

STUDENT:



STUDENT ID NUMBER:

COLLEGE OF LIBERAL ARTS & SCIENCES • BS • BIOLOGY/ORGANISMAL/ECOLOGY

Program Code: ULASBIOOE

Effective Date: 08/29/2011

GENERAL EDUCATION
I. UNIVERSITY CORE (12 credits)

	RC	CR	GR
A. Oral Communication: COM 10 or above			
COURSE:	3		
B. Written Communication: ENG 23, 24, or 25			
COURSE:	3		
C. Mathematics: MAT 17 or above			
COURSE:	3		
D. Wellness: Any 3-credit HEA course			
COURSE:	3		

II. UNIVERSITY DISTRIBUTION (15 credits)

	RC	CR	GR	CAC
A. Natural Sciences: Any lab or non-lab course with prefix AST, BIO, CHM, ENV, GEL, MAR, NSE, or PHY; or certain GEG courses (see note at right)				
COURSE:	3			
B. Social Sciences: Any course with prefix ANT, CRJ, ECO, HIS, INT, MCS, PSY, POL, SOC, SSE, or SWK; or certain GEG courses (see note at right)				
COURSE:	3			
C. Humanities: Any course with prefix ENG, HUM, PAG, PHI, WRI, WGS, or Modern Language				
COURSE:	3			
D. Arts: Any course with prefix ARC, ARH, ART, CDE, CDH, CFT, DAN, FAR, FAS, MUP, MUS, or THE				
COURSE:	3			
E. Free Elective: Any course carrying university credit				
COURSE:	3			

III. COMPETENCIES ACROSS THE CURRICULUM

	RC	CR	GR	CAC
A. Writing Intensive (WI) (9 credits)				
COURSE:	3			WI
COURSE:	3			WI
COURSE:	3			WI
B. Quantitative Literacy (QL) (3 credits) CP Computer-Intensive (CP) (3 credits)				
COURSE:	3			
C. Visual Literacy (VL) (3 credits) CM Communication-Intensive (CM) (3 credits)				
COURSE:	3			
D. Cultural Diversity (CD) (3 credits)				
COURSE:	3			CD
E. Critical Thinking (CT) (3 credits)				
COURSE:	3			CT

A Competency Across the Curriculum (CAC) course is not a separate course, but rather an overlay that is "double counted" as fulfilling both the CAC requirement and another requirement in either General Education (except for the University Core), the major, or the minor.

RC = Minimum required number of credits
 CR = Credits earned (fill in number of credits)
 GR = Grade earned (fill in letter grade)

CAC = Competency Across the Curriculum (fill in designation)

NOTE: GEG courses with a lab and 40, 322, and 323 may be used in II.A. and GEG courses 40, 204, 274, 304, 322, 323, 324, 347, 380, and 394 may NOT be used in II.B.

IV. COLLEGE DISTRIBUTION (33 credits)

	RC	CR	GR	CAC
A. Natural Science, Mathematics, and Computer Science* (6 credits): Choose one course in each subcategory.				
1. Natural Science with Lab: AST, BIO, CHM, ENV, GEL, PHY, or MAR; or GEG (see note at right)				
COURSE:	3			
2. Elective: MAT, CSC, AST, BIO, CHM, ENV, GEL, PHY, or MAR; or GEG (see note at right)				
COURSE:	3			
B. Social Science (9 credits): Choose one course in each subcategory.				
1. Elective: HIS, ANT, GEG (see note at right), or POL				
COURSE:	3			
2. Elective: PSY, SOC, CRJ, or SWK				
COURSE:	3			
3. Elective: ANT, HIS, ECO, GEG (see note at right), PSY, POL, SOC, CRJ, or SWK				
COURSE:	3			

	RC	CR	GR	CAC
C. Humanities (9 credits): Choose one course in each subcategory.				
1. Elective: PAG*, ENG, WRI, or HUM				
COURSE:	3			
2. Elective: Modern Language (103 or above) or PHI				
COURSE:	3			
3. Elective: PAG*, ENG, WRI, HUM, Modern Language (103 or above), or PHI				
COURSE:	3			
D. Free Electives (9 credits): Choose any university courses that count toward graduation.				
COURSE:	3			
COURSE:	3			
COURSE:	3			

NOTE: GEG courses with a lab and 40, 322, and 323 may be used in IV.A. and GEG courses 40, 204, 274, 304, 322, 323, 324, 347, 380, and 394 may NOT be used in IV.B.

Students in the College of Liberal Arts and Sciences are required to take at least one course in Biological Science (BIO) and at least one course in Physical Science (AST, CHM, ENV, GEL, PHY, MAR, GEG with lab, or GEG 40, GEG 322, or GEG 323), and at least one of which must be a lab (each course may be counted in either sections II.A or IV.A).

