

# BACHELOR OF SCIENCE DEGREE PLANT BIOLOGY COORDINATE MAJOR

**FOR ADDITIONAL INFORMATION, PLEASE CONTACT THE DEPARTMENT OF PLANT BIOLOGY**

## **(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, 172, & 172L\* 9  
(2) CEM 141, 142, & 161\* 9  
(3) CEM 151, 152, & 161\* 9

### Physics (8-10 cr.)

Complete ONE of the following groups of courses  
(1) LB 273, 274\* 8  
(2) PHY 183 & 184 8  
(3) PHY 231, 232, 251, & 252\* 8

### Mathematics (6-8 cr.)

Complete ONE of the following groups of courses  
(1) LB 118 & LB 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

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

### (3) MAJOR REQUIREMENTS

Complete both of the following courses (6 cr.)			
CEM	251	Organic Chemistry I	3
CEM	252	Organic Chemistry II	3
Complete one of the following options (4 -6 cr.)			
BMB	401	Comprehensive Biochemistry	4
OR			
BMB	461	Advanced Biochemistry I	3
AND			
BMB	462	Advanced Biochemistry II	3
Complete ONE of the following courses (3-4 cr.)			
PLB	434	Plant Structure and Function	4
PLB	441	Plant Ecology	3
Complete ONE of the following courses (3 cr.)			
MMG	409	Eukaryotic Cell Biology	3
MMG	431	Microbial Genetics	3
Complete ALL of the following courses (27 cr.)			
PLB	203	Biology of Plants	4
PLB	415	Plant Physiology	3
PLB	416L	Plant Physiology Laboratory	2
PLB	418	Plant Systematics	3
PLB	498	Undergraduate Research	3
PLB	499	Senior Seminar	1
IBIO	355	Ecology	3
IBIO	355L	Ecology Laboratory (W)	1
IBIO	341	Fundamental Genetics	4
IBIO	445	Evolution (W)	3

**TWO 300-400 level courses relating to plant biology approved by the Department of Plant Biology (6-8 cr.)**

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