

CHECKLIST FOR MATHEMATICS EDUCATION 7-12 Licensure rev. 10-2-08

Total hours: 153 or 161*

Major (52 hours)	GENERAL EDUCATION (65 or 73* hours)
EDUC 419 Content Area Reading	CISC 100 Computer as a Tool
MATH 104 Calculus I	CISC 216 Computer as a Classroom Support System
MATH 204 Calculus II	CMNS 330 The Hebrew and Christian Traditions
MATH 300 Elementary Differential Equations	CMNS 380 The Political Traditions of the West
MATH 304 Calculus III	ENGL 100 Introduction to College Writing*
One of the following sequences:	ENGL 110 Composition and Rhetoric
CISC 105 Problem Solving and Algorithm Development & CISC 110 Introduction to Programming I or	ENGL 111 Composition, Research and Rhetoric
CHEM 101 Chemistry I &	EVSC 111 Environmental Science
CHEM 102 Chemistry II or	HIST 101/2 The West and the World I <u>or</u> II
PHYS 101 General Physics I &	HIST 201/2 U.S. History I or II
PHYS 102 General Physics II	MATH 101 Basic Math*
Any 6 of the following: (highly recommended for Praxis preparation*)	MATH 102 College Algebra
*MATH 103 Trigonometry	OREN 105 Tusculum Experience (1 hr.)
*MATH 111 Finite Mathematics	PHED 201 Foundations of Physical Fitness and Wellness
*MATH 205 Geometry	PSYC 101 Essentials of Psychology
*MATH 215 Elementary Statistics	PSYC 200 Developmental Psychology
*MATH 301 Abstract Algebra	PSYC 305 Educational Psychology
MATH 320 Discrete Mathematics	SOCI 101 Principles and Social Institutions
*MATH 350 Linear Algebra	
MATH 360 Numerical Analysis	
MATH 415 Differential Equations II	
MATH 450 Independent Study in Mathematics	
PROFESSIONAL EDUCATION (36 hours)	
SPED 101 Survey of the Regular and Special Populations Within the School Environment	CHOOSE ONE:
EDUC 200 History and Philosophy of Education	MUSC 101 Introduction to Western Music
EDUC 320 Classroom Discipline and Management	THEA 104 Introduction to Theatre
HGLN 337 Assessment and Evaluation	VISA 110 Introduction to Art
EDUC 342 Learning Environments 7-12	VISA 204 Ancient Through Renaissance Art
EDUC 452 Student Teaching Seminar (4 hours)	VISA 208 Baroque Through Modern Art
EDUC 456 Enhanced Student Teaching: 9-12 (6 hours)	
EDUC 458 Enhanced Student Teaching: 7-8 (6 hours)	*Not required if ACT scores merit