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)...............................................................................65

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.

Course requirements for the Bachelor of Science degree in actuarial sciences are as follows (with program subject to the approval of the advisory committee). An acceptable program consists of at least 69 semester hours but no more than 80, with a minimum of 37 hours in the Department of Mathematical Sciences.

A. Mathematics – 37 s.h.

MAT 1110 _____ (4) Calculus w/ Analytic Geometry I (Pre: MAT 1025 w/grade of C-)
MAT 1120 _____ (4) Calculus w/ Analytic Geometry II (Pre: MAT 1110 w/grade of C-)
MAT 2130 _____ (4) Calculus w/ Analytic Geometry III (Pre: MAT 1120 w/grade of C-)
MAT 2240 _____ (3) Introduction to Linear Algebra (Pre: MAT 1120)
MAT 3330 _____ (3) Financial Mathematics (Pre: MAT 1120)
MAT 4330 _____ (3) Senior Seminar in Actuarial Sciences [CAP] (Pre: MAT 3330; Co: STT 4865)
STT 3850 _____ (4) Statistical Data Analysis I (Pre: MAT 1110)
STT 3851 _____ (3) Statistical Data Analysis II [WID] (Pre: ENG 2001; STT 3850)
STT 4840 _____ (3) Forecasting & Time Series (Pre: STT 3851)
STT 4860 _____ (3) Probability Models & Statistical Inference I (Pre: MAT 2130)
STT 4865 _____ (3) Statistical Inference II (Pre: STT 4860)

B. Business – 30 s.h.

ACC 2100 _____ (3) Principles of Accounting I (Pre: 24 hrs college credit)
ECO 2030 _____ (3) Principles of Economic – Price Theory
ECO 2040 _____ (3) Principles of Economics – Macro (Pre: ECO 2030)
FIN 3071 _____ (3) Principles of Risk Management and Insurance
FIN 3072 _____ (3) Personal Insurance (Pre: ECO 3071)
FIN 3680 _____ (3) Introduction to Finance (Pre: ACC 2100; MAT 1030 or 1110)
FIN 3690 _____ (3) Financial Management (Pre: FIN 3680)
FIN 3890 _____ (3) Survey of Investments (Pre: FIN 3680)
FIN 4770 _____ (3) Derivatives & Financial Risk Management (Pre: FIN 3890)
LAW 2150 _____ (3) Legal Environment of Business

C. Electives – 2 s.h.

Two hours of approved electives** in Mathematical Sciences or Business (no more than 6 additional elective hours can be taken in Business).

**Must be approved by advisory committee.

III. MINOR (optional)

IV. ELECTIVES (taken to total 122 hours for the degree)..................................................................................................................13

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