

BACHELOR OF SCIENCE DEGREE ENVIRONMENTAL BIOLOGY/ZOOLOGY COORDINATE MAJOR

FOR ADDITIONAL INFORMATION, PLEASE CONTACT THE [DEPARTMENT OF ZOOLOGY](#)

(1) UNIVERSITY REQUIREMENTS

Writing Requirement

Tier I: LB 133 4
Tier II: Satisfied by completing the Lyman Briggs College History, Philosophy and Sociology of Science and Senior requirements listed below.

Integrative Studies in Arts & Humanities (IAH)

IAH 201-210* 4
IAH 211-241* † 4

Integrative Studies in Social, Behavioral & Economic Sciences (ISS)

ISS 200-level course* 4
ISS 300-level course* ‡ 4

*National, International, & Multicultural Diversity
Students must include at least one "N" course and one "I" course in their Integrative Studies programs. A "D" course may meet either an "N" or an "I" requirement, but not both.

†Beginning Summer 2013, LB 331, 333, and 336 will fulfill the IAH "B" university requirement (IAH 211 or higher). Please consult your LBC advisor for specific details for your program.

‡Beginning Summer 2013, LB 332, 334, and 335 will fulfill the ISS 300-level university requirement. Please consult your LBC advisor for specific details for your program.

Mathematics, Biological and Physical Sciences

Satisfied by the Lyman Briggs College requirements in Mathematics, Biological and Physical Sciences (see below).

Minimum number of credits required: 120

Minimum cumulative and major grade point average: 2.0

(2) LYMAN BRIGGS COLLEGE REQUIREMENTS

Biological Sciences (9 cr.)

Complete ONE of the following groups of courses
(1) LB 144 & 145* 9
(2) BS 161, 162, 171, & 172 10

Chemistry (9 cr.)

Complete ONE of the following groups of courses
(1) LB 171 & 171L* 8†
(2) CEM 141 & 161* 7†

Physics (8-10 cr.)

Complete ONE of the following groups of courses
(1) LB 273, 274* 8
(2) PHY 231, 232, 251, & 252* 8

Mathematics (7-8 cr.)

Complete ONE of the following groups of courses
(1) LB 118 & 119* 8
(2) LB 118 & STT 231* 7
(3) MTH 132 & 133 * 7
(4) MTH 132 & STT 231* 7

History, Philosophy & Sociology of Science (11-12 cr.)

LB 133 4
LB 330-336, 355, 490E; ENG 473A; HST 425; SOC 368 7-8

Senior Seminar (4 cr.)

LB 492 4

*Chemistry, Physics and Mathematics courses also satisfy graduation requirements for the major

†LBC Chemistry requirement met with completion of CEM 251

(3) MAJOR REQUIREMENTS

Complete ALL of the following courses (24 cr.)

CEM	251	Organic Chemistry I	3
CEM	252	Organic Chemistry II	3
CEM	255	Organic Chemistry Laboratory	2
CSS	210	Fundamentals of Soil Science	3
PLB	441	Plant Ecology	3
IBIO	306	Invertebrate Biology	4
IBIO	341	Fundamental Genetics	4
IBIO	355	Ecology	3
IBIO	355L	Ecology Laboratory	1
IBIO	445	Evolution	3
IBIO	483	Environmental Physiology	4

ENT 404 may be substituted for IBIO 306; FOR 404 may be substituted for PLB 441.

Complete ONE of the following courses (4 cr.)

FW	471	Ichthyology	4
IBIO	360	Biology of Birds	4
IBIO	365	Biology of Mammals	4
IBIO	384	Biology of Amphibians & Reptiles	4

Complete ONE course from each of the following groups (9-11 cr.)

1. PLB	218	Plants of Michigan	3
PLB	418	Plant Systematics	3
2. FW	420	Stream Ecology	3
PLB	424	Algal Biology	4
IBIO	353	Marine Biology	4
IBIO	485	Tropical Biology	3
3. FW	416	Marine Ecosystem Management	3
FW	472	Limnology	3
GLG	421	Environmental Geochemistry	4

Students must complete a minimum of 33 credits in Zoology courses. Zoology courses that are not listed above must be approved in writing by the student's academic advisor. Courses offered by other departments may be substituted for Zoology courses with the written approval of the student's academic advisor.

IMPORTANT: These guidelines are presented for planning purposes only. Students MUST consult a department advisor for confirmation of major requirements.