

I. GENERAL EDUCATION CURRICULUM44

Math 1110 will count toward Quantitative Literacy general education requirement.

II. PROFESSIONAL EDUCATION REQUIREMENTS24

A minimum grade of C is required in each professional education course. CI 2300 & FDN 2400 are required prior to admission to Teacher Educ.

- CI 2300 (2) Teaching and Learning in the Digital Age
FDN 2400 (2) Critical Perspectives on Teaching and Learning
PSY 3010 (3) Psychology Applied to Teaching
SPE 3300* (3) Creating Inclusive Learning Communities
CI 3400* (2) Policies and Practice in Educational Assessment
CI 4900 (12) Student Teaching [CAP]

PROFICIENCIES:
Reading
English
Speech

*Admission to Teacher Education required.

NOTE: To be admitted to the Teacher Education Program students must take and satisfy testing requirements for Reading, Writing and Math areas of the PRAXIS (PPST or CBT).

III. MAJOR REQUIREMENTS (not including 4 s.h. counted in Area I, above)44

2.0 major GPA is required for graduation. Major GPA calculation will include all courses taken in the major department, plus any other courses under III. Minimum of 18 semester hours of courses taken to fulfill major requirements must be courses offered by Appalachian.

A. Area of Specialization in Preparation for Teaching: (46-47 hours)

Mathematics:

- MAT 1110 (4) Calculus with Analytic Geometry I
MAT 1120* (4) Calculus with Analytic Geometry II
MAT 2240 (3) Introduction to Linear Algebra
MAT 3010 (2) Survey in the History of Mathematics
MAT 3015 (2) Junior Seminar for Mathematics Majors in Education
MAT 3110* (3) Introduction to Modern Algebra [WID]
MAT 3220* (3) Introduction to Real Analysis I [WID]
MAT 3310 (3) Discrete and Continuous Mathematical Models
MAT 3520 (1) Instructional Assistance
MAT 3610* (3) Introduction to Geometry
MAT 4015 (3) Senior Seminar for Mathematics Majors in Education
STT 4811 (3) Statistical Concepts and Applications I
STT 4812 (3) Statistical Concepts and Applications II with Probability Modeling

* Grade of C required in MAT 1120, 3610, and 3110 or 3220 for CI 4900

Choose one:

- MAT 2110 (3) Techniques of Proof
MAT 2510 (4) Sophomore Honors Seminar

5-6 s.h. approved courses in Mathematical Sciences to bring total hrs in AREA III to 48 hrs (at least 3 s.h. MAT at 4000 level):

B. Other Required Courses (2 hours)

Education:

- CI 3080* (2) Teaching High School Math

*Minimum "C" grade required

IV. MINOR (optional)

Signature lines for Student, Advisor, Chairperson, and Date.

V. ELECTIVES (taken to total 122 hours for the degree).....10

2 semester hours of free electives must be outside the major discipline.

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