

I. GENERAL EDUCATION CURRICULUM 44

Math 1110 will count toward Quantitative Literacy general education requirement.

II. MAJOR REQUIREMENTS (not including 4 s.h. counted in Area I, above) 61

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 II. Minimum of 18 semester hours of courses taken to fulfill major requirements must be courses offered by Appalachian.

An acceptable program of at least 65 semester hours but no more than 80, with a minimum of 34 hours in the Department of Mathematical Sciences.

A. Mathematics (15 hours)

- MAT 1110 _____ (4) Calculus w/ Analytic Geometry I (Pre: MAT 1025)
- MAT 1120 _____ (4) Calculus w/ Analytic Geometry II (Pre: MAT 1110)
- MAT 2130 _____ (4) Calculus w/ Analytic Geometry III (Pre: MAT 1120)
- MAT 2240 _____ (3) Introduction to Linear Algebra (Pre: MAT 1120)

B. Statistics (17-18 hours)

- STT 3820 _____ (3) Statistical Methods I (Pre: STT 2810) **OR** STT 3850 _____ (4) Statistical Data Anly I (Pre: MAT 1110)
- STT 3830 _____ (3) Statistical Methods II (Pre: STT 3820) **OR** STT 3851 _____ (3) Statistical Data Anly II **[WID]** (Pre: STT 3850)
- STT 4830 _____ (3) Linear Regression Models (Pre: MAT 2240; STT 3830)
- STT 4860 _____ (3) Probability Models & Statistical Inference I (Pre: MAT 2130)
- STT 4865 _____ (3) Statistical Inference II (Pre: STT 4860)
- STT 4870 _____ (2) Senior Seminar in Statistics **[CAP]**

C. Select one (3 hours)

- STT 3840 _____ (3) Elementary Probability and Survey Sampling (Pre: STT 2810)
- STT 4820 _____ (3) Design and Analysis of Experiments (Pre: STT 3820)

D. Five or six hours of approved electives in Mathematical Sciences and 6 hours of related* coursework to bring total hours in AREA II to 65 hours**

E. A "concentration" of at least 18 semester hours from disciplines outside mathematical sciences.**

*Related coursework may be outside mathematical sciences and must be approved by advisory committee

** Must be approved by advisory committee.

III. MINOR (optional)

Major Requirements that count in Gen Education:	
Quantitative Literacy	
MAT 1110	4 s.h.
Total Major hrs:	61
Gen Ed hrs:	- 4
Net Major hrs:	57

IV. ELECTIVES (taken to total 122 hours for the degree)..... 17
2 semester hours of free electives must be outside the major discipline **122**