B.S.C.S. in Computer Science

Overview
Degree Requirements

Description

The goal of the B.S.C.S. program is to give each student a thorough professional education in contemporary computer science while allowing sufficient flexibility for the student to pursue individual interests in related technical fields.

Minimum Total Credit Hours: 127
Goals/Mission Statement

The objectives of the B.S.C.S. program include

1. Students completing the B.S.C.S. degree will be capable of implementing a computerized solution to a practical problem.
2. All students will gain experience working in development teams.
3. Students will exhibit professional ethics and abide by the School of Engineering Honor Code.
4. All program graduates will be proficient in relating technical concepts through written and oral communications.
5. Students graduating from the program will have a good general background in computer science, will be proficient in at least one high- level programming language, and will be familiar with a range of computing languages and paradigms.

The goal and objectives of the B.S.C.S. program are consistent with the mission statement of The University of Mississippi.

General Education Requirements

Candidates for the B.S.C.S. degree must successfully complete the following general education requirements: 6 hours from Engl 101 and either Liba 102 or Engl 102; 3 hours of literature chosen from Engl 221-226; 8 hours of laboratory science chosen from Chem 105, 106, 115, 116 or Phys 211, 212, 221, 222 or Bisc 160, 161, 162, 163; 6 hours from Math 261 and 262; 3 hours from Spch 105; 3 hours of social science chosen from anthropology, economics, political science, psychology, and sociology; 3 hours of humanities chosen from classics, English, history, modern languages (200 level and above), philosophy, religion, and Southern studies; 3 hours of fine arts chosen from courses in the history, appreciation, and criticism of art, dance, music, and theatre arts (Courses emphasizing the enhancement of skills and performance are not acceptable.); 9 additional hours from social science, humanities, and fine arts courses as constrained above.

Course Requirements

Candidates for the B.S.C.S. degree must successfully complete the following requirements in addition to the general education requirements: 12 hours from Math 301, 302, 375, and either 263 or 319; 6 additional hours of science electives chosen from the laboratory science courses listed above or from Astr 103, 104, Chem 221, 222, Geol 103, 221, 305, 309, and biology, chemistry, or physics courses at the 300 level or above; 4 hours from El E 335, 336; 31 hours from CSci 111, 112, 211, 223, 300, 311, 387, 423, 433, 450, and 487; 15 hours of computer science electives chosen from 300 level and above or other approved electives; 15 hours of approved technical electives.

Other Academic Requirements

For specifically required computer science courses, no grade less than C can be applied to the degree requirements.