

Candidate's Program Sheet/Mathematics Certification
School of Education/ Francis Marion University
 Effective August, 2016



Name _____

Advisor _____

ID Number _____

MATHEMATICS MAJOR

General Education (51 hours)

Basic Communication (9 - 10 hours)

	Sem Hours
ENGL 101 (or ENG 101E/L)	3 or 4
ENGL 102: Composition III	3
SPCH 101: Oral Communications	3

Social Sciences (9 hours)

POL 101 or 103	3
Anthropology, Economics, Geography, or Sociology	3
Anthropology, Economics, Geography, Political Science, Sociology, or Honors 250-259	3

Humanities (12 hours)

Literature (any language)	3
History	3
Art 101, Music 101, or Theatre 101	3
MATH 315: History of Mathematics	3

Mathematics (6 hours)

Requirement satisfied by major courses	3
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Natural Sciences (12 hours)

<i>(Labs are required)</i>	
Biology	4
Chemistry, Physics, or Physical Science	4
Astronomy, Biology, Chemistry, Physics, Physical Science, Psychology 206/216, or Honors 280-289	4

Pre-Professional Education (7 hours)

EDUC 190: The Student, School, & Community	3
EDUC 191: Introduction to Education	1
EDUC 305: Foundations of Instruction & Curriculum	3

Professional Education (29 hours)

EDUC 310 ¹ or Computer Science 190 or higher	3
EDUC 311: Foundations of Planning and Assessment	3
EDUC 313: Field Experience in Instruct Planning	1
EDUC 380: Introduction to Exceptional Students	2
EDUC 393: Clinical Experience: Secondary	2
EDUC 436: Teaching Math in Secondary School	3
<i>ED 393 & ED 436 are corequisites</i>	
EDUC 487: ² Classroom Management	3
EDUC 490: ² Directed Teaching	12

¹ Praxis I required for Education courses 310 and higher - have to be fully admitted to Professional Education Program

² Praxis II PLT and Specialty Area required for admission to student teaching

Supporting Courses (6 hours)

*Requires Admission to the Professional Education Program

EDUC 322: Foundations in the Instruction of Reading	3
EDUC 411: Reading and Writing in the Content Areas	3

Mathematics Course Requirements (33 hours)

	Sem Hours
MATH 201: Calculus I	3
MATH 202: Calculus II	3
MATH 203: Calculus III	3
MATH 230: Discrete Mathematics	3
MATH 304: Linear Algebra	3
MATH 306: Multivariable Calculus	3
MATH 311: Transition to Higher Mathematics	3
MATH 312: Probability & Statistics II	3
MATH 315: History of Mathematics	-
MATH 345: Plane Geometry	3
MATH 405: Abstract Algebra	3
MATH 499: Mathematics Capstone	3

Choose one of the following computer science courses:
 CS 190, 212, or 226

Need one collateral (12 hrs)

Total Number of Hours: 121 - 129

Teacher candidates & prospective teacher candidates are ultimately responsible for their own progress through programs at FMU. Candidates should consult the university catalog frequently to ensure that they comply with requirements for entrance into, progress within, and successful completion of an education program.