

# 2026-2027 Computer Science BS Degree Plan



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 (51 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 (12)**  
 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 170. 4 \_\_\_\_\_
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.

### Additional Requirements for Degree (7 hours)

#### Bachelor of Science Requirements (7)

Choose MATH 171 4 \_\_\_\_\_

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

\_\_\_\_\_ 3 \_\_\_\_\_

### 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 | 5. 45 hr limit of non-traditional credit                 |
| 2. 30 hrs 300/400 at UM           | 6. 6-hr sequence in history or literature                |
| 3. 30 of last 40 hours at UM      | 7. Capstone experience within major                      |
| 4. 60 hr limit from 2-year school | 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: \_\_\_\_\_