

**COMPUTER SCIENCE FOUR YEAR PLAN**  
**Fall 2022 & 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	4
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	16
SECOND YEAR				
FIRST SEMESTER			SECOND SEMESTER	
CSC 240 Computer Science III	3		CSC 241 Data Structures & Algorithms	3
MAT 151 Discrete Mathematics	3		CSC 220 Foundations of Computer Science	3
CSC 231 Computer Systems	3		MAT 121 Statistics	3
SPK 208/230 (Speaking Emphasis "SE" #1 of 3)	3		Diversity "J"	3
Humanities #2 of 2 (different prefix)	3		Writing Emphasis "W" #1 of 2	3
Total Semester Hours	15		Total Semester Hours	15 - 16
THIRD YEAR				
FIRST SEMESTER			SECOND SEMESTER	
CSC 345 Programming Languages	3		CSC 402 Software Engineering	3
CSC 301 Computer Security I (Ethics "E")	3		CSC elective	3
Science w/ lab #1 (BIO 110 [4 c.r.], CHE 103 + CRL 103 [4 cr.], ESS 101 [3 c.r.], PHY 130 [4 cr.], or PHY 170 [4 cr.]	3 - 4		Science w/ lab #2 (BIO 110 [4 c.r.], CHE 103 + CRL 103 [4 cr.], ESS 101 [3 c.r.], PHY 130 [4 cr.], or PHY 170 [4 cr.] (different prefix)	3 - 4
MAT 162 Calculus II or STA 200 Statistics II	3 - 4		Art	3
Speaking Emphasis "SE" #2 of 3	3		Speaking Emphasis "SE" #3 of 3	3
Total Semester Hours	15 - 17		Total Semester Hours	15 - 16
FOURTH YEAR				
FIRST SEMESTER			SECOND SEMESTER	
CSC Complex Large-Scale	3		CSC elective	3
CSC elective	3		CSC elective	3
CSC elective	3		CSC elective	3
ENG 368 or 371 ("W" #2 of 3)	3		Writing Emphasis "W" #3 of 3	3
Interdisciplinary "I"	3		Free elective	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. Major courses highlighted in GOLD. Minimum GPAs: WCU = 2.0, CSC = 2.5, MAT = 2.0. Ethics requirement is met through CSC 301.				
Alternative 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				
^ FYE 100G strongly recommended; any FYE satisfies major requirement				
# Students with sufficient MPE (math placement exam) score are strongly recommended to take MAT161 (Calculus 1) instead. Students who place directly into MAT 161 will also have one additional free elective.				
** WRT 120 or WRT 123 depending on results of WRITE survey. Students who place into WRT 200 will have one additional free elective.				

Revised 9/30/21