

STUDENT:



STUDENT ID NUMBER:

COLLEGE OF LIBERAL ARTS & SCIENCES • BS • BIO/PRE-MED & OTHER HEALTH CAREERS

Program Code: ULASBIOMH

Version Number: Fall 2011

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: MAT 106, 115, or 181 suggested	3/4		
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: BIO 216 suggested	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)				
Computer-Intensive (CP) (3 credits)				
COURSE:	3			
C. Visual Literacy (VL) (3 credits)				
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: BIO 224 suggested	3			
2. Elective: MAT, CSC, AST, BIO, CHM, ENV, GEL, PHY, or MAR; or GEG (see note at right)				
COURSE: MAT 106, 115, or 181 suggested	3/4			
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: Fulfilled with suggested course	3			
COURSE: Fulfilled with suggested 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 / PRE-MEDICAL & OTHER HEALTH CAREERS

VI. MAJOR PROGRAM: 48 S.H. (see Note 1)			
A. REQUIRED BIO: 23 S.H.	Gr.	S.H.	CAC
BIO 104 Principles of Biology*		4	
BIO 106 Intro. To Zoology		4	
BIO 108 Intro. To Botany		4	
BIO 216QL Genetics		3	
BIO 224 Applied Env. Microbiology		3	
BIO 270CT WI Research Methods		3	
BIO 380 Senior Seminar		2	
B. PRE-MEDICAL TRACK: 10 S.H. (see Note 4)			
BIO 264 Comparative Anatomy		4	
BIO 346 Molecular Biology OR BIO 350 Cell Biology		3	
BIO 122 Anatomy & Phys II OR BIO 228 Human Physiology OR BIO 300 Comp. Animal Phys		3/4	
C. ELECTIVES: 15 S.H.			
BIO 252 Cellular Phys. & Metab. OR CHM 312 Biochem II		9 Select three courses from this block.	
BIO 306 Food Microbiology			
BIO 330 Histology			
BIO 334 Medical Parasitology			
BIO 336 Medical Microbiology			
BIO 354 Developmental Biology			
BIO 356 Immunology			
BIO 370 Research in Biology OR BIO 390 Internship in Biology			
CHM 310 Biochem I			
BIO 460 Cancer Biology			
BIO Field Elective (See Note 3)		3	
BIO 200, 300 or 400 level Elective		3	
VII. CONCOMITANT COURSES: 30/32 S.H.			
A. REQUIRED CHM: 16 S.H.			
CHM 100 General Chemistry I		4	
CHM 102 General Chemistry II		4	
CHM 214VL Organic Chemistry I		4	
CHM 216WI Organic Chemistry II		4	
B. REQUIRED PHY: 8 S.H.			
PHY 040 Physics I & PHY 042 Physics II OR		4	
PHY 100 Physics I & PHY 102 Physics II		4	
C. MATHEMATICS 6/8 S.H.			
MAT 106 Trigonometry OR MAT 115 Precalculus OR MAT 181 Calculus I		3/4	
MAT 140QL Applied Statistics OR PSY/SOC 200 Statistics OR MAT 150 Biostatistics OR MAT 181 Calculus I OR MAT 182 Calculus II		3/4	
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. 5 courses in Cat. VI must be at the 300 or 400 level.	
2. *Grade of C or better required for BIO 104 to be counted as a prerequisite.	
3. Choose one course from among the following: BIO 218 Vertebrate Biology, BIO/ENV 222WI Env. Bio, BIO/MAR 226 Marine Biology, BIO 230 Plant Tax, BIO/ENV 244 Ecology, BIO 302 Entomology, BIO 308 Ornithology, BIO 314 Animal Behav., BIO 322 Pop & Comm Ecology, BIO 324 Plant Ecology, BIO 342 Herpetology, BIO 332WI Aquatic Ecology, BIO 358 Conservation Biology, Biology courses offered at Chincoteague Bay Field Station (200 level or above)	
4. No single course can be used in more than one category.	

Academic Plan: ULASBIOMH
Effective Date of Program: Fall 2016

Approved _____

B.S. Pre-Medical and other health careers Suggested 4-Year Schedule

1/2017

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
Gen Ed Course	3
Required Math ^{1,2}	3
Total	17

Sophomore Year

Fall Semester	Cr
CHM 214VL - Org Chem I	4
BIO 108 – Intro to Botany	4
BIO 224 – Applied Env. Micro.	3
Gen Ed Course	3
Total	14

Spring Semester	Cr
CHM 216WI - Org Chem II	4
BIO 270CT WI – Research Methods	3
BIO 216QL - Genetics	3
Required Math ¹	3
Gen Ed Course	3
Total	16

Junior Year

Fall Semester	Cr
PHY 40 or 100	4
BIO 346 Molecular Bio or BIO Elective	3
BIO 264 – Comp Anatomy	4
BIO Elective ³	3
Gen Ed Course (BIO 121 A&P I)	3
Total	17

Spring Semester	Cr
PHY 42 or 102	4
BIO 122 – A&P II or 228 or 300	3/4
BIO Elective ³ or Cell Bio	3
Gen Ed Course	3
Gen Ed Course	3
Total	16/17

Senior Year

Fall Semester	Cr
Gen Ed	3
BIO Elective ³	3
BIO Elective ³	3
Gen Ed Course	3
Total	12

Spring Semester	Cr
BIO 380 - Senior Seminar	2
BIO 222 Env BIOWI or BIO Elective ³	3
Gen Ed	3
Gen Ed	3
Gen Ed	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 See Biology electives on track sheet.

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