

**I. CORE CURRICULUM** ..... 44  
Physics 1150, 1151 will count toward science requirement. Math 1110 will count toward math requirement.

**II. PROFESSIONAL EDUCATION REQUIREMENTS**..... 24  
**A 2.00 IS REQUIRED IN ALL PROFESSIONAL EDUCATION COURSES.**

CI/SPE 2800	_____ (3)	Teachers, Schools, and Learners (W, C)	<b>PROFICIENCIES:</b>
CI/FDN/RE 3850	_____ (3)	Literacy, Technology and Instruction (C)	Reading _____
FDN 3800	_____ (3)	Foundations of American Education (CD)	English _____
PSY 3000	_____ (3)	Educational Psychology (MC, CD)	Speech _____
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). Note, however, that the Area Exam is required for licensure. Only CI/SPE 2800 and PSY 3000 may be taken prior to formal admission into the Teacher Education Program.

**III. MAJOR REQUIREMENTS**..... 37  
**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 s. h. of courses taken to fulfill major requirements must be courses offered by Appalachian.**

**A. Area of Specialization in Preparation for Teaching:**

37 hours in Mathematical Sciences with at least 5 hours at the 4000 level (excluding MAT 4015). Also required: 10 semester hours of Physics, C I 3080 and R E 4630. All programs must be approved by Teacher Certification Advisory Committee.

Mathematics:

MAT 1110	_____ (4)	Calculus with Analytic Geometry I (ND)
MAT 1120	_____ (4)	Calculus with Analytic Geometry II (ND)
MAT 2130	_____ (4)	Calculus with Analytic Geometry III (ND)
MAT 2240	_____ (3)	Introduction to Linear Algebra (C)
MAT 3110	_____ (3)	Introduction to Modern Algebra (W)
MAT 3220	_____ (3)	Introduction to Real Analysis (W)
MAT 3520	_____ (1)	Instructional Assistance
MAT 3610	_____ (3)	Introduction to Geometry (S)
MAT 4015	_____ (3)	Senior Seminar for Mathematics Majors in Education (W, S, ND)

Additional approved courses in Mathematics, Computer Sciences (either CS 1410 (C) or 1440 (C)), Statistics (either STT 2810 (ND, C) or STT 4250):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**B. Other Required Courses**

Physics:

PHY 1150	_____ (5)	Analytical Physics (W, ND)
PHY 1151	_____ (5)	Analytical Physics (W, ND)

Education:

C I 3080*	_____ (2)	Teaching High School Math
R E 4630*	_____ (2)	Reading in the Content Area

\*Minimum "C" grade required

Major Designators

2 Writing (W)	_____
1 Speaking (S)	_____
Certified Proficiency in Communication (CPC)	_____
See Department Chair for CPC requirements	

Other Designators

4 Writing (W)	_____
(English 1000 and 1100 will count as 2 W)	
4 Multi Cultural (MC)	_____
(History 1101 and 1102 will count as 2 MC)	
2 Numerical Data (ND)	_____
2 Computer (C)	_____
1 Cross Disciplinary (CD)	_____

**V. ELECTIVES (taken to total 122 hours for the degree)** ..... 17  
2 semester hours of free electives must be outside the major discipline. 122