

I. CORE CURRICULUM 44

Chemistry 1101-1110, 1102-1120 will count toward the science requirement. Math 1110 will count toward the math requirement. Depending on the concentration chosen, some courses may also apply toward social science requirement. Courses used to fulfill Core Curriculum requirements can also be used to fulfill major requirements.

II. MAJOR REQUIREMENTS (Not including 12 s.h. already counted in I, above) 65
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 II. Minimum of 18 semester hours of courses taken to fulfill major requirements must be courses offered by Appalachian.

A. Biology Core Requirements: 12 semester hours (must be completed before taking any other biology courses)

- BIO 1110 ____ (4) Concepts of Biology
- BIO 2000 ____ (4) Introduction to Botany
- BIO 2001 ____ (4) Introduction to Zoology

B. Additional Required Biology Courses: 34 semester hours

- BIO 3302 ____ (4) Ecology (ND, C)
- BIO 3306 ____ (3) Genetics (ND)
- BIO 3436 ____ (3) Introduction to Evolutionary Biology (W, S, ND)

and one of the following:

- BIO 3301 ____ (4) Animal Physiology (W, ND)
- BIO 3308 ____ (4) Microbiology
- BIO 3800 ____ (4) Molecular Biology (W, ND, C)
- BIO 4100 ____ (4) Cell Biology
- BIO 4555 ____ (4) Plant Physiology (W, ND, C)

Any four from the following (must include one plant biology course):

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| BIO 3304 ____ (3) Systematic Botany | BIO 3310 ____ (3) Marine Biology (W) |
| BIO 3314 ____ (4) Comparative Vertebrate Zoology | BIO 4552 ____ (3) Entomology |
| BIO 4551 ____ (3) Ornithology | BIO 4557 ____ (3) Ichthyology |
| BIO 4556 ____ (4) Mycology | BIO 4560 ____ (3) Herpetology |
| BIO 4559 ____ (3) Mammalogy | BIO 4569 ____ (4) Invertebrate Zoology |
| BIO 4601 ____ (3) Animal Behavior-Ethology (W, S, ND) | |

<u>Major Designators</u>	
2 Writing (W)	____ ____
1 Speaking (S)	____
Certified Proficiency in Communication (CPC) ____	
CPC is met by completion of W and S courses within the major with a grade of "C" or better.	
<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)	____

6-8 elective hours to complete 34 semester hours: _____

C. Required Cognate Courses: 19 semester hours

NOTE: 12 semester hours of cognate courses are counted in Core Curriculum requirements.

Chemistry

- CHE 1101/1110 ____ (4) Intro. Chem. I (ND) & lab
- CHE 1102/1120 ____ (4) Intro. Chem. II (ND) & lab

Mathematics

- MAT 1110 ____ (4) Calculus w/ Analytic Geometry I (ND)
- STT 2810 ____ (3) Introduction Statistics (ND, C)

- CHE 2101/2203 ____ (4) Fundamentals of Organic Chemistry & lab*

*The sequence of CHE 2201/2203 and CHE 2202/2204 can substitute for CHE 2101/2203

OR

- CHE 2210/2211 ____ (4) Quantitative Analysis & lab (W)

D. Business Concentration: 12 semester hours

Students are encouraged to complete a minor in their chosen concentration by selection of one or two additional courses (consult advisor).

Required: ECO 2030 ____ (3) Principles of Economics-Price Theory

Choose 9 semester hours from the following:

- ACC 1100 ____ (3) Principles of Accounting I (ND)
- MGT 3010 ____ (3) Survey of Management
- MKT 3050 ____ (3) Principles of Marketing
- FIN 3010 ____ (3) Survey of Finance

III. MINOR (optional)

IV. ELECTIVES (taken to a minimum of 128 hours for the degree) 19
2 semester hours of free electives must be outside the major discipline. **128**