BIOLOGY CONCENTRATION WITH A SPECIALIZATION IN ECOLOGY AND CONSERVATION BIOLOGY

**BIOLOGY CORE COURSE REQUIREMENTS (5)**
- BI 107
- BI 108
- BI 206
- BI 303
- BI 448

**ADDITIONAL BIOLOGY (7)**
- 1 course must be a PER/NEU.
- 3 courses must be @ 300-500 level.
- 3 courses must have a lab component.

- BI 315 or 325
- BI 
- BI 
- BI 
- BI 
- BI 
- BI 

**TROPICAL ECOLOGY PROGRAM (OPTIONAL COURSES)**
- BI 438
- BI 439
- BI 440
- BI 441

_TEP courses fulfill 4 of the 7 Additional Biology Courses and the Biology Concentration Requirement of 3 courses at the 300-500 level, with a lab/field component._

**CAS REQUIREMENTS**

<table>
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<th>WR100</th>
<th>WR150</th>
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Language 1 | Language 2 |
Language 3 | Language 4 |

_Tropical Ecology Program requires 2 semesters of Spanish._

**DIVISIONAL REQUIREMENTS**

<table>
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<th>HU</th>
<th>SS</th>
<th>MA/CS</th>
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| HU | SS | MA/CS |

**RELATED REQUIREMENTS**

**CHEMISTRY (3)**

*Option 1*
- CH 101 (111) __________
- CH 102 (112) __________
- CH 203 (211) __________

*Option 2*
- CH 171
- CH 172
- CH 273

**PHYSICS (2)**
- PY 105 (211) __________
- PY 106 (212) __________

**MATHEMATICS (2)**
- MA 121/MA 122 __________
- MA 123/MA 124 __________
- MA 213/MA 214 __________
- CS 108 or 111/MA __________
- Calc/Stats __________

See your bulletin for acceptable math course combinations.

**PROPOSED COURSE OF STUDY**

**FRESHMAN YEAR**

| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |

**SOPHOMORE YEAR**

| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |

**JUNIOR YEAR**

| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |

**SENIOR YEAR**

| 1 | 1 |
| 2 | 2 |
| 3 | 3 |
| 4 | 4 |

10/2008
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Core Biology Courses (5)
BI 107 Biology I
BI 108 Biology II
BI 206 Genetics
BI 303 Ecology
BI 448 Biodiversity & Conservation Biology

plus

Additional Biology Courses (7) - 1 must be BI 315 or BI 325

Six courses in Biology must be selected from the following array:
BI 260, BI 301, BI 302, BI 305, BI 306, BI 309, BI 407, BI 414, BI 415, BI 417, BI 423,
BI 466, BI 468, BI 477, BI 486, BI 503, BI 506, BI 508, BI 512, BI 515, BI 530, BI 531,
BI 532, BI 547

4 of the additional 7 Biology Courses may be taken as part of the
Tropical Ecology Program in Ecuador!

Related Requirements

Chemistry Courses (3)
CH 101, 102 & 203; CH 111, 112 & 211; or CH 171, 172 & 273

Physics Courses (2)
PY 105 & 106 or PY 211 & 212

Mathematics Courses (2)
MA 121 & 122; or 123 & 124; or 213 & 214;
or CS 108 or CS 111 and 1 Math course (listed previously);
or 1 course in Calculus and 1 course in Statistics (listed previously)

Additional Information

Students must have a minimum of three biology courses with laboratory of field components.
At least three of the biology courses must be at the 300-500 level.

The following courses must be completed prior to attending the Tropical Ecology Program in Ecuador: BI 107, BI 108 and BI 303. Completion of two semesters of Spanish is also required to participate in the program. A minimum GPA of 3.0 is required to participate in the program.

One semester of research, either Work for Distinction or Undergraduate Research on an approved topic with an EBE faculty member may also be accepted for the specialization.

A grade at least C is necessary in all biology related courses for concentration credit, with a minimum GPA of 2.0 in the Biology Concentration.

All biology or related courses must be approved for concentration credit by the Department of Biology. Selected courses in Chemistry, Earth Sciences, Environmental Sciences, Health Sciences, and MMEDIC are available for concentration credit by department petition.

For more information see Ruth Greene, Biology Department Academic Administrator, BRB 101; Dr Thomas Kunz, CECB Director, BRB 431; or Freya Hendrickson, CECB Administrator, BRB 431.