Student Name: **Date:**

Degree Worksheet
BS IN COMPUTER SCIENCE

This worksheet is designed to help you plan and track your progress toward your degree. It lists all graduation requirements in the recommended sequence. For full course descriptions, please refer to the current undergraduate *Catalog.*

SEQUENCE *Courses are listed in the order in which students should take them.* *Changes in courses and order may affect other elements of the degree plan.*	COURSE TAKEN OR TRANSFERRED	SEMESTER TAKEN OR CREDIT REMAINING

Recommendations will differ for specific majors. Refer to catalog for alternatives to recommended general education requirements (GenEds). Courses used for GenEds may not be used in the major or minor.

GENERAL EDUCATION COURSES and RELATED REQUIREMENTS (41 credits)		
PACE 111T (3) *Or other PACE 111 course chosen from 111B, 111C, 111M, 111P, 111S, or 111T*		
WRTG 111 (3) *Or other 3-credit WRTG course except 288, 388, 486A, 486B. COMM 390 and 492, ENGL 102 and JOUR 201 apply*		
WRTG 112 (3) *Required GenEd course. Must be completed with a grade of C- or better*		
LIBS 150 or CAPL 398A (0-1) *Or other GenEd elective. This may be fulfilled by the 4th credit of MATH 140 or MATH 141.*		
MATH 140 (4) *Related requirement for major and GenEd course*		
CMIS 102 (3) *Prerequisite for major courses and technology GenEd course*		
HIST 125 (3) *Or other arts/humanities GenEd course*		
HUMN 100 (3) *Or other arts/humanities GenEd course*		
GEOL 100 (3) *Or other 3-credit biological/physical science GenEd course*		
BIOL 101/102 or NSCI 100/101 (4) *Or other biological/physical science GenEd course with related lab*		
ECON 103 (3) *Or other behavioral/social science GenEd course*		
BEHS 103 (3) *Or other behavioral/social science GenEd course*		
SPCH 100 (3) *Or other communication, writing, or speech GenEd course*		
WRTG 393 (3) *Or other upper-level advanced writing GenEd course*		

CHECKLIST FOR FULFILLMENT OF DEGREE REQUIREMENTS See catalog for overview of all requirements.

- ❑ 30 credits at UMGC, including at least half of the major and minor and 15 upper level credits.
- ❑ 45 upper-level credits, including half the credit for the major and for the minor.
- ❑ All required courses and minimum number of credits for major and minor.
- ❑ Prerequisites for major and minor courses, if needed.

- ❑ All General Education Requirements.
- ❑ Grade of C- or better in WRTG 112
- ❑ Grade of C or better in all courses for the major and minor.
- ❑ Overall GPA of at least 2.0.
- ❑ At least half the credit for the major earned through graded coursework.
- ❑ Total 120 credits.

NOTES:

SEQUENCE *38 total credits for major, of which at least half must be upper-level and at least half taken through UMGC.*	COURSE TAKEN	SEMESTER TAKEN OR CREDIT REMAINING
MAJOR COURSES (33 credits)		
◆ CMIS 141 Introductory Programming (3)		
◆ CMIS 242 Intermediate Programming (3)		
◆ CMIS 310 Computer Systems and Architecture (3)		
◆ SDEV 300 Building Secure Web Applications (3)		
◆ CMSC 350 Data Structures and Analysis (3)		
◆ CMSC 330 Advanced Programming Languages (3)		
◆ CMSC 335 Object-Oriented and Concurrent Programming (3)		
◆ CMSC 430 Compiler Theory (3)		
◆ CMSC 451 Design and Analysis of Computer Algorithms (3)		
◆ CMSC 412 Operating Systems (3)		
◆ CMSC 405 Computer Graphics (3)		
CAPSTONE COURSE FOR MAJOR (3 credits) *To be taken in last 9 credits*		
◆ CMSC 495 Current Trends and Projects in Computer Science (3)		
ADDITIONAL RELATED REQUIREMENTS (7 credits)		
MATH 141 (4) *Related requirement for major*		
CMSC 150 (3) *Related requirement for major*		
MINOR OR ELECTIVES (15 credits, at least 9 credits upper level for minor) **Complete in last 60 credits along with major courses.**		
See requirements of individual minor. Recommended minor: cybersecurity or mathematics		
ADDITIONAL ELECTIVES (20 credits)		
Choose any courses to meet 120 credits for degree. Note minimum requirements for upper-level coursework. Complete in last 60 credits along with major and minor courses.		
TOTAL: 120 CREDITS		

◆ Required courses for major