Bachelor of Science (BS) Teaching
Degree Code 142*
Concentration Code 142D

I. GENERAL EDUCATION CURRICULUM

II. PROFESSIONAL EDUCATION REQUIREMENTS
A minimum grade of C required in each professional education course. CI 2300 & FDN 2400 are required prior to admission to Teacher Education.

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)

PROFICIENCIES:

Country 2300* (3) Creating Inclusive Learning Communities (Pre: CI 2300, FDN 2400, PSY 3010)  
C 2400* (2) Policies and Practice in Educational Assessment (Pre: CI 2300, FDN 2400, PSY 3010)  
C 2400 (12) Student Teaching [CAP] (Cumulative 2.7 GPA; 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: Minimum 2.7 cumulative GPA required to graduate.

Teacher licensure programs require a minimum 2.7 cumulative GPA from admission into the teacher education program until graduation, including for admission to student teaching. Admission also requires students to take and satisfy testing requirements for Reading, Writing and Math areas of the PRAXIS I Core. The PRAXIS II Area Exams are required prior to the end of student teaching.

III. MAJOR REQUIREMENTS
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)  
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 or 2700)  
BIO 3312 (3) Environmental Studies [WID] (Pre: RC 2001)  
BIO 3521 (1) Secondary Science Field Experience (Pre: Sr. standing)  
BIO 3800 (4) Molecular Biology [WID] (Pre: CHE 2201 or 2101; RC 2001)  
BIO 3301 (4) Human Systems Phys [WID] (Pre: CHE 2201 or 2101; RC 2001)  
BIO 4560 (4) Invertebrate Zoology (Pre: Sr. standing)

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) Herpetology (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 (Pre: MAT 1020 or higher)  
CHE 1102/1120 (4) Intro Chem II & lab (Pre: CHE 1101 & 1110; MAT 1020 or higher)  
CHE 2101/2102 (4) Fundamentals of Organic Chem I & lab (Pre: CHE 1102 & 1120)

Mathematics  
MAT 1110 (4) Calc w/Anly Geom. I (Pre: MAT 1025 w/C-)

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)  
GS 4403 (3) Teaching Sci in Mid/HS [WID] (Pre: RC 2001; Sr stdg)

Geology  
GLY 1101 (4) Intro to Physical Geology

IV. MINOR (optional)

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

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