I. GENERAL EDUCATION CURRICULUM ................................................................. 44


II. PROFESSIONAL EDUCATION REQUIREMENTS ..................................................... 24

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 (Entry course to teacher education)
FDN 2400 ___ (2) Critical Perspectives on Teaching and Learning (Pre or Co: CI 2300) (Entry course to teacher education)
PSY 3010 ___ (3) Psychology Applied to Teaching (Pre or Co: CI 2300)   PROFICIENCIES:
SPE 3300* ___ (3) Creating Inclusive Learning Communities (Pre: CI 2300, FDN 2400, PSY 3010)   Reading _____
CI 3400* ___ (2) Policies and Practice in Educational Assessment (Pre: CI 2300, FDN 2400, PSY 3010)   English _____
CI 4900 ___ (12) Student Teaching [CAP] (All courses in professional core must be completed with grades of C (2.0) or higher prior to student teaching, along with other courses (including methods and reading) identified within the major.

*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). The PRAXIS II Area Exams are required for student teaching.

III. MAJOR REQUIREMENTS (Not including 12 semester hours already counted in I, above) ................................................................. 55-56

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. Biology Core Requirements: 8 semester hours (must be completed before taking any other biology courses)

BIO 1801 ___ (4) Biological Concepts I (Co: CHE 1101)   AND   BIO 1802 ___ (4) Bio Concepts II (Pre: Bio 1801 w/min grade "C")

B. Additional Required Biology Courses: 22-23 semester hours (Pre: BIO 1801 & 1802 required for all additional BIO courses)

BIO 2012 ___ (3) Introduction to Evolutionary Biology
BIO 2400 ___ (3) Genetics (Pre: CHE 1102, MAT 1025)
BIO 2410 ___ (1) Genetics Laboratory (Pre/Co: BIO 2400/2700)
BIO 3312 ___ (3) Environmental Studies [WID] (Pre: RC 2001)
BIO 3521 ___ (1) Secondary Science Field Experience (Pre: Jr/Sr standing)
BIO 3800 ___ (4) Molecular Biology [WID] (Pre: CHE 2201/2101; RC 2001)
BIO 3301 ___ (4) Human Systems Phys [WID] (Pre: CHE 2201/2101; RC 2001) OR BIO 4555___ (4) Plant Phys (Pre: CHE 1102 & 1120; Sr. stg)

Biodiversity: Choose one course from the following: 3-4 semester hours

BIO 2000 ___ (4) Introduction to Botany
BIO 3304 ___ (4) Systematic Botany (Pre: BIO 2000)
BIO 4552 ___ (4) Entomology (Pre: Sr. standing)
BIO 4557 ___ (4) Ichthyology (Pre: Sr. standing)
BIO 4559 ___ (4) Mammalogy (Pre: Sr. standing)
BIO 4569 ___ (4) Invertebrate Zoology (Pre: Sr. standing)

C. Required Cognate Courses: 37 semester hours (12 semester hours of cognate courses are counted in general ed requirements.)

Chemistry
CHE 1101/1110 ___ (4) Intro. Chem I & lab
CHE 1102/1120 ___ (4) Intro. Chem II & lab (Pre: CHE 1101 & 1110)
CHE 2101/2102 ___ (4) Fundamentals of Organic Chem I & lab (Pre: CHE 1102 & 1120)

Mathematics
MAT 1110 ___ (4) Calc w/Analytical Geom. I (Pre: MAT 1025 w/C-)
STT 2810 ___ (3) Intro to Statistics (Pre: MAT 1010)

Physics
PHY 1103 ___ (4) General Physics I (Co: MAT 1020 or 1025)
PHY 1104 ___ (4) General Physics II (Pre: PHY 1103)

General Science (minimum grade of “C” required)
G S 4403 ___ (3) Teaching Sci in Mid/HS [WID] (Pre: RC 2001)

Geology
GLY 1101 ___ (4) Intro to Physical Geology

IV. MINOR (optional)

V. ELECTIVES (taken to total 128 hours for the degree) ................................................................. 4-5

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