

2026-2027 Computer Science BA Degree Plan



UNIVERSITY of
MONTEVALLO

Student name: _____ UMID: _____ Date: _____

Advisor name: _____ Concentration: **None**

The Purpose of General Education is to Gain:

- Knowledge of Human Cultures and the Physical and Natural World
- Intellectual and Practical Skills
- Personal and Social Responsibility
- Integrative and Applied Learning

Key Courses For General Education (50 hours)

- First Year Experience (3)**
Choose: UM 101 or HNRS 101 _____ 3 _____
1. **Written Composition (6)**
Choose: ENG 101 or 103. _____ 3 _____
Choose: ENG 102 or 104. _____ 3 _____
2. **Humanities & Fine Arts (18)**
Choose one: ENG 231, 233, 232 or 234*. _____ 3 _____
*Students must complete a six-hour sequence in either History or Literature. Students may complete both sequences.
Choose: COMS 101 or 102. _____ 3 _____
Choose one Fine Arts: ART 100, 120, 220; _____ 3 _____
MC 100, 325; MUS 121 or 122, 125, 211, 240, 255, 342; THEA 120 or 122, 123.
Choose one Humanities: AAS 200; ASL 101, 102, 201, 202; ENG 231 or 233, 232 or 234; FRN 101, 102, 150, 201, 202, 250; SPN 101 or 103, 102 or 104, 150, 201, 202, 250; GER 101, 102, 201, 202; PHIL 110 or 111, 180, 220 or 221, 230, 280, 290; REL 110. _____ 3 _____
Choose two of the following (not used above):
AAS 200; ASL 101, 102, 201, 202; ART 100, 120, 220; _____ 3 _____
ENG 231 or 233, 232 or 234; FRN 101, 102, 150, 201, 202, 250; SPN 101 or 103; 102 or 104, 150, 201, 202, 250; GER 101, 102, 201, 202; MC 100, 325; MUS 121 or 122, 125, 211, 240, 255, 342; PHIL 110 or 111, 180, 220 or 221, 230, 280, 290; REL 110; THEA 120 or 122, 123. _____ 3 _____
3. **Natural Sciences & Mathematics (11)**
Choose one lab science from two different disciplines:
BIO 100, 105-107; CHEM 100-102, 121, 122; _____ 4 _____
ESCI 100; GEOL 110, 115; PHYS 100 or higher. _____ 4 _____
Choose: MATH 147 or 154 (or MATH 144 or higher). _____ 3 _____
4. **History, Social & Behavioral Sciences (12)**
Choose one: HIST 101, 102, 103 or 104.* _____ 3 _____
*Students must complete a six-hour sequence in either History or Literature. Students may complete both sequences.
Choose three of the following not used above:
EC 231, 232; FCS 291, 302; GEOG 231; _____ 3 _____
HIST 101 or 103, 102 or 104; _____ 3 _____
POS 200, 250; PSYC 201/202; SOC 101/102; SWK 203, 260, 322. _____ 3 _____
5. **Personal Development (3)**
Choose: CS 161. _____ 3 **

**Indicates requirement is satisfied in major course requirements.

Bachelor of Arts Requirements (up to 12 hours)

Students must complete either:

- the second-year course sequence in ASL, FRN, GER, or SPN.
- OR the first-year course sequence in two different languages.

Other options to complete the BA requirements are found in the Bulletin.

_____ 3 _____ 3 _____
_____ 3 _____ 3 _____

Updated 6/11/2026

Major Course Requirements (36-39 hours)

- CS 161 (Introduction to Computer Science) _____ 3 _____
CS 170 (Introduction to Programming with Python) _____ 3 _____
CS 270 (Object-Oriented Programming) _____ 3 _____
CS 274 (Data Structures) _____ 3 _____
CS 280 (Algorithm Development) _____ 3 _____
CS 305 (Operating Systems) _____ 3 _____
CS 320 (Database Management Systems) _____ 3 _____
CS 400 (Programming Languages) _____ 3 _____
CS 405 (Computer Networks) _____ 3 _____
CS 415 (Software Engineering) _____ 3 _____
CS 485 (Senior Seminar in Computer Science) _____ 3 _____
- Choose one of the following:
CS 325 (Artificial Intel) & CS 326 (Machine Learning) _____ 6 _____
CS elect. (200-level or above except CS 325 & CS 326) _____ 3 _____
ART 250 (Introduction to New Media) _____ 3 _____
DATA 241 (Intro. to Informatics & Computing) _____ 3 _____
MATH 261 (Intro. to Prog. & Comp. Alg. Sys.) _____ 3 _____

Minor Course Requirements (12-24 hours)

CS majors must complete either:

1. A minor in a selected field or
2. A second major

Title: _____ Hrs. Req. _____

General Electives (remaining for required hours)

GENERAL GRADUATION REQUIREMENTS

1. 50% of crs in major area at UM
2. 30 hrs 300/400 at UM
3. 30 of last 40 hours at UM
4. 60 hr limit from 2-year school
5. 45 hr limit of non-traditional credit
6. 6-hr sequence in history or literature
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: _____

For planning only. Refer to Degree Works for official degree evaluation.