

COMPUTER SCIENCE FOUR YEAR PLAN

Fall 2019 & Later Requirements

FIRST YEAR				
FIRST SEMESTER			SECOND SEMESTER	
FYE 100G First-Year Experience (STEM)	4		CSC 142 Computer Science II	3
CSC 141 Computer Science I	3		MAT 131 Precalculus	3
MAT 151 Discrete Mathematics	3		200-level English Composition**	3
100-level English Composition**	3 - 4		Behavioral Social Science #2 of 2 (different prefix)	3
Behavioral Social Science #1 of 2	3		Humanities #1 of 2	3
Total Semester Hours	16 - 17		Total Semester Hours	15
SECOND YEAR				
FIRST SEMESTER			SECOND SEMESTER	
CSC 240 Computer Science III	3		CSC 241 Data Structures & Algorithms	3
MAT 161 Calculus I	4		MAT 121 Statistics or MAT 162 Calculus II	3 - 4
SPK 208 or 230 (Speaking Emphasis "SE" #1 of 3)	3		Art	3
Free elective	3		Diversity "J"	3
Humanities #2 of 2 (different prefix)	3		Writing Emphasis "W" #1 of 2	3
Total Semester Hours	16		Total Semester Hours	15 - 16
THIRD YEAR				
FIRST SEMESTER			SECOND SEMESTER	
CSC 231 Computer Systems	3		CSC 220 Foundations of Computer Science	3
CSC 301 Computer Security I (Ethics "E")	3		CSC 402 Software Engineering	3
Science #1 of 2 (must be BIO 110, ESS 101, PHY 130/170, or CHE 103 + CRL 103)	3 - 4		Science #1 of 2 (one not already taken from BIO 110, ESS 101, PHY 130/170, or CHE 103 + CRL 103)	3 - 4
MAT 121 Statistics or STA 200 Statistics II	3		CSC elective	3
Speaking Emphasis "SE" #2 of 3	3		Speaking Emphasis "SE" #3 of 3	3
Total Semester Hours	15 - 16		Total Semester Hours	15 - 16
FOURTH YEAR				
FIRST SEMESTER			SECOND SEMESTER	
CSC 345 Programming Languages	3		Complex Large-Scale or CSC elective	3
Complex Large-Scale or CSC elective	3		CSC elective	3
CSC elective	3		CSC elective	3
Interdisciplinary "I"	3		CSC elective	3
ENG 368 or 371 "W" #2 of 3	3		Writing Emphasis "W" #3 of 3	3
Total Semester Hours	15		Total Semester Hours	15
Plan = 122 - 125 credits				
120 credits minimum needed to graduate				
<u>Math sequences:</u>				
1) MAT Q30 -> MAT 131 & MAT 151 -> MAT 161 -> MAT 162 or MAT 121 -> MAT 121 or STA 200				
2) MAT 151 -> MAT 131 -> MAT 161 -> MAT 162 or MAT 121 -> MAT 121 or STA 200				
3) MAT 131 -> MAT 161 -> MAT 151 -> MAT 121 or MAT 162 -> MAT 121 or STA 200				
4) MAT 121 -> MAT 131 & MAT 151 -> MAT 161 -> MAT 121 or MAT 162 -> MAT 121 or STA 200				
5) MAT 161 -> MAT 162 -> MAT 151 -> MAT 121				
** WRT 120 or WRT 123 depending on results of WRT survey. Students who place out of WRT 120 or WRT 123 will have one additional free elective.				