Requirements of the Comput	ter and Mathematical Sciences Secondary Education C	oncentration
Required Computer	Science Courses	
CIS 377	Information Systems Security	3
COSC 109	Computers and Creativity (Core 4)	3
COSC 236 ¹	Introduction to Computer Science I	4
COSC 237	Introduction to Computer Science II	4
COSC 336	Data Structures and Algorithm Analysis	4
COSC 412	Software Engineering	3
COSC 418	Ethical and Societal Concerns CS (Core 14)	3 3 3
COSC 482	Teaching Computer Science in Secondary Schools	3
COSC 492	Internship Secondary Education-Computer Science	6
ITEC 250	Fundamentals of Computer Networks	3
Required Mather	natics Courses	
MATH 265	Elementary Linear Algebra	4
MATH 267	Introduction to Abstract Mathematics	4
or MATH 263 Discrete Math		3
MATH 273	Calculus I (Core 3)	4
MATH 274	Calculus II	4
MATH 275	Calculus III	4
MATH 310	Functions and Modeling (Core 9)	3
MATH 330	Introduction to Statistical Methods	4
MATH 353	Euclidean and Non-Euclidean Geometry	3
MATH 423	Teaching Mathematics in the Secondary Schools	3
MATH 426	Internship Secondary Education – Mathematics	6
Required Educat	ion Courses	
SEMS 110	Intro to STEM Teaching I	1
SEMS 120	Intro to STEM Teaching II	1
SEMS 230	Knowing & Learning	3
SEMS 240	Classroom Interactions	3 3 3 3 3
SEMS 250	Perspectives in Science and Mathematics (Core 5)	3
SEMS 370	Project-Based Instruction	3
SEMS 498	Intern. Math and Science Secondary Education	3
SEMS 430	Seminar in STEM Education	1
SCED 460	Using Reading & Writing in the Secondary Schools	4
SCED 461	Teaching Reading in the Secondary Content Areas	3
Additional Cours	es Needed to Satisfy the Core Curriculum	
(Core Curriculum	Categories 1, 2, 6, 7, 8, 10, 11, 12, 13)	28
Total Credit Count		127