Public Speaking		
	COMS 301 (SPCH 1321) Business & Professional Speaking		
Humanities (040) 3 hours	Literature course in English or PHIL 101 (1301) Introduction to Philosophy		
Natural Science (030) 7 hours	PHY 122 (2425) Principles of Physics I		
	CHEMISTRY, BIOLOGY, GEOLOGY, & PHYSICS		
Mathematics (020) 3 hours	MATH 107 (Math 1314) College Algebra		
Social/Behavioral Science (080) 3 hours	See TAMU-CT General Education Requirements below ²		
Visual/Performing Arts (050) 3 hours	See TAMU-CT General Education Requirements below ²		
Wellness (090) 2 hours	HLTH 101 (PHED 1304) or 2 hours of activity P.E.		

Major Requirements	Hours	Institution	Complete
EDU 320 Professional Development I: Understanding Learners	3		
EDU 330 Professional Development II: Effective Instruction	3		
EDU 430 Professional Development III: Application of Effective Teaching Practices	3		
EDU 435 Professional Development IV: Issues in Professional Development	3		
EDU 490 Practicum in Teaching	3		
ENGL 309 Technical Writing	3		
MATH 120 (2413) Calculus I	4		
MATH 131 (1342) Intro to Probability and Statistics	3		
MATH 209 (2414) Calculus II	4		
MATH 232 Applied Matrix Algebra	3		
MATH 301 Number Theory	3		
MATH 306 Differential Equations	4		
MAHT 310 Discrete Mathematics	3		
MATH 311 Probability and Statistics	3		
MATH 332 Linear Algebra	3		
MATH 333 (2415) Calculus III	4		
MATH 402 College Geometry	3		
MATH 404 Survey of Mathematical Ideas	3		
MATH 409 Advanced Analysis	3		
MATH 432 Abstract Algebra	3		
PHYS 122 (2425) Principles of Physics I (*also meets core requirement)	4		
RDG 351 Content Area Reading	3		
PSY 220 (2308) Child & Adolescent Psychology or PSY 303 Educational Psychology	3		
Advanced C S Elective (300 or 400 level)	3		
C S Elective	3		
Elective			

Total hours: 120

****Please note that courses in bold are lower level courses that must be taken at one of our two-step transfer colleges (Central Texas College, Temple College) or at another university.****

¹ This course may be counted toward the general education and the major requirement.

² Select from the appropriate section of the General Education Course List in the 09-10 catalog.