2022-2023 Computer Science BS Degree Plan UMID: Student name: Concentration: **None** Advisor name: The Purpose of General Education is to Gain: MONTEVALLO Knowledge of Human Cultures and the Physical and Natural World Personal and Social Responsibility Intellectual and Practical Skills Integrative and Applied Learning **Key Courses For General Education (48 hours)** Major Course Requirements (36 hours) 1. Written Composition (6) CS 161 (Introduction to Computer Science) Choose: ENG 101 or 103. CS 170 (Introduction to Programming with Python) CS 270 (Object-Oriented Programming) Choose: ENG 102 or 104. CS 280 (Algorithm Dev and Data Structure) 2. Humanities & Fine Arts (18) CS 305 (Operating System) Choose one: ENG 231/233 or 232/234.* CS 320 (Database Management Systems) *Students must complete a six-hour sequence in either History or Literature. Students may complete both sequences. CS 400 (Program Languages) Choose: COMS 101 or 102. CS 405 (Computer Networks) Choose one Fine Arts: ART 100, 120, 220; CS 415 (Software Engineering) MC 100, 325; MUS 121 or 122, 125, 211, 255, CS 485 (Senior Seminar) 342; THEA 120 or 122. Choose one Humanities: Choose two of the following (at least one of which ENG 231 or 233, 232 or 234; FRN 101, 102, 150, must be a CS course): 201, 202, 250; SPN 101 or 103, 102 or 104, 150, CS elective (200-level or above) 201, 202, 250; GER 101, 102, 201, 202; CS elective (200-level or above) PHIL 110 or 111, 180, 220 or 221, 230, 280, 290. ART 250 (Introduction to New Media) Choose two of the following (not used above): INFM 241 (Intro. to Informatics & Computing) ART 100, 120, 220; ENG 231 or 233, 232 or 234; MATH 261 (Intro. to Prog. & Comp. Alg. Sys.) FRN 101, 102, 150, 201, 202, 250; SPN 101 or 103, 3 102 or 104, 150, 201, 202, 250; GER 101, 102, 201, 202; MC 100, 325; MUS 121 or 122, 125, 211, 255, 342; Minor Course Requirements (12-24 hours) PHIL 110/111, 180, 220 or 221, 230, 280, 290; CS majors must complete either: THEA 120 or 122. 1. A minor in a selected field or 3. Natural Sciences & Mathematics (12) 2. A second major Choose one lab science from two different disciplines: BIO 100, 105-107; CHEM 100-102, 121, 122; Title: _____ Hrs. Req. ____ ES 100; GEOL 110, 115; PHYS 100 or higher. Choose: MATH 170. 4. History, Social & Behavioral Sciences (12) Choose one: HIST 101, 102, 103 or 104.* *Students must complete a six-hour sequence in either History or Literature. Students may complete both sequences. General Electives (remaining for required hours) Choose three of the following (not used above): EC 231, 232; FCS 291, 402; GEOG 231; HIST 101 or 103, 102 or 104; POS 200, 250; PSYC 201/202; SOC 101/102; SWK 203, 260, 322. 5. Personal Development (3) Choose: CS 161.

**Indicates requirement is satisfied in major course requirements.

Additional	Requir	ements	for Deg	ree (7	hours)
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Bachelor of Science Requirements (7)

Choose MATH 171

Choose 2 additional hours in mathematics and/or science (not used toward requirement #3 above).

30 hrs 300/400 at UM	6. 6-hr sequence in history or literature

GENERAL GRADUATION REQUIREMENTS

- 1. 50% of hrs in major area at UM
- 3. 30 of last 40 hours at UM
- 4. 64 hr limit from 2-year school
- 5. 45 hr limit of non-traditional credit
- 7. Capstone experience within major
- 8. 2.0 or higher UM GPA and in all major and minor areas

Total Hours Required:	120
Total Hours Completed to Date:	
Hours Remaining for Completion:	
Hours Currently Registered:	
Hours Remaining:	