

Accelerated BS + MS in Computer Science FIVE 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		
Free elective	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 graduate 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 graduate elective	3*	
CSC graduate elective	3*			CSC graduate 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 BS credits & 16 MS credits						
*counts for both BS and MS						
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.						
Math sequences:						
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.						
FIFTH YEAR						
SUMMER		FALL		SPRING		
CSC graduate elective	3	CSC 520	3	CSC 540	3	
		CSC 530	3	CSC 560	3	
		CSC 600 seminar	3	CSC 600 seminar	3	
Total Semester Hours	3	Total Semester Hours	9	Total Semester Hours	9	
Plan = 33* credits						