

I. CORE CURRICULUM44
CHE 1101/1110 and 1102/1120 fulfills the Science Inquiry Perspective. MAT 1110 fulfills the Quantitative Literacy.**II. PROFESSIONAL EDUCATION REQUIREMENTS**.....24
A 2.00 IS REQUIRED IN ALL PROFESSIONAL EDUCATION COURSES.

CI/SPE 2800	_____ (3)	Teachers, Schools, and Learners	PROFICIENCIES: Reading _____ English _____ Speech _____
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)	
CI 4900	_____ (12)	Student Teaching [CAP]	

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 12 s.h. already counted in I, above).....51
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. Chemistry (32 semester hours)**

CHE 1101/1110	_____ (4)	Introductory Chemistry I & Lab
CHE 1102/1120	_____ (4)	Introductory Chemistry II & Lab (Pre: CHE 1101/1110; Co: 1120)
CHE 2210	_____ (2)	Quantitative Analysis (Pre: CHE 1102/1120; Co: 2211)
CHE 2211	_____ (2)	Quantitative Analysis Lab (Co: CHE 2210)
CHE 3000	_____ (1)	Introduction to Chemical Research (Pre: CHE 2101 or 2202; 2210)
CHE 3301	_____ (3)	Physical Chemistry I (Pre: CHE 2210; MAT 1120; 1 year PHY)
CHE 3303	_____ (1)	Physical Chemistry I Laboratory [WID] (Co: CHE 3301; PRE: ENG 2001)
CHE 3404	_____ (3)	Inorganic Chemistry (Pre: CHE 3301)
CHE 3521	_____ (1)	Secondary Science Field Experience

Experience as a tutor through the Learning Assistance Program or the Supplemental Instruction Program is strongly recommended.

CHOOSE ONE GROUP OF 11 semester hours:

CHE 2101	_____ (3)	Fundamentals of Organic Chemistry (Pre: CHE 1102/1120; Co: 2203)
CHE 2203	_____ (1)	Organic Chemistry I Lab (Pre: CHE 1102/1120; Co: 2101 or 2201)

Plus 7 semester hours of chemistry courses (CHE 4580, Biochemistry I is recommended) _____

OR

CHE 2201	_____ (3)	Organic Chemistry I (Pre: CHE1102/1120; Co: 2203)
CHE 2203	_____ (1)	Organic Chemistry I Lab (Pre: CHE 1102/1120; Co: 2101 or 2201)
CHE 2202	_____ (3)	Organic Chemistry II (Pre: CHE 2201/2203 w/minimum grade "C-"; Co: CHE 2204)
CHE 2204	_____ (1)	Organic Chemistry II Lab (Pre: CHE 2201/2203 w/grade "C-"; Co: CHE 2202)

Plus 3 semester hours of chemistry courses (CHE 4580, Biochemistry I is recommended) _____

B. Physics (10 semester hours)

PHY 1150	_____ (5)	Analytical Physics I (Pre: MAT 1110)
PHY 1151	_____ (5)	Analytical Physics II (Pre: MAT 1120)

C. Mathematics (8 semester hours)

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)

D. Education (5 semester hours) *Minimum "C" grade is required in both these courses.*

G S 4403	_____ (3)	Teaching Science in Middle and High Schools
R E 4630	_____ (2)	Reading in the Content Areas

E. Other Science (8 semester hours)

BIO 1801	_____ (4)	Biological Concepts I (Co: CHE 1101)
GLY 1101	_____ (4)	Introduction to Physical Geology

IV. MINOR (optional)

Major Requirements that count in Gen Education:	
Quantitative Lit	
MAT 1110	4 s.h.
Science Inquiry	
CHE 1101/1110	4 s.h.
CHE 1102/1120	4 s.h.
Total Major hrs:	63
Gen Ed hrs:	- 12
Net Major hrs:	51

V. ELECTIVES (taken to total 122 hours for the degree) 3
2 semester hours of free electives must be outside the major discipline. **122**