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 151 Discrete Mathematics	3
MAT 131 Precalculus#	3	200-level English Composition**	3
100-level English Composition**	3 - 4	Behavioral Social Science #1 of 2	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	Humanities #1 of 2	3
Total Semester Hours	**16 - 18**	**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	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
Art	3	Writing Emphasis "W" #1 of 2	3
Total Semester Hours	**16**	**Total Semester Hours**	**15**

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
Behavioral Social Science #2 of 2 (different prefix)	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	Humanities #2 of 2 (different prefix)	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 151 --> MAT 161 --> 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

^ FYE 100G strongly recommended; any FYE satisfies major requirement

Students with sufficent 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 1/13/22