

**BS IN ENVIRONMENTAL BIOLOGY/MICROBIOLOGY**

(as approved by MMG Faculty, 06/21/96)

**Lyman Briggs College**

**University (Integrative Studies & Tier I Writing Courses) (20 cr)**

Tier 1 Writing(LB 133 or WRA 1XX) . . . . .	4 credits
Social Behavioral and Economic Sciences (ISS 2XX & 3XX). . . . .	8 credits
Arts and Humanities (IAH ≤210 & ≥211). . . . .	8 credits

**Lyman Briggs College (46 - 47 credits)**

Mathematics - LB 118 & 119 . . . . .	9 credits
<u>or</u> LB 118 & STT 231 . . . . .	8 credits
Physics - LB 271, LB 271L, LB 272, LB 272L . . . . .	8 credits
Chemistry - LB 171, LB 171L, LB 172, LB 172L . . . . .	9 credits
Biological Science - 144, 145 . . . . .	9 credits
History, Philosophy & Sociology of Science	
Two of LB 330 - 336, 355, 425, 483 . . . . .	7 or 8 credits
Senior Seminar - LB 492 . . . . .	4 credits

**Department Requirements (56 - 58 credits)**

Organic Chemistry - CEM 251, 252, 255 (or equivalent) . . . . .	8 credits
Civil Engineering - CE 280 . . . . .	3 credits
Crop and Soil Science - CSS 210 . . . . .	3 credits
Geology - GLG 201, 421 . . . . .	7 credits
Biochemistry - BMB 461, 462 . . . . .	6 credits
Zoology - ZOL 355, 355L . . . . .	4 credits

Microbiology (MMG)

a. Core Courses:		
Introductory Microbiology	301	3 credits
Introductory Microbiology Lab	302	1 credit
Advanced Microbiology Lab*	408	3 credits
Prokaryotic Cell Physiology	421	3 credits
Microbial Ecology	425	3 credits
Microbial Genetics	431	3 credits
b. Capstone Experience:		
**Undergraduate Research Seminar	492	1 credit
<u>and</u> Undergraduate Research	≠499 or 499H	2 credits
<u>or</u>		
Current Topics in Microbiology	491	3 credits

(continued)

## Department Requirements (continued)

**One** course from **each** of **two** of the following groups:

a.	Biogeochemistry	MMG 426	3 credits
b.	Food Microbiology	FSC 440+441	3 credits
c.	Basic Biotechnology	MMG 445	3 credits
d.	Organic Pollutants	CSS 455	3 credits
e.	Physical Geography <b>or</b> Intro to Geographic Inform	GEO 206 GEO 221	3 credits 3 credits
f.	Forest & Agric Ecology	FOR 404	4 credits
g.	Law and Resources <b>or</b> Environ Issue & Pub Policy	RD 430 ZOL 446	3 credits 3 credits
h.	Limnology <b>or</b> Comparative Limnology	FW 472 ZOL 431	3 credits 4 credits
i.	Microbial Genomics	MMG 433	3 credits

\*Fulfills Tier II Writing requirement

\*\*Recommended experience

⌘Variable credit course (1-3 credits per semester; 6 credit maximum)