

2006-07 CHECKLIST FOR MATHEMATICS EDUCATION 7-12 Licensure rev. 7-17-06

Total hours: 152 or 158*

Major (52 hours)	GENERAL EDUCATION (64 or 70* 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	ENGL 100 Introduction to College Writing*
MATH 300 Elementary Differential Equations	ENGL 110 Composition and Rhetoric
MATH 304 Calculus III	ENGL 111 Composition, Research and Rhetoric
One of the following sequences:	EVSC 111 Environmental Science
CISC 105 Problem Solving and Algorithm Development & CISC 110 Introduction to Programming I or	HIST 101 or 102 The West and the World I <u>or</u> II HIST 201 or 202 U.S. History I or II
CHEM 101 Chemistry I &	MATH 101 Basic Math*
CHEM 102 Chemistry II or	MATH 102 College Algebra
PHYS 101 General Physics I &	OREN 105 Tusculum Experience (1 hr.)
PHYS 102 General Physics II	PHED 201 Foundations of Physical Fitness and Wellness
Any 6 of the following: (highly recommended for Praxis preparation*)	POLS 380 The Political Traditions of the West
*MATH 103 Trigonometry	PSYC 101 Essentials of Psychology
*MATH 111 Finite Mathematics	PSYC 200 Developmental Psychology
*MATH 205 Geometry	PSYC 305 Educational Psychology
*MATH 215 Elementary Statistics	RELG 330 The Hebrew and Christian Traditions
*MATH 301 Abstract Algebra	SOCI 101 Principles and Social Institutions
*MATH 350 Linear Algebra	
MATH 320 Discrete Mathematics	
MATH 360 Numerical Analysis	
MATH 405 Complex Analysis	
MATH 410 Partial Differential Equations	
MATH 415 Differential Equations II	
MATH 450 Independent Study in Mathematics	
*Highly recommended for Praxis preparation	CHOOSE ONE:
PROFESSIONAL EDUCATION (36 hours)	
EDUC 200 History and Philosophy of Education	MUSC 101 Introduction to Western Music THEA 104 Introduction to Theatre
EDUC 320 Classroom Discipline and Management	VISA 110 Introduction to Art VISA 204 Ancient Through Renaissance Art VISA 208 Baroque Through Modern Art
HGLN 337 Assessment and Evaluation	
EDUC 342 Learning Environments 7-12	
EDUC 452 Student Teaching Seminar (4 hours)	
EDUC 456 Enhanced Student Teaching: 9-12 (6 hours)	*Not required if ACT scores merit
EDUC 458 Enhanced Student Teaching: 7-8 (6 hours)	
SPED 101 Survey of the Regular and Special Populations Within the School Environment	