

# COMPUTER SCIENCE – B.S. – 2010-11

(To the student: Please make sure you are using the correct check sheet based on your enrollment year. Official check sheets should be secured only from the Registration Office. YOU are responsible for making sure you are on the correct check sheet, in sync with Registration, and completing all program requirements accurately and on time.)

Min Total Hours Required: 124  
Total Lib Arts Hrs Req'd: 60  
Min overall GPA: 2.0  
Other: Min major GPA of 2.0  
Other: No grade less than C- in major

Residence Requirements:  
31 Hrs at RWC: \_\_\_\_\_  
15 Hrs in Major at RWC: \_\_\_\_\_  
Of last 31 Hrs, 24 at RWC: \_\_\_\_\_

Student Name: \_\_\_\_\_  
Transfer: \_\_\_\_\_  
Advisor: \_\_\_\_\_  
Accepted to Major on: \_\_\_\_\_  
Degree Appl Submitted on: \_\_\_\_\_

General Education Requirements		SHr	Grd
Pick two from the following*:			
ART 101	Intro to Visual Arts (or a Non-Liberal Arts studio art course)	2, 3	
MUS 104	Intro to Music	2	
FNA 102	Intro to Dance	2	
	Behavioral Science ¥	3	
	Foreign Language♦	(3)	
	Foreign Language♦	(3)	
	Foreign Language♦	(3)	
N/A	Hist, Eco, Soc Sci Elect	N/A	N/A
	Lab Science ■	3, 4	
BIB 101	Old Tstmnt Lit & Theol**	3	
BIB 102	New Tstmnt Lit & Theol	3	
CMC 101	Principles of Speech**	2	
CMP 101	Principles of Writing*≈	3	Min C-
CMP 102	WRITING & RESEARCH*€	3	
GED 100	First-Year Seminar**	2	
GED 401	Senior Seminar**	2	
HST 102/103	Western Civ I or II**	3	
LIT 101	Intro to Literature	3	
N/A	Mathematics♦	N/A	N/A
PED 100	Fitness for Life	1	
PED	Physical Ed Skills♣	1	
PHL 202	Phil & Ethical Issues**	3	

Major Requirements: 65 Hours		SHr	Grd
(Note: No more than 6 hrs of CSC 450 and 498, combined, may be applied toward the major.)			
CSC 140	COMPUTER SCIENCE I	4	
CSC 145	OBJECT-ORIENTED PROGRAMMING	3	
CSC 198	Intro to Computer Professions	1	
CSC 245	DATA STRUCTURES	3	
CSC 250	COMPTR ORGNZTN & ARCHITECTURE	3	
<b>CSC 311</b>	<b>SEQNTL &amp; PARALLEL ALGORITHMS</b>	<b>3</b>	
<b>CSC 345</b>	<b>SOFTWARE ENGINEERING</b>	<b>3</b>	
<b>CSC 398</b>	<b>INTRO RESEARCH IN CMPTR SCI</b>	<b>1</b>	
CSC 450 OR CSC 498	INTERNSHIP OR SENIOR PROJECT	3	

300- or 400-level Computer Science electives (9 Hrs)

<b>CSC</b>		<b>3</b>	
<b>CSC</b>		<b>3</b>	
<b>CSC</b>		<b>3</b>	
CMC	Appvd Comm Course(200 or higher)	3	
ECN 200	Fundamentals of Economics	3	
MTH 200 or <b>MTH 303</b>	Statistics or <b>PROBABILITY &amp; STATISTICS</b>	3	
MTH 270	Discrete Math	3	
MTH 281	CALCULUS I	4	
MTH 282	CALCULUS II	4	
<b>MTH 305</b>	<b>NUMERICAL ANALYSIS</b>	<b>3</b>	

Electives – select from the following & from no more than two departments (9 Hrs)

## BIOLOGY DEPARTMENT:

BIO 101 + L	GENERAL BIOLOGY I (WITH LAB)	4	
BIO 102 + L	GENERAL BIOLOGY II (WITH LAB)	4	

## BUSINESS/MANAGEMENT DEPARTMENT:

BUA 101	Introduction to Business	3	
MGT 201	Principles of Management	3	
PSY 260	Organizational Behavior	3	

## CHEMISTRY DEPARTMENT:

CHM 111+L	PRIN OF CHEMISTRY I (WITH LAB)	4	
CHM 112+L	PRIN OF CHEMISTRY II (WITH LAB)	4	

## MATHEMATICS DEPARTMENT:

MTH 283	CALCULUS III	4	
<b>MTH 302</b>	<b>LINEAR ALGEBRA</b>	<b>3</b>	
<b>MTH 404</b>	<b>MATHEMATICAL MODELING</b>	<b>3</b>	

## PHYSICS DEPARTMENT:

PHY 101 OR PHY 201	GENERAL PHYSICS I OR PHYSICS for ENGRS & SCNTSTS I	4	
PHY 102 OR PHY 202	GENERAL PHYSICS II OR PHYSICS for ENGRS & SCNTSTS II	4	
PHY 203	PHYSICS for ENGRS & SCNTSTS III	4	

¥ not needed if PSY 260 is taken as an elective in the major

■ not needed if a lab science is taken as an elective in the major

\*Honors students may elect to take FNA 101H instead of ART/MUS/FNA;

\*Honors students may elect to take CMP 103H instead of CMP 101 & 102; however those not also transferring in a writing course must take an add'l 3-hr Lib Arts elctv

\*\*Honors version of course available for Honors Students

≈Completion within the first two semesters is expected

€Completion within the first two years is recommended

♣No more than 2 hrs may be counted toward degree

♦Or proficiency as outlined in the College catalog

If Transfer student, total # transfer hours:

Date	Total Hours	Total LA Hours	Date	Total Hours	Total LA Hours

Liberal Arts courses: ART-appreciation/history, ASL, AST, BCH, BIB, BIO, CHM, CMC, CMP, CSC-selected, ECN, ESC, ESL, FNA, FRN, GED, GEO, GRK, GRN, HEB, HST, HUM, LIT, MTH, MUS-aural/history/literature/theory, PHL, PHS, PHY, PSC, PSY, REL, RST, SOC, SPN, THE, THR-history, WST

Cannot count as Liberal Arts: ACC, ART-studio/practicum, BUA (incl Bus Math/Bus Comm), CRJ, CSC-applctn/prog lang/practicum, EDU, INT, MGT, MKT, MIN, MUS-appld, MUS-mthds/pedagogy/prfrmcn/practicum, NSC, NSG, PED, PPE, SWK, THR-methods

Shading=Lib Arts; ITALICIZED CAPS=PRE-REQ NEEDED; Bold=Offered alternate years or on demand