Computing and Information Systems

The B.A. or B.S. degree in Computing and Information Systems requires completion of 42 hours in computer science, 9 hours of mathematics, and 12 hours allied courses in graphics arts or business. The following are required computer science, mathematics and allied courses for the B.A or B.S. degree in Computing and Information Systems:

Computer Science	Course Credit
CSC 115 Foundations of Computer Science	3
CSC 116 Introduction to Programming and Problem Solving	4
CSC 216 Data Structures	4
CSC 220 C/C++ Language Programming	3
CSC 309 Discrete Structures	3
CSC 314 Computer Organization	3
CSC 320 Systems Analysis and Design	3
CSC 330 Social & Ethical Issues in Computing	3
CSC 415 Data Base Management Systems	3
CSC 416 Software Engineering	3
CSC 422 Operating Systems	3
CSC 485 Senior Seminar	1
Total	36

Mathematics	Course Credit
3 hours of Mathematics from MAT 101, 102, 105, 121, 206 or 213	3
MAT 205 Applied Calculus	3
MAT 207 Elementary Statistics	3
Total	9

Allied Concentration	**Course Credit**

Choose either a 12 hour option in Art/Graphic Design or Business consisting of:

Art (12 Hours)

ART 101 – Basic Design I ……3

ART 102 – Basic Design II……3

ART 205 – Introduction to Graphic Design……3

ART 215 – Graphic Design I……3

OR

Business Administration (12 Hours)

MGT 371 - Principles of Management & Organizational Behavior …3

ECO 232 - Economic Principles II……3

ACC 201 - Elementary Accounting……..3

MIS 327 – Introduction to Management Information Systems ……..3

Total 12

Electives are as follows:

Three hours from:

CSC 310 File and Systems Software
CSC 319 Computer-Human Interaction
CSC 402 Advanced Data Structures
CSC 404 Programming Language Structures
CSC 422 Computer Networks
CSC 425 Advanced Database Systems
CSC 431 or CSC 432 or CSC 433 Selected Topics
CSC 440 Introduction to Artificial Intelligence
CSC 450 Computer Graphics
CSC 460 Automata Theory and Formal Languages

Three hours from--CSC 231, CSC 232, CSC 233 Selected Language Programming