NAME _____ G00 _____ ENTRY TERM_____

## BACHELOR OF SCIENCE

## BIOLOGY (0600)

**Gen Education Requirements:** 20-22

SUNY Gen Ed Requirements (GER)

| | | | |
|---|---|---|---|
| Mathematics | R/ ** | _____ | 3-4 |
| Basic Com | INTD 105 | _____ | 3 |
| Nat Sci I Lec/Lab | N/ | _____ | 3-4 |
| Social Sciences | S/* | _____ | 3 |
| American History | U/ | _____ | 3 |
| Other World Civ | M/** | _____ | 3 |
| The Arts | F/* | _____ | 3 |

**Geneseo Breadth Requirements:** 21-23

| | | | |
|---|---|---|---|
| Nat Sci II Lec/Lab | N/ | _____ | 4 |
| Social Science II | S/ * | _____ | 0-3 |
| Fine Arts II | F/ * | _____ | 0-3 |
| Humanities I | H/ | _____ | 4 |
| Humanities II | H/ | _____ | 4 |
| Foreign Lang | L/ | _____ | 0-3 |
| LANG 102 | L/ | _____ | 0-3 |
| LANG 201 | L | _____ | 0-3 |
| **TOTAL:** | | | 33-50 |

**MAJOR** *(See notes on back)*

Biol 116 _____2
Biol 117 _____3
Biol 119 _____3
Biol 203_____ 3
Biol 222_____ 3
Biol 300_____ 3

**Biology Electives**

***(19 credits with at least 12 credits at 300 level)***

-Four laboratory courses at or above the 200 level with at least one at the 300 level.

_____ _____
_____ _____ (300 level)

-Other Biology courses:

_____ _____
_____ _____

-Maximum of four credits from: BIOL 299, 395, 399

_____

**Biology Electives tally:**

**300 level _____12 credits (min)**

**Total _____19 credits**

**Related Requirements**

Chem 116 & 118 or
Chem 203 & 204 _____ 6

Chem 119 _____ 2

Chem 211, 213, 216 or
Chem 223, 224, 216 _____8

Math 221 R/ _____ 4

Math 222 or 228_____ 4

Phys 113/114,
115/116_____8

OR

Phys 123/114,
125/116_____8

**One of the following:**
(Tool requirement)

Biol 250; CSci 114, 119, 120, CSci 141, 216, 230; Math 262, 361; or Psyc 250

_____3-4

(Note: Few, if any, CSci courses will be available after Fall 2013)

**NOTES:**
120 credits are required to graduate (69 credits must be non-Biology).

courses offered by major department may not be used to fulfill N/, S/, or F/areas
*may overlap with U/ and M/ requirements
**may overlap with courses offered by major department
courses from the Geneseo Breadth Requirements may be used to meet the 30-credit SUNY Gen Ed Requirement

| Semester _____ Hrs | Semester _____ Hrs | Semester _____ Hrs | Semester _____ Hrs |
|---|---|---|---|
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| Total ____ | Total ____ | Total ____ | Total ____ |
| Semester _____ Hrs | Semester _____ Hrs | Semester _____ Hrs | Semester _____ Hrs |
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| Total ____ | Total ____ | Total ____ | Total ____ |

Revised 06/2014

Total Semester Hours = 12

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**DEPARTMENTAL NOTES: BS BIOLOGY**

To graduate with a biology major, students must attain a grade of C- or better in all required biology courses (excluding electives). A grade of C- must be achieved in any course before it can be used as a prerequisite for another course. A student may only repeat a required biology course or related requirement once for major credit and the course must be taken at the next offering of the class. If a student does not earn at least a "C-" on the second taking of the class, she/he will not be able to complete the major.

**Pre-major in Biology:**

1. All incoming students to Geneseo can choose to be premajors in Biology/Biochemistry.
2. Students need to earn at least an average of 2.33 GPA in their first two required biology lecture courses (BIOL 117 and 119 for incoming freshman who do not have a 5 on the AP) in order to declare a biology major.
3. Students coming in with credit for BIOL 117 and 119 will be required to obtain an average of 2.33 GPA in their first two required Biology lecture classes. It may be recommended that such students (especially transfer students) might not choose to take a required class their first semester to allow time to get acclimated to Geneseo and the course demands.
4. Students who receive a D or E or who withdraw from 117 would be subject to the same rules and they would not be able to take 117 until the following fall based on our course offering schedule.
5. Students who receive a D or E or who withdraw from 119 would be subject to the same rules and they would not be able to take 119 until the following spring based on our course offering schedule.
6. The pre-major policy will be added to the Biology Department Student Handbook and to syllabi for BIOL 117, BIOL 119, BIOL 203, BIOL 222, and BIOL 300. Students actively enrolled in these courses will receive a notification of the pre-major policy a few weeks before the W deadline.
7. BIOL 222 and 300 would be open only to biology/biochemistry majors. BIOL 271 (Heredity) would continue to be open to minors, i.e. not restricted to majors.
8. Appeals would be possible but rarely granted. The use of withdrawals will be strongly encouraged as a means of NOT ending up in 'limbo' (i.e. with grades of C- and C that do not allow students to retake the course—hence they can never become biology majors). Along with encouraging withdrawing it will be pointed out that this sets them back a year.

BIOL 105/106 will be suggested as a 'prep' course—these students will be allowed to take 119 in the spring if they earn a grade of B or higher and will be required to take Biol 117 in the fall.

**Major in Biology:**

1. Majors must choose, under advisement, 19 credits of Biology electives at the 200 level or above, with a minimum of 12 credits at the 300 level. This must include four laboratory courses (at least one at the 300 level). A maximum of four credits from BIOL 299, 395, 399, can be counted as biology electives.
2. Most students are advised to take the following chemistry sequences: Chem 116, 118, & 119 and 211, 213, & 216. Students with a strong background in chemistry may elect to take Chem 203, 204, & 119 and 223, 224, & 216. If students take Chem 203, they should also enroll in Chem 119 simultaneously.
3. The requirements for professional programs in medicine, dentistry, and veterinary medicine vary among schools; students should consult advisors and the Biology Department Student Handbook for additional information.
4. Biology majors must complete a **minimum of 69 hours outside the major.**
5. Majors seeking Certification in Secondary Education must enroll in the required education courses. See the School of Education for information.
6. Minimum competency: A grade of C- or better must be earned in all required biology courses (excluding electives). See catalog for prerequisite competency information.
7. A student may only repeat a required biology course or related requirement once for major credit and the course must be taken at the next offering of the class. If a student does not earn at least a C- on the second taking of the class, he/she will not be able to complete the major.
8. Majors must complete the department writing requirement—see College Bulletin.

Curriculum Guide Sheets are updated after publication of the College Undergraduate Bulletin to reflect mid-publication curricular changes. If you notice any inexplicable variation, please contact the Office of the Dean of the College immediately (Erwin 106, Ext. 5541).

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