Computer Science - Systems, Bachelor of Science in Computer Science (B.S.C.S.) 346004BS Checklist

General Education Revision Requirements	S
Students must complete Writing, Mathematics, and	
Speaking requirements during their first year.	
ACADEMIC FOUNDATIONS	
Writing: (6 cr - 2 courses)	
and the same of	
Quantitative Reasoning: (3 cr)	
Speaking: (3 cr)	
DISCIPLINARY AREAS	
Arts/Humanities: (9 cr- 3 courses)	
Social Sciences: (6 cr -2 courses)	
Social Sciences. (6 ci -2 courses)	
Natural Sciences: (7 cr -2 courses)	
TAGS (one class each)	
Critical Thinking (CT)	
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Complex Systems (CS)	
Domestic Diversity (DD)	
Global Diversity (GD)	
College of Arts & Sciences Requirements	1
Foreign Language: (14 cr-4 courses)	
101 Beginning I (4 cr)	
102 Beginning II (4cr)	
201 Intermediate I (3-4 cr)	
202 Intermediate II (3-4 cr)	
7700:222 Survey Deaf Culture America (American	
7700:222 Survey Deaf Culture America (American Sign Language option only)	
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Computer Science – Systems Track Requireme	ents				
Preadmission major core requirements					
3450:208 Intro to Discrete Math (4 cr)					
3460:209 Computer Science I (4 cr)					
3460:210 Computer Science II (4 cr)					
3450:221 Analytic Geometry-Calculus I (4 cr)					
Computer Science – Systems core: 30 – 32 credits					
3460:316 Data Structures (3 cr)					
3460:307 Internet Systems Programming (3 cr)					
3460:421 Object Oriented Programming (3 cr)					
3460:435 Algorithms (3 cr)					
3460:480 Software Engineering (3 cr)					
3460:490 Senior Seminar in Computer Science (3 cr)					
4450:320 Computer Systems (3 cr)					
4450:325 Operating Systems Concepts (3 cr) – OR -					
3460:426 Operating Systems (3 cr)					
*3450:222 Analytic Geometry & Calculus II (4 cr)					
3470:401 Prob & Stats for Eng (2 cr) – OR -					
3470:461 Applied Statistics I (4 cr)					
Computer Science – Systems electives: 15 credits					
A minimum of 9 credits of 3460 upper level electives					
3460: 3XX-4XX					
3460: 3XX-4XX					
3460: 3XX-4XX					
3400. 3AA-4AA					
A minimum of 6 additional credits of approved 300					
and/or 400 electives in Computer Science (3460) or					
related to Computer Science.					
Select from the pre-approved list below.					
3460:4**, 3460:3**, 2440:204 (4), 3450:312,					
3450:410, 3450:415, 3450:427, 3450:428, 3450:430,					
3450:436, 3470:480, 3350:405, 3350:407, 4450:387,					
4450:410, 4450:415, 4450:420, 4450:422, 4450:427,					
4450:440, 4450:462, 4450:465, 4450:467,4800:420,					
7100:489 [ST: Game Design] Upper-level courses					
from other depts. approved as electives will be					
counted within this sub requirement.					
NOTES:					
3460:406 is not an acceptable Computer Science					
elective.					
2.00 GPA for all courses in major is required.					
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* Counts as 300/400 upper level College of Arts as					
Sciences requirement.					
3460:489 may be repeated under different topics.	Ì				
ONLY 2 CDC OF 2460,205 (INTERNICIUS) TO STATE					
ONLY 3 CRS. OF 3460:395 (INTERNSHIP) may count					
toward the computer science electives.					
120 Credit Minimum					