* Excludes PAG 011 and PAG 012

LIBERAL ARTS AND SCIENCES: BACHELOR OF SCIENCE BIOLOGY / ORGANISMAL / ECOLOGY

VI. MAJOR PROGRAM: 47/48 S.H.		
A. REQUIRED BIO: 23 S.H.		
	Gr.	S.H.
BIO 104 Principles of Biology		4
BIO 106 Intro. To Zoology		4
BIO 108 Intro. To Botany		4
BIO 224 Applied Env. Microbiology		3
BIO 216QL Genetics		3
BIO 270CT WI Research Methods		3
BIO 380 Senior Seminar		2
B. ORGANISMAL/ECOLOGY TRACK: 12 S.H.		
BIO 244 Ecology		3
BIO 232 Plant Physiology OR BIO 300 Comp. Animal Physiol. OR BIO 228 Human Phys OR BIO 320 Phys. Ecology Animals		3
BIO 302 Entomology OR BIO 218 Vertebrate Biology OR BIO 308 Ornithology OR BIO 316 Invertebrate Biology		3
BIO 230 Taxonomy Vasc. Plants OR BIO 232 Plant Phys (See Note 1) OR BIO 324 Plant Ecology		3
C. ELECTIVES: 12/13 S.H.		
BIO 222WI Environmental Biology BIO 226 Marine Biology BIO 230 Taxonomy Vascular Plants BIO 232 Plant Physiology BIO 228 Human Phys BIO 218 Vertebrate Biology BIO 302 Entomology BIO 308 Ornithology BIO 314 Animal Behavior BIO 316 Invert. Biology BIO 320 Physiological Ecology Animals BIO 322WI Pop. & Community Ecology BIO 324 Plant Ecology BIO 326 Marine Ecology BIO 332 Aquatic Ecology BIO 346 Molecular Biology BIO 350 Cell Biology BIO 300 Comp. Animal Physiology BIO 342 Herpetology BIO 370 Research OR BIO 390 Internship	select three courses from this block	9
BIO, MAR, or ENV 200-400 level elective		3/4

VII. CONCOMITANT COURSES: 30 S.H.		
A. REQUIRED CHM: 16 S.H.		
	Gr.	S.H.
CHM 100 General Chemistry I		4
CHM 102 General Chemistry II		4
CHM 214VL Organic Chemistry I		4
CHM 220 Env. Analysis OR CHM 216WI Organic Chemistrv II		4
B. REQUIRED PHY: 8 S.H.		
PHY 040 Physics I & PHY 042 Physics II OR PHY 100 Physics I & PHY 102 Physics II		4 4
C. MATHEMATICS 6 S.H.		
MAT 106 Trigonometry OR MAT 115 Precalculus OR MAT 181 Calculus I		3
MAT 140 Applied Statistics OR PSY/SOC 200 Statistics OR MAT 150 Biostatistics OR MAT 181 Calculus I OR MAT 182 Calculus II		3
MIN. REQ. SEMESTER HOURS		120

VIII. GRADUATION REQUIREMENTS		
A. At least 120 Semester Hours	yes	no
B. Comprehensive Exam Passed	yes	no
C. Minimum QPA of 2.0 overall	yes	no
D. Minimum QPA of 2.0 in major	yes	no
E. 5 courses in Cat VI at the 300 or 400 level	yes	no

NOTES
1. No single course can count toward more than one category
2. *PSY011 & SOC010 are prereq. to most courses in their respective disciplines
3. **GEG- Non-laboratory courses only allowed in this category.
4. ***Grade of B or better required as prereq for CHM216.
5. 5 courses in Cat. VI must be at 300 or 400 level.

Program: ULASBIOOE
 Effective Date of Program: Fall 2011
 Revised: 2/2011

Approved

B.S. Biology/Organismal Ecology

Suggested 4-Year Schedule

Freshman Year

Fall Semester	Cr
CHM 100 – Gen Chem I	4
BIO 104 – Principles of Biology	4
Gen Ed Course	3
Gen Ed Course	3
Total	14

Spring Semester	Cr
CHM 102 – Gen Chem II	4
BIO 106 – Intro to Zoology	4
Gen Ed Course	3
Required Math ^{1,2}	3
Total	14

Sophomore Year

Fall Semester	Cr
CHM 214VL Org Chem I	4
BIO 108 – Intro to Botany	4
BIO 224 – App. Env. Micro.	3
Gen Ed Course	3
Gen Ed Course	3
Total	17

Spring Semester	Cr
CHM 216WI Org Chem II	4
BIO 270CT WI – Research Methods	3
BIO Plant or Animal Course or BIO Elective ³	3
Required Math ^{1,2}	3
Gen Ed Course	3
Total	16

Junior Year

Fall Semester	Cr
PHY 40 or 100	4
BIO 244 Ecology	4
BIO Plant or Animal Course or BIO Elective ³	3
Gen Ed Course	3
Gen Ed Course	3
Total	17

Spring Semester	Cr
PHY 42 or 102	4
BIO 216QL Genetics	3
BIO Physiology Course or BIO Elective ⁴	3
Gen Ed Course	3
Gen Ed Course	3
Total	16

Senior Year

Fall Semester	Cr
BIO Plant or Animal Course or BIO Elective ³	3
BIO Plant or Animal Course or BIO Elective ³	3
BIO Physiology Course or BIO Elective ⁴	3
Gen Ed Course	3
Gen Ed Course	3
Total	15

Spring Semester	Cr
BIO 380 - Senior Seminar	2
BIO Plant or Animal Course or BIO Elective ³	3
BIO Plant or Animal Course or BIO Elective ³	3
Gen Ed Course	3
Gen Ed Course	3
Total	14

¹ See required courses on track sheet. Note: **MAT 105** is a prerequisite for **MAT 106, MAT 140, and MAT 150**.

² Prerequisites of MAT 017 or higher and PSY 11 Intro to Psychology are required for PSY 200 (Statistics for the Social and Behavioral Sciences).

³ One animal course (**BIO 218, 302, 308, or 316**), one plant course (**BIO 230, 232, or 324**), and four BIO electives are required.

⁴ One physiology course (**BIO 122 or 228, 232, 300, or 320**) and one General Elective are required.

Note: No single course can count toward more than one category. At least five BIO courses must be at 300-400 level.