Bachelor of Science (BS) Teaching  
Degree Code 209A  

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
- 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)
- CI 3400* _____ (2) Policies and Practice in Educational Assessment (Pre: CI 2300, FDN 2400, PSY 3010)  

- PSY 3010 _____ (3) Psychology Applied to Teaching (Pre or Co: CI 2300)  

- CI 3400* _____ (2) Policies and Practice in Educational Assessment (Pre: CI 2300, FDN 2400, PSY 3010)  

- C I 3400* _____ (2) Policies and Practice in Educational Assessment (Pre: CI 2300, FDN 2400, PSY 3010)  

- PSY 3010 _____ (3) Psychology Applied to Teaching (Pre or Co: CI 2300)  

- SPE 3300* _____ (3) Creating Inclusive Learning Communities (Pre: CI 2300, FDN 2400, PSY 3010)  

- CI 3400* _____ (2) Policies and Practice in Educational Assessment (Pre: CI 2300, FDN 2400, PSY 3010)  

- CI 4900 _____ (12) Student Teaching [CAP]  

*: 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 2400____ (3) Genetics (Pre: BIO 1801, CHE 1102, MAT 1025)
- BIO 2410____ (1) Genetics Laboratory (Pre/Co: BIO 2400/2700)
- BIO 3436____ (3) Introduction to Evolutionary Biology
- BIO 3312____ (3) Environmental Studies [WID] (Pre: CHE 2201 or 2101; ENG 2001)
- BIO 3521____ (1) Secondary Science Field Experience
- BIO 3800____ (4) Molecular Biology [WID] (Pre: 1 semester organic CHE; ENG 2001)

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
- BIO 4577____ (4) Ichthyology
- BIO 4559____ (4) Mammalogy
- BIO 4569____ (4) Invertebrate Zoology
- BIO 2001____ (4) Introduction to Zoology
- BIO 4551____ (4) Ornithology
- BIO 4556____ (4) Mycology
- BIO 4558____ (3) Taxonomy of the Fleshy Fungi
- BIO 4560____ (4) Herpetology

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)

Geology  
- GLY 1101____ (4) Intro to Physical Geology

- G S 4403 ____ (3) Tchg Sci in Mid/HS [WID] (Pre: ENG 2001)

D. Required General Science (minimum grade of “C” required)

- G S 4403 ____ (3) Tchg Sci in Mid/HS [WID] (Pre: ENG 2001)

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.