

**DALTON STATE COLLEGE ~ SCHOOL OF EDUCATION
SECONDARY MATH EDUCATION PROGRAM OF STUDY**

Name _____

AREA A - Essential Skills-must have "C" or above	9	Grade	AREA E – Social Sciences	12
ENGL 1101 English Composition I	3		HIST 2111 or 2112 United States History	3
ENGL 1102 English Composition II	3		POLS 1101 American Government	3
MATH 1113 Precalculus (Prerequisite: MATH 1111, or one year of high school math above Algebra II) MATH 2253 may be used if the student meets the prerequisites.	3		Electives (choose two) ANTH 1103, ECON 2105, 2106, GEOG 1100, 1101, GEOG 1111, HIST 1111, 1112, 2111, 2112, PHIL 1101, 1102, 1103, POLS 2101, 2201, 2301, 2401, PSYC 1101, 2101, 2204, 2250, SOCI 1101, 1160	6
AREA B – Institutional Options	4-6		AREA F Major Related – must have "C" or above	18
COMM 1110 Fundamentals of Speech	3		MATH 2254 Calculus & Analytic Geometry II	4
Elective: (choose one) BIOL 1001, COMM 1120, ENGL 1105, 1110, HIST 1050, 1051, HUMN 1000, 1100, PHED 1030, SOCI 1000	1		MATH 2255 Calculus & Analytic Geometry III	4
AREA C – Humanities/Fine Arts	6		MATH 2256 Introduction to Linear Algebra	3
English/Humanities Electives (choose two) ENGL 1201, 2111, 2112, 2120, 2121, 2130, 2131, HUMN 1201, MUSC 1100	6		MATH 2403 Differential Equations	4
			CMPS 1301 Principles of Programming I	3
AREA D – Science/Mathematics	12		PHYSICAL EDUCATION	
Electives: BIOL 1107K & 1108K, or CHEM 1211 & 1212, or PHYS 111K & 1112K, or PHYS 2211K & 2212 (courses in bold are recommended)	8		PHED Activity Elective	1
MATH 2253 Calculus & Analytic Geometry I	4			
Prerequisites for Professional Education Courses ~ must have "C" or above				
EDUC 2110c Investigating Critical & Contemporary Issues in Education (includes 10 hr. practicum)				3
EDUC 2120 Exploring Socio Cultural Perspectives on Diversity (includes 10 hr. practicum)				3
EDUC 2130 Exploring Teaching and Learning (includes 10 hr. practicum)				3
Completion of Area A, Regents & 30 academic hrs. are required prior to enrollment in EDUC 2110c, 2120, & 2130				
UPPER LEVEL COURSES (A grade of "C" or above required for all upper level courses)				
Professional Education Semester 1: Completion of MATH 3101 ~ EDUC 3902 and EDUC 3272 must be taken concurrently				
EDUC 3902 Curriculum & Assessment for Secondary Math/Science Teachers				3
EDUC 3272 Classroom Management Seminar and Field Experience I				2
Professional Education Semester 2: Completion of 9 credit hours of major curriculum math courses are required prior to enrollment in Semester 2 (may not include MATH 3703, 3803, or 4713)~EDUC 4901 & EDUC 3273 must be taken concurrently				
EDUC 4901 Methods and Strategies for Secondary Teachers				3
EDUC 3273 Classroom Management Seminar and Field Experience II				2
Professional Education Semester 3: Completion of 15 credit hours of major curriculum math courses are required prior to enrollment in Semester 3 (may not include MATH 3703, 3803, or 4713)~READ 3120 & EDUC 3274 must be taken concurrently				
READ 3120 Reading & Writing Across the Curriculum				3
EDUC 3274 Classroom Management Seminar and Field Experience III				2
Professional Education Semester 4: Completion of 28 credit hours of major curriculum math courses are required prior to enrollment in Semester 4 (may not include MATH 3703, 3803, or 4713) ~ EDUC 4951, EDUC 4953 & EDUC 3120 must be taken concurrently				
EDUC 4951 Internship				8
EDUC 4953 Internship Seminar				1
EDUC 3120 Teaching At-Risk, Exceptional, Diverse				3
MAJOR CURRICULUM				31
MATH 3101 Introduction to Advanced Mathematics (Prerequisite MATH 2255)				3
MATH 3201 Geometry (Prerequisite MATH 3101)				3
MATH 3301 Combinatorics (Prerequisite MATH 2254)				3
MATH 3401 Linear Algebra (Prerequisite MATH 2256)				3
MATH 2770 Statistics & Applications (Prerequisite MATH 2255)				3
MATH 4101 Abstract Algebra I (Prerequisite MATH 3101)				3
MATH 4201 Number Theory (Prerequisite MATH 3101)				3
MATH 4301 Graph Theory (Prerequisite MATH 3101)				3
MATH 4701 Probability and Statistics I (Prerequisite MATH 2770)				3
MATH 4601 Real Analysis (Prerequisite MATH 3101)				4

