

BACHELOR OF SCIENCE DEGREE ENVIRONMENTAL BIOLOGY/PLANT BIOLOGY COORDINATE MAJOR

FOR ADDITIONAL INFORMATION, PLEASE CONTACT THE DEPARTMENT OF PLANT BIOLOGY ADVISING OFFICE

(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.

†Summer 2013 to Summer 2017: LB 331, 333, and 336 will fulfill the IAH “B” university requirement (IAH 211 or higher). Please consult your LBC Academic Advisor for specific details for your program.

‡Summer 2013 to Summer 2017; LB 332, 334, and 335 will fulfill the ISS 300-level university requirement. Please consult your LBC Academic Advisor for specific details for your program.

Beginning Fall 2017; LB 321a, 322a, 323a, 324a, 325a, 326a and 327a will fulfill the IAH university requirement (IAH 211 or higher).

@ Beginning Fall 2017; LB 321b, 322b, 323b, 324b, 325b, 326b and 327b will fulfill the ISS 300-level university requirement.

Please contact your LBC Academic Advisor for specific details for your program. If you fulfilled the LB 331, 332, 333, 334, 335 or 336 requirement you do not need the new Fall 2017 courses.

Mathematics, Biological and Physical Sciences

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

(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, 172, & 172L* 9
(2) CEM 141, 142, & 161* 8

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 (6-8 cr.)

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

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

LB 133 4
LB 321-327, 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

Minimum number of credits required: 120

Minimum cumulative and major grade point average: 2.0

(3) MAJOR REQUIREMENTS

Complete ALL of the following courses (27 cr.)

CSS	210	Fundamentals of Soil Science	3
FW	417	Wetland Ecology & Management	3
GEO	221	Introduction to Geographic Information	3
PLB	203	Biology of Plants	3
PLB	415	Plant Physiology	3
PLB	418	Plant Systematics	3
PLB	498	Undergraduate Research	3
PLB	499	Senior Seminar	2
IBIO	355	Ecology	3
IBIO	355L	Ecology Laboratory (W)	1

Complete ONE of the groups (4 -6 cr.)

CEM	143	Survey of Organic Chemistry OR	4
CEM	251	Organic Chemistry I	3
CEM	252	Organic Chemistry II	3

Complete ONE of the following courses (3-4 cr.)

CSS	350	Introduction to Plant Genetics	3
IBIO	341	Fundamental Genetics	4

Complete ONE of the following courses (3-4 cr.)

ENT	404	Fundamentals of Entomology	3
PLP	405	Plant Pathology	3
PLP	407	Diseases & Insects of Forest & Shade Trees	4

Complete ONE of the following courses (3 cr.)

FW	410	Upland Ecosystem Management	3
FW	444	Conservation Biology	3

Complete TWO additional 300-400 level courses relating to Environmental Biology approved by the Department of Plant Biology (6-8 cr.).

IMPORTANT: This advising guide is presented for planning purposes only. It is the student's responsibility for knowing and following University, college and departmental requirements as stated in the [Academic Programs Catalog](#).

The Academic Advisors will provide information and suggest others based on expressed interests. It is the student's responsibility for enrolling in classes and selecting the number of credits per semester for success. Appointments are made using the [Student Success Dashboard](#).