

2020-2021 Computer Informatics 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 (50 hours)

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, 218, 219; 3 _____
 MC 100, 325; MUS 121 or 122, 125, 211, 255, 342; 3 _____
 THEA 120 or 122.
Choose: PHIL 180. 3 _____
Choose: PHIL 220 or 221. 3 _____
Choose one of the following (not used above):
 ART 100, 218, 219; ENG 231 or 233, 232 or 234; 3 _____
 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, 255, 342;
 PHIL 110 or 111, 230, 280, 290; THEA 120 or 122.
3. **Natural Sciences & Mathematics (11)**
Choose one lab science from two different disciplines:
 BIO 100, 105-107; CHEM 100-102, 121, 122; 4 _____
 ES 100; GEOL 110, 115; PHYS 100 or higher. 4 _____
Choose: MATH 147 3 _____
4. **History, Social & Behavioral Sciences (12)**
Choose one History: HIST 101, 103, 102 or 104.* 3 _____
*Students must complete a six-hour sequence in either History or Literature. Students may complete both sequences.
Choose one of the following not used above: 3 _____
 EC 231, 232; FCS 291, 402; GEOG 231;
 HIST 101 or 103; 102 or 104; POS 200, 250;
 SWK 203, 260, 322.
Choose: SOC 101 or 102. 3 _____
Choose: PSYC 201 or 202. 3 _____
5. **Personal Development (3)**
Choose: MIS 161. 3 _____

Informatics Degree Requirements (45 hours)

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|--|---------|
| INFM 171 (Social Informatics) | 3 _____ |
| INFM 241 (Intro to Informatics and Computing) | 3 _____ |
| INFM 242 (Logical Foundations for Informatics) | 3 _____ |
| INFM 245 (Computer Programming I) | 3 _____ |
| INFM 246 (Computer Programming II) | 3 _____ |
| INFM 347 (Human Computer Interaction) | 3 _____ |
| INFM 348 (Information Representation) | 3 _____ |
| INFM 349 (Informatics Project Management) | 3 _____ |
| INFM 350 (Database and Applications Security) | 3 _____ |
| INFM 370 (Data Structures and Algorithms I) | 3 _____ |
| INFM 371 (Data Structures and Algorithms II) | 3 _____ |
| INFM 450 (Data Analysis and Mining I) | 3 _____ |
| INFM 451 (Data Analysis and Mining II) | 3 _____ |
| INFM 455 (Information Infrastructure I) | 3 _____ |
| INFM 456 (Information Infrastructure II) | 3 _____ |

General Electives (18 hours)

Minor Course Requirements (Optional)

Title: _____ Hrs. Req. _____

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

Additional Requirements for Degree (7 hours)

Choose and complete only one requirement below:

Bachelor of Science Requirements

Choose additional 7 hours in mathematics and/or science not used toward requirement #3 above.

- Choose: MATH 157 3 _____
- _____ 4 _____

GENERAL GRADUATION REQUIREMENTS

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|-----------------------------------|--|
| 1. 50% of hrs 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. 64 hr limit from 2-year school | 8. 2.0 or higher UM GPA and in all major and minor areas |