

- I. GENERAL EDUCATION CURRICULUM..... 44**
CHE 1101, 1110, 1102, 1120, and MAT 1110 will fulfill General Education requirements.
- II. LANGUAGE (Completion of 6 semester hours at the *intermediate level, or higher) 6**
_____ 1040 ____ and 1050 ____ or 1060 ____; or higher level courses _____
**NOTE: Language 1010 and 1020 (or 1030) are prerequisites for the intermediate level courses.
FL 1050 or 1060 may be used in General Education Liberal Studies Experience.*
- III. MAJOR REQUIREMENTS (Not including 12 s.h. already counted in I, above)..... 52-54**
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. No more than 46 semester hours of Chemistry courses may be counted toward the BA Degree.
- A. Chemistry (40 semester hours)**
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| CHE 1101 | _____ (3) | Introductory Chemistry I (Pre: MAT 1020 or higher; Co: CHE 1110) |
| CHE 1110 | _____ (1) | Introductory Chemistry I Lab (Co: CHE 1101) |
| CHE 1102 | _____ (3) | Introductory Chemistry II (Pre: CHE 1101 & 1110; MAT 1020 or higher; Co: CHE 1120) |
| CHE 1120 | _____ (1) | Introductory Chemistry II Lab (Co: CHE 1102) |
| CHE 2201 | _____ (3) | Organic Chemistry I (Pre: CHE 1102 & 1120; Co: CHE 2203) |
| CHE 2203 | _____ (1) | Organic Chemistry I Lab (Pre: CHE 1102 & 1120; Co: CHE 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/minimum grade of "C-"; Co: CHE 2202) |
| CHE 2210 | _____ (3) | Quantitative Analysis (Pre: CHE 1102 & 1120; Co: CHE 2211) |
| CHE 2211 | _____ (1) | Quantitative Analysis Lab (Co: CHE 2210) |
| CHE 3000 | _____ (1) | Introduction to Chemical Research (Pre: CHE 2101 or 2202; CHE 2210) |
| CHE 3301 | _____ (3) | Physical Chemistry I (Pre: CHE 2210 & 2211; MAT 1120; PHY 1151) |
| CHE 3303 | _____ (1) | Physical Chemistry I Laboratory [WID] (Pre: RC 2001; Pre/Co: CHE 3301) |
| CHE 3302 | _____ (3) | Physical Chemistry II (Pre: CHE 3301) |
| CHE 3304 | _____ (1) | Physical Chemistry II Laboratory (Pre: CHE 3303; Pre/Co: CHE 3302) |
| CHE 3404 | _____ (3) | Inorganic Chemistry (Pre: CHE 2101 & 2102 or 2202 & 2204; CHE 2210 & 2211) |
| CHE 3405 | _____ (1) | Inorganic Chemistry Laboratory (Co: CHE 3404) |
| CHE 4000 | _____ (1) | Chemistry Seminar [CAP] (Pre: CHE 3000, 3301 & 3303) |
| CHE 4400 | _____ (1) | Senior Research (Pre: CHE 4000) |
- Plus an additional 5 semester hours of chemistry courses at or above the 3000 level (CHE 3520 & 4610 excluded)
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- CHE 3560 & 3561 Instrumental Methods of Analysis & Lab and CHE 4580 Biochemistry I are strongly recommended. If CHE 3560 & 4580 are chosen, this degree is approved by the American Chemical Society's Committee on Professional Training.*
- B. Physics (10 semester hours)**
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| PHY 1150 | _____ (5) | Analytical Physics I (Co: MAT 1110) |
| PHY 1151 | _____ (5) | Analytical Physics II (Co: MAT 1120) |
- C. Mathematics (8 semester hours)**
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|----------|-----------|---|
| MAT 1110 | _____ (4) | Calculus with Analytic Geometry I (Pre: MAT 1025 w/min grade C-) |
| MAT 1120 | _____ (4) | Calculus with Analytic Geometry II (Pre: MAT 1110 w/min grade C-) |
- D. Other Science (6-8 semester hours)** An additional 6-8 semester hours selected from astronomy, biology, geology, or physics.
GLY 2301 may be used in General Education Integrated Learning Experience depending on choices.
_____ (Physics courses at the 1000 level and PHY 3350 are not accepted)
- IV. MINOR REQUIRED..... 12-16**
Minimum of 9 semester hours of courses taken to fulfill minor requirements must be courses offered by Appalachian.
- V. ELECTIVES (taken to total 122 hours for the degree)..... 2-8**
2 semester hours of free electives must be outside the major discipline. **122**