2019-2020 Computer Informatics BS Degree Plan

Student name: _____ UMID: _____ Date: _____

Advisor name: _____ Concentration: **None**

UNIVERSITY *of* MONTEVALLO

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 325; MUS 121 or 122, 125, 211, 255, 342;
   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 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.   3____
   Choose PSYC 201.   3____
5. **Personal Development (3)**
   Choose MIS 161.   3____

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
1. 50% of hrs in major area at UM
2. 30 hrs 300/400 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
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

Informatics Degree Requirements (45 hours)
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____

Support Courses (6 hours) REMOVE
PSYC 300 (Descriptive Statistics)   3____
PSYC 430 (Experimental Psych and Inferential Stats) 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: _____