DEGREE PLANNING GUIDE

B.S. in Computer Science

Beginning with MATH 113

First year (<28 credits)	**Sophomore** (28-59 credits)	**Junior** (60-91 credits)	**Senior** (92+ credits)
Semester 1 CISC 131 (*or* CISC 130) MATH 113	Semester 1 CISC 231 Math 128	Semester 1 CISC 350 DASC 240 (*or* MATH 114)	Semester 1 CISC Elective CISC Elective
Semester 2 CISC 230 DASC 120	Semester 2 CISC 340 CISC Elective	Semester 2 CISC 380 CISC Elective	Semester 2 CISC 480

Beginning with MATH 108

First year (<28 credits)	**Sophomore** (28-59 credits)	**Junior** (60-91 credits)	**Senior** (92+ credits)
Semester 1 CISC 131 (*or* CISC 130) MATH 108	Semester 1 CISC 231 MATH 128	Semester 1 CISC 350 DASC 240 (*or* MATH 114)	Semester 1 CISC Elective CISC Elective
Semester 2 CISC 230 MATH 109	Semester 2 CISC 340 DASC 120	Semester 2 CISC 380 CISC Elective	Semester 2 CISC 480 CISC Elective

Requirements for Degree

Program Core Courses

CISC 131 (*or* 130) Programming & Problem Solving*
CISC 230 Object-Oriented Design & Programming*
CISC 231 Data Structures & Object-Oriented Design*
CISC 340 Computer Architecture*
CISC 350 Information Security*
CISC 380 Algorithms*
CISC 480 Senior Capstone*

Special Notes

A C- or better is required in program core courses identified by *
See the catalog for a full list of CISC electives

Program Concentration Courses

Sixteen credits of electives from the following list:
CISC 259 Creative Coding
CISC 310 Operating Systems
CISC 342 Computers in Experimental Sciences
CISC 370 Computer Networking
CISC 375 Web Development
CISC 410 Advanced Information Security
CISC 420 Computer Graphics
CISC 440 Artificial Intelligence
CISC 450 Database Design I
CISC 451 Database Design II
DASC 360 Multivariate Statistics and Data Analysis
DASC 400 Data Mining and Machine Learning

Allied Requirement Courses

DASC 120 Introduction to Computational Statistics*
MATH 113 Calculus I*
  or MATH 108 *and* 109 Calculus with Review*
DASC 240 Applied Regression Analysis
  or MATH 114 Calculus II
MATH 128 Introduction to Discrete Mathematics*