

*For students that declared the
EBIO major with the Area Requirements*

EBIO Undergraduate Planning Form

*** NOTE: All major coursework, including ancillary coursework, must be completed with a grade of C- or better. Students cannot use pass/fail coursework towards the major (except internship and certain study abroad courses).***

EBIO Major Fundamentals Sequence

- | | |
|---|-------------------------|
| _____ EBIO 2050-4 Environmental Biology w/lab | (or EBIO 1220-3/1240-1) |
| _____ EBIO 2060-4 Cellular and Integrative Physiology w/lab | (or EBIO 1210-3/1230-1) |
| _____ EBIO 2070-4 Genetics: Molecules to Populations w/recitation | (or EBIO 3200-4) |
| _____ EBIO 2080-4 Evolutionary Biology w/recitation | (or EBIO 3250-3) |

Area Requirement (At least one course from 2 of the 3 lists below)

- | <i>Environmental Biology</i> | <i>Integrative Physiology</i> | <i>Evolution/Genetics</i> |
|--|---|-------------------------------------|
| _____ EBIO 3240-4 Animal Behavior | _____ EBIO 3430-5 Human Phys. | _____ EBIO 3500-4 Plant Kingdom |
| _____ EBIO 4040-3 Conservation Biology | _____ EBIO 3530-5 Plant Phys. | _____ EBIO 3520-4 Plant Systematics |
| _____ EBIO 4170-3 Ecosystem Ecology | _____ EBIO 3700-5 Comparative Animal Phys. | _____ EBIO 3720-5 Comp. Vert. Anat. |
| _____ EBIO 3140-3 Plant Ecology | | _____ EBIO 3850-4 Invert. Zoology |
| _____ EBIO 3155-3 Pop. and Comm. Ecology | | |

EBIO Upper Division Hours Total = _____ (minimum 18 credit hours required at 3000 and/or 4000 level which includes Area Requirements courses listed above, up to 12 credit hours of approved courses outside EBIO may be applied)

- | | | |
|------------------------------------|------------------------------------|------------------------------------|
| _____ EBIO _____ (credit hours =) | _____ EBIO _____ (credit hours =) | _____ EBIO _____ (credit hours =) |
| _____ EBIO _____ (credit hours =) | _____ EBIO _____ (credit hours =) | _____ EBIO _____ (credit hours =) |
| _____ _____ (credit hours =) | _____ _____ (credit hours =) | _____ _____ (credit hours =) |

- **EBIO 4000-Level Credits** (minimum 6 credit hours required)
Of the 18 upper division credit hours, at least six credit hours must be EBIO credits at the 4000 level. These credits must be taken in the EBIO Department on the Boulder Campus. Cannot be satisfied by taking EBIO 4010 or Study Abroad. No more than three credit hours of independent study/research will count. Up to two Critical Thinking courses in EBIO can be counted.

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|------------------------------------|------------------------------------|------------------------------------|
| _____ EBIO 4 ___ (credit hours =) | _____ EBIO 4 ___ (credit hours =) | _____ EBIO 4 ___ (credit hours =) |
| _____ EBIO 4 ___ (credit hours =) | _____ EBIO 4 ___ (credit hours =) | _____ EBIO 4 ___ (credit hours =) |

TOTAL EBIO HOURS = _____ (minimum 38 credit hours required)

Up to 12 credit hours of specified courses outside EBIO can be applied towards the major (see course listing on reverse). In this total, DO NOT include the required Ancillary Science courses. The EBIO writing courses (EBIO 1950, 3940) and EBIO non-majors' courses (EBIO 1030, 1040, 1050) DO NOT count towards credit hours for the major; however, they DO count towards the maximum 45 credit hours allowed in one department and the 120 minimum credit hours required for graduation in the College of A&S.

Ancillary Science

- ***Chemistry Sequence***
_____ CHEM 1111-5 & 1131-5 OR _____ CHEM 1111-5 & 1071-4 OR _____ CHEM 1151-6 & 1171-6
- ***Physics Sequence***
_____ PHYS 2010-5 & 2020-5 OR _____ PHYS 1110-4 & 1120-4 & 1140-1
- ***Calculus*** _____ MATH 1310-5 OR _____ MATH 1300-5 OR _____ APPM 1350-4

**Courses in other departments that may be applied toward
the EBIO major for a maximum of 12 credit hours
(CU courses not listed here cannot be counted toward the major)**

Anthropology

ANTH 3000-3 Primate Behavior
ANTH 3010-3 The Human Animal
ANTH 4080-3 Anthropological Genetics
ANTH 4110-3 Human Evolutionary Biology
ANTH 4120-3 Advanced Physical Anthropology
ANTH 4150-3 Human Ecology: Biological Aspects
ANTH 4170-3 Primate Evolutionary Biology

MCD Biology

MCDB 1150-3/1151-1 Introduction to Molecular Biology 1 and lab
(can substitute for EBIO 2060 or EBIO 1210/1230, but no more than one of these can apply to EBIO major)
MCDB 2150-3/2151-1 Principles of Genetics and lab
(can substitute for EBIO 2070 or 3200, but no more than one of these can apply to the EBIO major)
Any 3000- or 4000-level MCDB course that is approved for the MCDB major

Chemistry

CHEM 4191-3 Chemistry and Biochemistry of the Biosphere
CHEM 4411-3 Physical Chemistry with Biochemistry Applications 1
CHEM 4431-3 Physical Chemistry with Biochemistry Applications 2
CHEM 4711-3 General Biochemistry 1
CHEM 4731-3 General Biochemistry 2
CHEM 4761-4 Biochemistry Laboratory

Geography

GEOG 3351-3 Biogeography
GEOG 4371-3 Forest Geography: Principles and Dynamics

Geology

GEOL 3410-3 Paleobiology
GEOL 4470-4 Paleontology of the Lower Vertebrates
GEOL 4480-4 Paleontology of the Higher Vertebrates

Kinesiology

KAPH 3420-3 Nutrition, Health and Performance

Museum

MUSM 4011-4 Introduction to Museum Studies
MUSM 4913-3 Museum Practicum in Botany
MUSM 4915-(2-3) Museum Practicum in Zoology
MUSM 4916-3 Museum Practicum in Entomology

Philosophy

PHIL 3140-3 Environmental Ethics

Psychology

PSYC 3102-3 Behavioral Genetics
PSYC 4052-4 Behavioral Neuroscience
PSYC 4092-3 Hormones and Behavior
PSYC 4112-3 Behavioral Genetics Laboratory
PSYC 4132-3 Behavioral Neuropharmacology
PSYC 4385-3 Ethology and Comparative Psychology