MATHEMATICS TEACHING CONCENTRATION

MATH 300	Technology in Mathematics Education	4
MATH 341	Theory of Numbers	4
MATH 419	Introduction to the History of Mathematics	4
MATH 423	Advanced Mathematics for Teaching	4
MATH 442	Euclidean Geometry	4
MATH 443	Modern Geometries	4
MATH 482	Abstract Algebra II	4
SCM 300	Early Field Experience [1]	4
STAT 301	Statistics I	4
STAT 302	Statistics II	4
or STAT 305	Introduction to Probability and Simulation	
Select from the following:		8
CSC/CPE 202	Data Structures	
MATH 304	Vector Analysis	
MATH 335	Graph Theory	
MATH 344	Linear Analysis II	
MATH 350	Mathematical Software	
MATH 406	Linear Algebra III	
MATH 410	Complex Analysis I	
MATH 413	Introduction to Analysis II	
MATH 416	Differential Equations II	
MATH 435	Discrete Mathematics with Applications I	
MATH 437	Game Theory	
MATH 440	Topology I	
MATH 451	Numerical Analysis I	
MATH 459	Senior Project Seminar	
or MATH 460	Senior Project Applied Seminar	
MATH 461 & MATH 462	Senior Project I and Senior Project II	
MATH 470	Selected Advanced Topics	
MATH 483	Abstract Algebra III	
PHYS 142	General Physics II	
or PHYS 143	General Physics III	
PHYS 305	Classical Mechanics I	
STAT 425	Probability Theory	
Total units		**48**

[1]   SCM 300 requires 45 hours of observations at local schools. Students should plan their schedules to have a four-hour block free during elementary school hours each week.