I. CORE CURRICULUM

Either Chemistry 1101/1110 and 1102/1120 or Physics 1103-1104 will fulfill the science requirement. Math 1110 fulfills the math requirement. Courses used to fulfill Core Curriculum requirements can also be used to fulfill major requirements.

II. MAJOR REQUIREMENTS (Not including 12 s.h. already counted in I, above)

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.

A. Biology Core Requirements: 12 semester hours (must be completed before taking any other biology courses)

BIO 1110_____ (4) Concepts of Biology
BIO 2000_____ (4) Introduction to Botany
BIO 2001_____ (4) Introduction to Zoology

B. Additional Required Biology Courses: 30-31 semester hours

Required: 8 semester hours

Choose any two of the following:

BIO 3308_____ (4) Microbiology
BIO 4100_____ (4) Cell Biology
BIO 4568_____ (4) Immunology
BIO 4570_____ (4) Parasitology

Choose one of the following:

BIO 3309_____ (4) Developmental Biology
BIO 3314_____ (4) Comparative Vertebrate Zoology
BIO 4569_____ (4) Invertebrate Zoology

C. Required cognate courses: 34 semester hours

(12 hours of CHE or PHY and MAT are already counted in Core Curriculum.)

Chemistry
CHE 1101/1110_____ (4) Intro. Chemistry I (ND) & lab
CHE 1102/1120_____ (4) Intro. Chemistry II (ND) & lab
CHE 2201/2203_____ (4) Organic Chemistry I & lab
CHE 2202/2204_____ (4) Organic Chemistry II & lab (W)
CHE 4580_____ (3) Biochemistry I

Physics
PHY 1103_____ (4) General Physics I (ND)
PHY 1104_____ (4) General Physics II (ND)

Mathematics
MAT 1110_____ (4) Calculus w/ Analytical Geom. I (ND)
STT 2810_____ (3) Introduction to Statistics (ND, C)

D. Required Electives: 13 semester hours

6 semester hours in the sciences

7 semester hours outside the sciences

III. MINOR (optional)

IV. ELECTIVES (taken to total a minimum of 128 hours for the degree)

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

Electives chosen in D above can be used.