



# Bachelor of Science COMPUTER SCIENCE

**Advisement Form 2010-2011**

Name \_\_\_\_\_ ID \_\_\_\_\_

**Special Grade Requirement: A grade of C- or better is required in all pre-requisite courses in the major**

	Un.	Instit.	Course	Units	Grade	Term	Prerequisites, GE & Comments
<b>Lower Division Requirements (42-43 units)</b>							
COMP 150 Object-Oriented Programming	4						Prereq: Programming experience; GE: B4
COMP 151 Data Structures and Program Design	4						Prereq: COMP 150
COMP 162 Computer Architecture and Assembly Language	3						Prereq: COMP 150
COMP 232 Programming Languages	3						Prereq: COMP 151 & 162
COMP 262 Computer Organization and Architecture	3						Prereq: COMP 151 & 162
MATH 150 Calculus I	4						Prereq: Passing score on Calculus Placement Exam or MATH 105; GE: B3
MATH 151 Calculus II	4						Prereq: MATH 150
MATH 230 Logic and Mathematical Reasoning	3						GE: A3, B3
MATH 240 Linear Algebra	3						Prereq: MATH 151
<b>Science: Choose either (a) or (b)</b>							
<b>(a)</b>							
PHYS 200 General Physics I	4						Prereq: MATH 150; GE: B1
PHYS 201 General Physics II	4						Prereq: PHYS 200; GE B1
Choose a course from GE Section B2	3-4						
<b>(b)</b>							
PHYS 200 General Physics I	4						Prereq: MATH 150; GE: B1
BIOL 200 Principles of Organismal and Population Biology	4						GE: B2
BIOL 212 Neurobiology and Cognitive Science	3						GE: B2, E
<b>Upper Division Requirements (41 units)</b>							
<b>Major Requirements (29 units)</b>							
COMP 350 Introduction to Software Engineering	3						Prereq: COMP 232 & 262
COMP 362 Operating Systems	4						Prereq: COMP 262
COMP 447 Societal Issues in Computing	3						Prereq: Senior standing; GE: B4, D, UDIGE
COMP 454 Automata, Languages and Computation	3						Prereq: MATH 300
COMP 420 Database Theory and Design (or) COMP 464 Computer Graphic Systems and Design I	3						Prereq: MATH 300 or 301 Prereq: COMP 350 & MATH 240
COMP 491 Capstone Preparation	1						Prerequisite: COMP 350, 362 & Senior standing
COMP 499 Capstone Project	3						Prereq: COMP 491; Repeatable by topic
MATH 300 Discrete Mathematics	3						Prereq: MATH 230
MATH 352 Probability and Statistics	3						Prereq: MATH 151

