Bachelor of Arts (BA)  
Degree Code 208A  

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:

<table>
<thead>
<tr>
<th>Area I</th>
<th>Cellular or Subcellular</th>
<th>Area II</th>
<th>Anatomy or Physiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 3308 ____ (4) Microbiology</td>
<td>BIO 3301 ____ (4) Human Systems Physiology (W, ND)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 3309 ____ (4) Developmental Biology</td>
<td>BIO 3314 ____ (4) Comparative Vertebrate Zoology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 3800 ____ (4) Molecular Biology (W, ND, C)</td>
<td>BIO 4555 ____ (4) Plant Physiology (W, ND, C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 4100 ____ (4) Cell Biology</td>
<td>BIO 4569 ____ (4) Invertebrate Zoology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 4564 ____ (4) Microscopy</td>
<td>BIO 3304 ____ (3) Systematic Botany</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 4568 ____ (4) Immunology</td>
<td>BIO 3310 ____ (3) Marine Biology (W)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area III</th>
<th>Evolution or Ecology</th>
<th>Area IV</th>
<th>Systematic or Field Biology</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 3302 ____ (4) Ecology (ND, C)</td>
<td>BIO 4551 ____ (3) Ornithology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 3310 ____ (4) Marine Sciences (W)</td>
<td>BIO 4556 ____ (4) Mycology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 3312 ____ (3) Environmental Studies (W, S)</td>
<td>BIO 4557 ____ (3) Ichthyology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 3436 ____ (3) Introduction to Evol. Bio. (W, S, ND)</td>
<td>BIO 4559 ____ (3) Mammalogy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 4601 ____ (3) Animal Behav.-Ethology (W, ND, S)</td>
<td>BIO 4560 ____ (3) Herpetology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other courses to total 19 s.h.</td>
<td>BIO 4570 ____ (4) Parasitology</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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)  

Major Designators
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.

Other Designators
4 Writing (W) ___ ___ ___ ___  
3 Multi Cultural (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.

128