I. GENERAL EDUCATION CURRICULUM ................................................................. 44
  Physics 1150 & 1151 fulfill the Science Inquiry perspective. MAT 1110 fulfills the Quantitative Literacy requirement.

II. PROFESSIONAL EDUCATION REQUIREMENTS .............................................. 24
  CI/SPE 2800 (3) Teachers, Schools, and Learners
  CI/FDN/RE 3850 (3) Literacy, Technology and Instruction
  FDN 3800 (3) Foundations of American Education
  PSY 3000 (3) Educational Psychology (Pre: PSY 1200 or Co: CI/SPE 2800)
  C I 4900 (12) Student Teaching

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. Only CI/SPE 2800 and PSY 3000 may be taken prior to formal admission into the College of Education.

III. MAJOR REQUIREMENTS (not including 14 s.h. counted in Area I, above) ................................................................. 54
  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. Area of Specialization for teaching physics: (minimum of 32 semester hours)
  PHY 1103 (4) General Physics I (Co: MAT 1020/1025)
  PHY 1104 (4) General Physics II (Pre: PHY 1103)
  PHY 2010 (4) Intermediate Physics I (Pre: PHY 1104/1151; MAT 1120)
  PHY 2020 (4) Intermediate Physics II (Pre: PHY 2010; MAT 2130)
  PHY 2210 (2) Physics Laboratory Techniques and Data Analysis [WID] (Co: ENG 2001; PHY 2020)
  PHY 3210 (3) Modern Physics I (Pre: PHY 1151; Co: PHY 2010)
  PHY 3521 (1) Secondary Science Field Experience (Pre Jr/Sr standing)
  PHY 4210 (3) Methods of Experimental Physics [CAP] (Pre: PHY 2210)

  5 to 7 hours in physics and astronomy electives for minimum of 32 hours in Physics (PHY 3400 and either AST 1001, PHY 4330 or 4730 are recommended)

B. Biology (4 sh)
  BIO 1801 (4) Biological Concepts I (Co: CHE 1101)

C. Geology (4 sh)
  GLY 1101 (4) Introduction to Physical Geology

D. Chemistry (8 sh)
  CHE 1101 (3) Introductory Chemistry I (Co: CHE 1100)
  CHE 1110 (1) Introductory Chemistry I Lab (Co: CHE 1101)
  CHE 1102 (3) Introductory Chemistry II (Pre: CHE 1101/1110; Co: CHE 1120)
  CHE 1120 (1) Introductory Chemistry II Lab (Co: CHE 1102)

E. Mathematics (15 sh)
  MAT 1110 (4) Calculus with Analytic Geometry I (Pre: MAT 1025 with grade of C- or better)
  MAT 1120 (4) Calculus with Analytic Geometry II (Pre: MAT 1110 with grade of C- or better)
  MAT 2130 (4) Calculus with Analytic Geometry III (Pre: MAT 1120 with grade of C- or better)
  MAT 3130 (3) Introduction to Differential Equations (Pre: MAT 1120)

F. Also Recommended
  TEC 2004 (3) Introduction to Metals Technology
  A Computer Programming Course (3 or 4)

G. Other Required Courses (5 sh) (*Minimum “C” grade required)
  G S 4403* (3) Teaching Science in Middle and High Schools
  R E 4630* (2) Reading in the Content Areas

IV. MINOR (optional)

V. ELECTIVES (taken to total 122 hours for the degree) .................................................. 0
  Total hours required for graduation 122