

# BACHELOR OF SCIENCE

## Biology - Liberal Arts

2009-11 Catalog

Name \_\_\_\_\_

128 semester hours minimum for graduation with a 2.00 average overall

56 hours from a four-year institution

**No Title HRS CR QPTS**

**General Studies**

|                              |  |     |  |           |
|------------------------------|--|-----|--|-----------|
| English                      |  |     |  |           |
| 101                          | Composition & Rhetoric I   | 3   |  |           |
| 102                          | Composition & Rhetoric II  | 3   |  |           |
| 203                          | World Literature I   | 3   |  |           |
| 204                          | World Literature II  | 3   |  |           |
| Communication Arts           |  |     |  |           |
| 101                          | Fundamentals of Speech   | 3   |  |           |
| The Arts– Two courses        |  |     |  |           |
| 101                          | Introduction to Visual Arts  | 3   |  |           |
| 101                          | Introduction to Music  | 3   |  |           |
| 102                          | Introduction to Theatre  | 3   |  |           |
| Physical Education           |  |     |  |           |
| 101                          | Personal Wellness  | 2   |  |           |
| Social Sciences              |  |     |  |           |
|                              | Four courses with at least three disciplines represented (SEE CATALOG)   | 3   |  |           |
|                              |  | 3   |  |           |
|                              |  | 3   |  |           |
|                              |  | 3   |  |           |
| Science & Mathematics        |  |     |  |           |
|                              | Laboratory Science   | 4   |  | See Major |
|                              | Laboratory Science   | 4   |  | See Major |
|                              | Mathematics  | 3   |  | See Major |
|                              | Lab Science <u>or</u> NSC 300C/D; or MATH 105, 201, 211  | 3-4 |  | See Major |
| Foreign Language–Recommended |  |     |  |           |
|                              | Two courses may be substituted for any two general studies courses except ENGL 101-102 and General Studies Math. Only one substitution per discipline. See Catalog | 3   |  |           |
|                              |  | 3   |  |           |

**RESIDENCE CREDIT:**

36 hours at Concord

16 of last 32 hours at Concord

NOTE: In some degree programs, this would be previous to entering professional training.

9 hours in Major, Teaching Field

**Biology -Liberal Arts (2.00 GPA required).**

|                 |   |   |  |  |
|-----------------|---|---|--|--|
| BIOL 101        | General Biology I   | 4 |  |  |
| 102             | General Biology II  | 4 |  |  |
| 201             | Ecology & Field Methods   | 4 |  |  |
| 202             | Animals as Organisms  | 4 |  |  |
| 301             | Plants as Organisms   | 4 |  |  |
| 302             | Cell and Molecular Biology  | 4 |  |  |
| 372             | Introduction to Research  | 3 |  |  |
| 401             | Genetics  | 4 |  |  |
| 451             | Biology Seminar   | 1 |  |  |
| CHEM 101        | General Chemistry I   | 3 |  |  |
| 111             | General Chemistry Lab I   | 1 |  |  |
| 102             | General Chemistry II  | 3 |  |  |
| 112             | General Chemistry Lab II  | 1 |  |  |
| 331             | Organic Chemistry I   | 4 |  |  |
| 332             | Organic Chemistry II (Recommended)  |   |  |  |
| PHYS 101 or 201 | Introductory Physics <u>or</u> University Physics I   | 4 |  |  |
| 102 or 202      | Intermediate Physics <u>or</u> University Physics II  | 4 |  |  |
| MATH 103        | College Algebra   | 3 |  |  |
| 104             | College Trigonometry  | 3 |  |  |
| 105             | Elementary Statistics   | 3 |  |  |
| 250             | Calculus w/Analytic Geometry I (Recommended)  |   |  |  |
|                 | 16 hours science electives (at least 8 hours in Biology); N SC 300C may be substituted for 3 of these hours | 4 |  |  |
|                 |   | 4 |  |  |
|                 |   | 4 |  |  |
|                 |   | 4 |  |  |

Science electives for both programs may come from courses listed under BIOL, CHEM, PHYS, GEOL, MATH (course numbers 200 and higher) NSC 300C, 300D or 300E, GEOG 300, or PSY 370 and/or 402.

**NOTE:** Same as other Biology program regarding electives.

MATH 103 and/or 104 may be waived for students establishing proficiency.

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