

BS in Computer Science & Certificate in Computer Security 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 161 Calculus I	3
MAT 131 Precalculus	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 151 Discrete Mathematics	4		MAT 121 Statistics or MAT 162 Calculus II	3 - 4
SPK 208/230 (Speaking Emphasis "SE" #1 of 3)	3		CSC 220 Foundations of Computer Science	3
CSC 231 Computer Systems	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 335	3		Art	3
CSC 301 Computer Security I (Ethics "E")	3		CSC 402 Software Engineering	3
Science w/ lab #1 (BIO 100, BIO 110, CHE 103 + CRL 103 [4 cr.], ESS 101, PHY 130 [4 cr.], or PHY 170 [4 cr.]	3 - 4		Science w/ lab #2 (BIO 100, BIO 110, CHE 103 + CRL 103 [4 cr.], ESS 101, PHY 130 [4 cr.], or PHY 170 [4 cr.]	3 - 4
MAT 121 Statistics or STA 200 Statistics II	3		CSC 302	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	3
Free elective	3		CSC elective	3
CSC 472	3		CSC 468	3
Interdisciplinary "I"	3		CSC 471	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				
At least 120 credits and all major and general education requirements must be met in order to graduate. C- or better required in all CSC, MAT, ENG 368/371, SPK208/230, and Science w/ lab courses. Minimum GPAs: WCU = 2.0, CSC = 2.5, MAT = 2.0. Ethics requirement is met through CSC 301.				
<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 WRITE survey. Students who place into WRT 200 will have one additional free elective. Students who place directly into MAT 161 will also have one additional free elective.				