

I. CORE CURRICULUM.....44

Chemistry 1101/1110 and 1102/1120 or Physics 1103-1104 will count toward science requirement. Math 1110 will count toward math requirement. Foreign language 1040 and 1050 (or 1060) will count toward humanities requirements.

II. FOREIGN LANGUAGE (Completion of 6 semester hours at the *intermediate level, or higher)..... 6

_____ 1040 (MC) _____ and 1050 (MC) _____ or 1060 (MC); or higher level courses _____

**NOTE: Foreign language 1010 and 1020 (or 1030) are prerequisites for the intermediate level courses.*

III. MAJOR REQUIREMENTS (Not including 12 semester hours already counted in I, above) 53

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. No more than 40 semester hours of biology courses may be counted toward the BA Degree.

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. Required Biology Course: 3 semester hours

- BIO 3306 _____ (3) Genetics (ND)

C. Additional Required Biology Courses: Choose 19 semester hours in courses numbered above 2001.

At least one course must be selected from each of the following areas:

Area I Cellular or Subcellular

- BIO 3308 _____ (4) Microbiology
- BIO 3309 _____ (4) Developmental Biology
- BIO 3800 _____ (4) Molecular Biology (W, ND, C)
- BIO 4100 _____ (4) Cell Biology
- BIO 4564 _____ (4) Microscopy
- BIO 4568 _____ (4) Immunology

Area III Evolution or Ecology

- BIO 3302 _____ (4) Ecology (ND, C)
- BIO 3310 _____ (3) Marine Biology (W)
- BIO 3312 _____ (3) Environmental Studies (W, S)
- BIO 3436 _____ (3) Intro. to Evol. Bio. (W, S, ND)
- BIO 4601 _____ (3) Animal Behav.-Ethology (W, ND, S)

Other courses to total 19 s.h. _____

Area II Anatomy or Physiology

- BIO 3301 _____ (4) Animal Physiology (W, ND)
- BIO 3314 _____ (4) Comparative Vertebrate Zoology
- BIO 4555 _____ (4) Plant Physiology (W, NC, C)
- BIO 4569 _____ (4) Invertebrate Zoology

Area IV Systematic or Field Biology

- BIO 3304 _____ (3) Systematic Botany
- BIO 3310 _____ (3) Marine Biology (W)
- BIO 4551 _____ (3) Ornithology
- BIO 4556 _____ (4) Mycology
- BIO 4557 _____ (3) Ichthyology
- BIO 4559 _____ (3) Mammalogy
- BIO 4560 _____ (3) Herpetology
- BIO 4570 _____ (3) Parasitology
- BIO 4580 _____ (3) Field Bio.of the Continent. USA

D. Required cognate courses: 31 semester hours (12 hrs. of cognate courses are already counted in Core Curriculum)

Chemistry

- CHE 1101/1110 _____ (4) Introduction to Chemistry I (ND) & lab
- CHE 1102/1120 _____ (4) Introduction to Chemistry II (ND) & lab
- CHE 2201/2203 _____ (4) Organic Chemistry I & lab
- CHE 2202/2204 _____ (4) Organic Chemistry II & lab (W)

Mathematics

- MAT 1110 _____ (4) Calculus w/ Analytical Geometry I (ND)
- STT 2810 _____ (3) Introduction to Statistics (ND, C)

Physics

- PHY 1103 _____ (4) General Physics I (ND)
- PHY 1104 _____ (4) General Physics II (ND)

<u>Major Designators</u>	
2 Writing (W)	_____
1 Speaking (S)	_____
Certified Proficiency in Communication (CPC)_____	
Completion of the W and S courses in the major with a grade of "C" or better will meet the CPC.	
<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)	_____

IV. MINOR REQUIRED.....12-20

Minimum of 9 semester hours of courses taken to fulfill minor requirements must be courses offered by Appalachian.

V. ELECTIVES (taken to total 128 hours for the degree)5-13

2 semester hours of free electives must be outside the major discipline.