DEPARTMENT OF COMPUTER SCIENCE

Faculty
Coordinator: Dr. Yenumula B Reddy
Professor: Dr. Yenumula Reddy
Associate Professor: Dr. Jaruwan Mesit
Assistant Professor: Dr. Prasanthi Sreekumari
Visiting Professor: Dr. Babu Kaji Baniya

The Department of Computer Science seeks to meet the computer science needs of the State of Louisiana and the nation by producing graduates who possess the skills and knowledge necessary to be productive computer scientists. The department provides the basic education necessary for careers in computer science and related fields.

The Computer Science Department seeks to prepare students for graduate study in computer science and to provide the fundamental knowledge and skills in computer science that will allow students to pursue careers in these disciplines and closely related disciplines.

The department offers a Cooperative Education Program which involves alternate periods of work and university study. Students participating in the program receive credit for the off-campus work experiences by registering at the university and receive pay for their work. Participation in the Cooperative Education Program is on a voluntary basis. The program is available to all computer science students who have completed two years of academic study with a cumulative grade point average of 3.0 or higher.

The department offers the Bachelor of Science (BS) degree in Computer Science and the program is accredited by the Computing Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET). Faculty members in the department strive to offer, through teaching and research, educational experiences that nurture students intellectually and ethically, and that assist them in reaching their academic goals.

The baccalaureate degree program in computer science requires completion of 49 hours of course work in computer science and 33 hours of supporting courses in the sciences and mathematics. Additionally, students seeking a degree in either discipline must complete the requirements of the general education program. Only grades of "C" or higher are acceptable in major and supporting courses.

Computer Science Curriculum Plan FY 2017-19

Freshman Year

Computer Science 110 & 120	6
Biology 113, 115	4
English 101 & 102	6
First Year Experience 101 & 102	2
History 101	3
History 104	3
Mathematics 153* & 154	6
Total Hours	30

Sophomore Year

Computer Science 201	3
Computer Science 210	3

Computer Science 236		3
Computer Science 325		3
Mathematics 201		3
Mathematics 273		3
English 200		3
English 207		3
Physics 153, 153L		4
Theatre 212		3
General Education Testing 300		0
	Total Hours	31

Junior Year

Computer Science 310		3
Computer Science 311		3
Computer Science 320		3
Computer Science 336		3
Computer Science 345		3
Mathematics 274		3
Mathematics 309		3
Mathematics 421		3
Physics 154, 154L		4
Social Science 101		3
	Total Hours	31

Senior Year

Computer Science 400		1
Computer Science 406		3
Computer Science 419		3
Computer Science 450		3
Computer Science Electives (400 Level)		6
Art 105		3
Economics 201		3
Foreign Language		6
	Total Hours	28
	TOTAL	**120**

*Electives must be approved by advisor and department head. Based on mathematical knowledge, students may be required to take MATH 147/148 prior to taking MATH 153.

Electives

Computer Science 411		3
Computer Science 415		3
Computer Science 424		3
Computer Science 426		3
Computer Science 428		3

Computer Science 435	3
Computer Science 451	3
Computer Science 456	3
Computer Science 462	3

CO-OP courses

Computer Science 371	3
Computer Science 372	3
Computer Science 471	3
Computer Science 472	3