

STUDENT:



STUDENT ID NUMBER:

## COLLEGE OF LIBERAL ARTS & SCIENCES • BS • COMPUTER SCIENCE

Program Number: ULASCSCSD

Version Number: 2118 - Fall 2011

Effective Date: August 29, 2011

### GENERAL EDUCATION

#### I. UNIVERSITY CORE (12 credits)

	RC	CR	GR
<b>A. Oral Communication:</b> COM 10 or above			
COURSE:	3		
<b>B. Written Communication:</b> ENG 23, 24, or 25			
COURSE:	3		
<b>C. Mathematics:</b> MAT 17 or above			
COURSE: MAT140 or MAT301 (Suggested)	3		
<b>D. Wellness:</b> Any 3-credit HEA course			
COURSE:	3		

#### II. UNIVERSITY DISTRIBUTION (15 credits)

	RC	CR	GR	CAC
<b>A. Natural Sciences:</b> 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>B. Social Sciences:</b> 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			
<b>C. Humanities:</b> Any course with prefix ENG, HUM, PAG, PHI, WRI, WGS, or Modern Language				
COURSE:	3			
<b>D. Arts:</b> Any course with prefix ARC, ARH, ART, CDE, CDH, CFT, DAN, FAR, FAS, MUP, MUS, or THE				
COURSE:	3			
<b>E. Free Elective:</b> Any course carrying university credit				
COURSE:	3			

#### III. COMPETENCIES ACROSS THE CURRICULUM

	RC	CR	GR	CAC
<b>A. Writing Intensive (WI)</b> (9 credits)				
COURSE:	3			WI
COURSE:	3			WI
COURSE:	3			WI
<b>B. Quantitative Literacy (QL)</b> (3 credits) OR <b>Computer-Intensive (CP)</b> (3 credits)				
COURSE:	3			
<b>C. Visual Literacy (VL)</b> (3 credits) OR <b>Communication-Intensive (CM)</b> (3 credits)				
COURSE:	3			
<b>D. Cultural Diversity (CD)</b> (3 credits)				
COURSE:	3			CD
<b>E. Critical Thinking (CT)</b> (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
<b>A. Natural Science, Mathematics, and Computer Science#</b> (6 credits): Choose one course in each subcategory.				
<b>1. Natural Science with Lab:</b> AST, BIO, CHM, ENV, GEL, PHY, or MAR; or GEG (see note at right)				
COURSE:	3			
<b>2. Elective:</b> AST, BIO, CHM, CSC, ENV, GEG (see note at right), GEL, MAR, MAT, NSE, or PHY				
COURSE:	3			
<b>B. Social Science (9 credits):</b> Choose one course in each subcategory.				
<b>1. Elective:</b> HIS, ANT, GEG (see note at right), or POL				
COURSE:	3			
<b>2. Elective:</b> PSY, SOC, CRJ, or SWK				
COURSE:	3			
<b>3. Elective:</b> ANT, CRJ, ECO, GEG (see note at right), HIS, INT, POL, PSY, SOC, SSE, or SWK				
COURSE:	3			

	RC	CR	GR	CAC
<b>C. Humanities (9 credits):</b> Choose one course in each subcategory.				
<b>1. Elective:</b> PAG*, ENG, WRI, or HUM				
COURSE: WRI205 or WRI207 or WRI220 (Suggested)	3			
<b>2. Elective:</b> Modern Language (103 or above) or PHI				
COURSE: PHI40CDCT (Suggested)	3			
<b>3. Elective:</b> PAG*, ENG, WRI, HUM, Modern Language (103 or above), or PHI				
COURSE:	3			
<b>D. Free Electives (9 credits):</b> 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

# BS Computer Science (60CR)

Program Code: ULASCSCSD

Version Number: 2185 - Summer 2018

Effective Date: May 28, 2018

Major Program: 51 credits		
<b>1. Required Courses:</b> 33 credits	CR	GR
CSC 125: Discrete Math for CS I		
CSC 225: Discrete Math for CS II		
CSC 135: Comp Sci I		
CSC 136: Comp Sci II		
CSC 235: Comp Org & Assembly Lang.		
CSC 237: Data Structures		
CSC 310: Prog. Languages		
CSC 328: Network Programming		
CSC 343: Operating Systems		
CSC 354: Software Engineering I		
CSC 355: Software Engineering II		

2. CS Elective Courses: 18 credits		
<b>a. CS Elective Courses:</b> 0-9 credits of additional 200-level CSC courses, not previously used for above requirements.	CR	GR
<b>b. CS Elective Courses:</b> 9-18 credits of additional CSC courses, number 300 or above and not previously used for above requirements, excluding any course numbered CSC87x.		

Internal Transfer: 2.25 GPA required  
 Graduation Requirement: 2.25 GPA Major

Concomitant Courses: 9 credits		
<b>1. Required Courses:</b> 9 credits	CR	GR
MAT 181: Calculus I		
MAT 260: Linear Algebra		
MAT (elective higher than 181, not 224)		
MAT 140 or 301: Applied Stat Methods*	X	X
WRI 205: Scientific Writing OR WRI 207: Writing for the Workplace OR WRI 220: Technical Writing and Comm. *	X	X
PHI 040: Intro to Ethics*	X	X
*accounted for in general education		
<b>2. Internship – optional</b> (Gen Ed free elective)	CR	GR
CSC 280: Cooperative Internship I	1-6	
CSC 380: Cooperative Internship II	1-6	

**Notes**

Students minoring in Math should take MAT 301 (not MAT140).

Before taking any 300-level course a student must have completed 18 credit hours in CSC courses numbered 125 or above with a GPA of 2.25 in the CSC courses.

CSC-prefix courses below 125-level, CSC 130, CSC 280 and CSC 380 do not count toward the major requirements for a BS in Computer Science (they can count in general education).

Degree Requirements		
<b>1. Semester Hours (Total: 120)</b>	Req	Earned
a. General Education	60	
b. Major Program	51	
c. Concomitant Courses	9	
<b>2. GPA</b>		
a. Overall	2.0	
b. Major	2.25	
<b>3. Passed Comprehensive Exam</b>	Semester:	

**Suggested Course Schedule**  
**BS Computer Science**  
**Version: 2185**  
 (old Gen Ed version 2118)

Note as CSC electives you may take no more than two 200-level courses.

<p><b>Semester I</b></p> <p>CSC 135            MAT 181            General Education elective            General Education elective            General Education elective</p>	<p><b>Semester II</b></p> <p>CSC 136            CSC elective            CSC 125            MAT 182 or another MAT elective            General Education elective</p>
<p><b>Semester III</b></p> <p>CSC 237            CSC 235            CSC 225            MAT 140 or 301            General Education elective</p>	<p><b>Semester IV</b></p> <p>CSC elective            CSC elective            MAT 260            General Education elective            General Education elective</p>
<p><b>Semester V</b></p> <p>CSC 328            CSC 343            WRI205 or WRI207 or WRI220            General Education elective            General Education elective</p>	<p><b>Semester VI</b></p> <p>CSC 310            CSC elective            PHI 040            General Education elective            General Education elective</p>
<p><b>Semester VII</b></p> <p>CSC 354            CSC elective            General Education elective            General Education elective            General Education elective</p>	<p><b>Semester VIII</b></p> <p>CSC 355            CSC elective            General Education elective            General Education elective            General Education elective</p>