



COMPUTER SCIENCE

as of 11/21/11

NAME: _____

UID# _____

Date Entered Major: _____

Second Major/Second Degree: _____

Is CMNS First major? Y N (CORE set by 1st major)

CORE REQUIREMENTS		
FUNDAMENTAL STUDIES		
FE: ENGL 101	3 cr	
FM: Satisfied by MATH 140	0 cr	
JE: ENGL 39	3 cr	
HUMANITIES AND THE ARTS		
HA:	3 cr	
HL:	3 cr	
HO/IE*:	3 cr	
SCIENCES		
Lab:	4 cr	
Lab/NonLab:	3 or 4 cr	
MATH AND FORMAL REASONING		
MS: Satisfied by MATH 140	0 cr	
SOCIAL SCIENCES AND HISTORY		
SH:	3 cr	
SB:	3 cr	
SB/IE*:	3 cr	
DIVERSITY		
D:	cr	
ADVANCED STUDIES		
Will be satisfied by upper level supporting area courses		
*Only 1 IE course may be used for CORE requirements		
ELECTIVES		
UPPER LEVEL CONCENTRATION		
Students must take at least 12 credits in the SAME DISCIPLINE outside of Computer Science. No course in or cross-listed with CMSC can be counted. An overall "C" average must be earned in these courses. Each course must be a minimum of 3 credits. Only 1 special topics or independent study course may be used. Students who are pursuing a minor can use those credits in this area.		
UL Concentration 1	cr	
UL Concentration 2	cr	
UL Concentration 3	cr	
UL Concentration 4	cr	
ELECTIVE CREDITS		
Students must take enough elective courses in any discipline(s) they choose to reach the total number of 120 credits required for graduation. Students who are pursuing a minor can use those credits in this area.		
Elective	cr	
Elective	cr	
Elective	cr	
Elective	cr	
Elective	cr	
Elective	cr	

MAJOR REQUIREMENTS		
PREPARATORY COURSES (unless exempt)		24 cr
MATH 140	4 cr	
MATH 141	4 cr	
CMSC 131	4 cr	
CMSC 132	4 cr	
CMSC 216	4 cr	
CMSC 250	4 cr	
REQUIRED COURSES 12-13 cr		
CMSC 330	3 cr	
CMSC 351	3 cr	
*STAT 4XX	3 cr	
*MATH/AMSC/STAT XXX	3/4 cr	
*Must have pre-requisite of MATH 141 or higher; cannot be cross-listed with CMSC		
UPPER LEVEL COMPUTER SCIENCE COURSES		
Select 5 courses from at least 3 of the areas of concentration		
Area 1: Systems		
CMSC 411	3 cr	
CMSC 412	4 cr	
CMSC 414	3 cr	
CMSC 417	3 cr	
Area 2: Information Processing		
CMSC 420	3 cr	
CMSC 421/424/426/427	3 cr	
Area 3: Software Eng./Programming Languages		
CMSC 430	3 cr	
CMSC 433	3 cr	
CMSC 434	3 cr	
CMSC 435	3 cr	
Area 4: Theory		
CMSC 451	3 cr	
CMSC 452 or 456	3 cr	
Area 5: Numerical Analysis		
CMSC 460/466	3 cr	
UPPER LEVEL COMPUTER SCIENCE ELECTIVES		
Select 6 credits from any of the CMSC 300- or 400- level courses.		
CMSC XXX	3 cr	
CMSC XXX	1/3 cr	
CMSC XXX	1 cr	
CMSC XXX	1 cr	