

**I. CORE CURRICULUM.....44**

Courses totaling 32 semester hours must be completed in addition to the 12 semester hours of courses required for the major that will also meet core curriculum requirements (CHE 1101, 1110, 1102, 1120 and MAT 1110). Must complete ENG 1000 and 1100, HIS 1101 and 1102, 12 semester hours of humanities (courses must be from three different areas, including one literature course and one fine arts course), 6 semester hours of social science courses selected from two different areas and 2 semester hours of physical activity/wellness courses.

**Recommended humanities course: P&R 1100, Logic I (3 semester hours)**

**Recommended social science course: ECO 2030, Principles of Economic Price Theory (3 semester hours)**

**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 _____          |
| CI 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 .....63**

**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 | _____ (3) | Introductory Chemistry I (ND)         |
| CHE 1110 | _____ (1) | Introductory Chemistry I Lab          |
| CHE 1102 | _____ (3) | Introductory Chemistry II (ND)        |
| CHE 1120 | _____ (1) | Introductory Chemistry II Lab         |
| CHE 2210 | _____ (4) | Quantitative Analysis (W)             |
| CHE 3000 | _____ (1) | Introduction to Chemical Research (S) |
| CHE 3301 | _____ (3) | Physical Chemistry I (C)              |
| CHE 3303 | _____ (1) | Physical Chemistry I Laboratory (W)   |
| CHE 3404 | _____ (3) | Inorganic Chemistry                   |
| CHE 3520 | _____ (1) | Instructional Assistance              |

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

**CHOOSE:**

|          |           |                                   |
|----------|-----------|-----------------------------------|
| CHE 2101 | _____ (3) | Fundamentals of Organic Chemistry |
| CHE 2203 | _____ (1) | Organic Chemistry I Lab           |

Plus an additional 7 semester hours of chemistry courses (CHE 4580, Biochemistry I is recommended) \_\_\_\_\_

**OR**

|          |           |                              |
|----------|-----------|------------------------------|
| CHE 2201 | _____ (3) | Organic Chemistry I          |
| CHE 2203 | _____ (1) | Organic Chemistry I Lab      |
| CHE 2202 | _____ (3) | Organic Chemistry II         |
| CHE 2204 | _____ (1) | Organic Chemistry II Lab (W) |

Plus an additional 3 semester hours of chemistry courses (CHE 4580, Biochemistry I is recommended) \_\_\_\_\_

**B. Physics (10 semester hours)**

|          |           |                            |
|----------|-----------|----------------------------|
| PHY 1150 | _____ (5) | Analytical Physics I (ND)  |
| PHY 1151 | _____ (5) | Analytical Physics II (ND) |

**C. Mathematics\* (8 semester hours)**

|          |           |   |
|----------|-----------|---|
| MAT 1110 | _____ (4) | Calculus with Analytic Geometry I (ND)  |
| MAT 1120 | _____ (4) | Calculus with Analytic Geometry II (ND) |

\*Students taking a college algebra course before MAT 1110 should enroll in MAT 1025, Algebra and Elementary Functions

**D. Education (5 semester hours)**

|           |           |   |
|-----------|-----------|---|
| G S 4403* | _____ (3) | Teaching Science in Middle and High Schools (W, S, C) |
| R E 4630* | _____ (2) | Reading in the Content Areas                          |

\*Minimum "C" grade is required.

**E. Other Science (8 semester hours)**

|          |           |                                       |
|----------|-----------|---------------------------------------|
| BIO 1110 | _____ (4) | Concepts of Biology                   |
| GLY 1101 | _____ (4) | Introduction to Physical Geology (ND) |

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

|  |       |
|--|-------|
| <u>Major Designators</u>   |       |
| 2 Writing (W)  | _____ |
| 1 Speaking (S)   | _____ |
| Certified Proficiency in Communication (CPC)   | _____ |
| CPC is met by completion of CHE 2210 (W), CHE 3303 (W), and CHE 3000 (S) with a minimum grade of C- in each course |       |
| <u>Other Designators</u>   |       |
| 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)  | _____ |