Preparing Educators who are Scholars and Leaders

Mathematics Licensure
(South Carolina – Grades 9-12)

General Education Requirements (Specific to Licensure Requirements):

☐ (4) Two science courses (biological or physical) with one course having a separate lab experience

Specialty Area Preparation, Mathematics: (Core Courses - 4 Credit Hours)

☐ MTH 150 (4) Analytic Geometry and Calculus I
☐ OR
☐ MTH 141 (4) Integrated Precalculus & Calculus II

The Following Courses (40 Credit Hours):

☐ MTH 151 (4) Analytic Geometry and Calculus II
☐ MTH 160 (4) Vectors and Matrices
☐ MTH 250 (4) Vector Calculus
☐ MTH 255 (4) Differential Equations
☐ MTH 260 (4) Introduction to Discrete Mathematics
☐ MTH 325 (4) Modern Geometry
☐ MTH 340 (4) Probability
☐ MTH 450 (4) Real Analysis
☐ MTH 460 (4) Modern Algebra
☐ MTH 341 (4) Mathematical Statistics

** One of the Following (4 Credit Hours):

☐ MTH 235 (4) Operations Research
☐ MTH 360 (4) Linear Algebra and Matrix Theory
☐ MTH 320 (4) Number Theory
☐ MTH 330 (4) Combinatorics & Graph Theory
☐ MTH 350 (4) Complex Variables
☐ MTH 335 (4) Mathematical Models and Applications
☐ MTH 451 (4) Topics in Analysis
☐ MTH 461 (4) Topics in Algebra

Recommended Course Work: CSC 105 (Introduction to Computer Science I) Is Highly Recommended, But Is Not Required For A Mathematics Major Seeking Secondary Licensure.

Professional Preparation:

☐ EDU 111 (4) Perspectives on American Education (EDU 001 Lab included)
☐ EDU 120 (4) Human Growth and Development
☐ EDU 221 (4) Education of Students with Exceptionalities  (Prerequisites: EDU 111, 120)

Senior Year (Prerequisites: EDU 111, 120, 221)

☐ EDU 350 (2) Curriculum and Methods of Teaching in Grades 9-12 (Fall Term of Senior Year)

Spring Term of Senior Year (16 Credit Hours):

☐ EDU 433 (3) Foundations of Literacy Instruction
☐ EDU 434 (3) Content Literacy Strategies and Modifications for Diverse Learners
☐ EDU 455 (4) Teaching Mathematics in Grades 9-12
☐ EDU 460 (2) Critical Issues in Secondary Education
☐ EDU 472 (4) Practicum: Secondary Teaching

Teaching Internship: (Fall Term After Graduation)

☐ EDEP 670 (6) Teaching Internship

The following (See Education Department):

☐ Apply for Admission to Furman Teacher Education Program.
☐ Praxis Core Academic Skills for Educators (Computerized): Reading (Test Code 5712); Writing (Test Code 5722); and Mathematics (Test Code 5732) to be taken prior to junior year. Teacher candidates who attain an 1100 or above on the two-part SAT or a comparable score of 24 on the ACT are exempt from taking the Praxis Core; teacher candidates who attain a 1650 or above on the three-part SAT taken after March 1, 2005 are also exempt.
☐ Praxis Test (Computerized): Mathematics: Content Knowledge (Test Code 5161) (SC required minimum score: 160) to be taken November or January of senior year.*
☐ Praxis Test (Computerized): Principles of Learning & Teaching Grades 7-12 (Test Code 5624) (Minimum Score: 157) to be taken March or April of the senior year.*
☒ *Registration information provided in August of senior year.
☐ Apply for Approved South Carolina Teacher Licensure in Mathematics (Application and fingerprinting information provided in Fall of the senior year).

Revised March 1, 2016
Effective 2016-17 Academic Year