General Education Courses

I. Communication
   □ SEGL 101 and SEGL 102
   □ SSPH 201
   □ 9

II. Mathematics
   □ SMTH 141
   □ SMTH 142
   □ 8

III. Information Technology
   □ SCSC 150
   □ 3

IV. Natural Science
   □ SBIO 101/L, 102/L; or SCHM 111/L, 112/L; or SPHS 211/L, 212/L
   □ 8

V. Arts and Humanities
   One fine arts course:
   □ SAAS 204; SATH 101, 105, 106; SMUS 110; STHE 161, 170
   □ (no more than 3 credit hours from a specific discipline)
   □ One course from the following:
   □ SAAS 204; SAMS 101, 102; SATH 101, 105, 106; SEGL 250, 252, 275, 279, 280, 283, 289, 290, 291; SFLM 240; SMUS 110; SPHL 102, 211; SREL 103; STHE 161, 170
   □ 6

VI. Foreign Language and Culture
   Foreign Language minimum 102 level
   □ SCHL 102; SFRN 102; SGRM 102; SSPN 102
   □ Placement in a 201 or higher level language course (Students placing into 201 or higher level of a language have satisfied this requirement but will have additional hours in electives, if hours are required in the major).
   □ 3

VII. History
   □ SHST 101, 102, 105, or 106
   □ 3

VIII. Social and Behavioral Sciences
   Two courses from the following with two disciplines represented:
   □ SAAS 201; SANT 102; SECO 221, 222; SGEG 101, 103; SGIS 101, 200; SPSY 101; SSOC 101; SWST 101
   □ 6

Core Major Requirements

□ SCSC 200: Computer Science I 3
□ SCSC 210: Computer Organization 3
□ SCSC 234: Visual BASIC Programming or SCSC 238: C++ Programming 3
□ SCSC 300: Computer Science II 3
□ SCSC 310: Introduction to Computer Architecture 3
□ SCSC 321: Computer Science III 3
□ SCSC 421: Design & Analysis of Algorithms 3
□ SCSC 511: Operating Systems 3
□ SCSC 530: Programming Language Structures 3
□ SCSC 540: Software Engineering 3
□ SCSC 599: Senior Seminar 3
□ 33

One of the following three areas of focus

□ Scientific Computing:
   Three courses from the following:
   □ SCSC 314: Industrial Robotics
   □ SCSC 370: Fundamentals of Bioinformatics
   □ SCSC 525: Knowledge Discovery & Data Mining
   □ SCSC 580: Introduction to Artificial Intelligence
   □ SCSC 585: Introduction to Computer Vision
   □ SCSC 399: Independent Study or
   □ SCSC 499: Directed Research
   □ 9

□ Enterprise Solutions:
   Three courses from the following:
   □ SCSC 412: Computer Networks I
   □ SCSC 450: E-Business Web Application Development
   □ SCSC 455: Computer Security
   □ SCSC 520: Database System Design
   □ SCSC 525: Knowledge Discovery & Data Mining
   □ (Continued on next page)

1 A minimum grade of C is required in each course indicated.
2 Excluding SCSC 315, 325 and 441.
General:
Any three SCSC 300-level or above for majors

Electives

Cognate

Supporting Courses

Supporting Courses

Minor in Computer Science

Mathematics

Mathematics 121 with a B or higher, or Math 126

Mathematics 174

Computer Studies

Computer Science 200

Minor Requirements

Computer Science 300

Computer Science 321

SCSC 234 or SCSC 238

Computer Science courses 300-level or above

Total Hours Required

6-7

120

13-14

12

1

7

Minor in Computer Science

Student Worksheet

Mathematics

Minor Requirements

Total Hours Required

27

1 A minimum grade of C is required.