

Curriculum

The Department offers a Bachelor of Science (B. S.) degree in Computer Science.

Freshman Year		SCH	Sophomore Year		SCH
BIOL 113 Principles of Biology - I		3	GET 300 Rising Jr Exam		0
BIOL 115 Principles of Biology - I Lab		1	MATH 273 Probability & Statistics I		3
FYE 001 First Year Experience I		1	ENG 200 World Lit. I		3
FYE 002 First Year Experience II		1	ENG 207 Intro. to Technical Writing		3
ENG 101 Freshman Comp		3	PHYS 153 General Physics I		3
ENG 102 Freshman Comp		3	PHYS 153L General Physics Lab		1
HIST 101 History of Western Civ. I		3	ST 212 Fund of Pub Speaking		3
HIST 104 Modern World History		3	PA 201 Ethics for Public Service		3
MATH 153 Calculus I **		3	MATH 201 Calculus III		3
MATH 154 Calculus II		3	CS 210 Discrete Structures		3
CS 110 Computer Science I		3	CS 225 Comp Org & Assembly Lang		3
CS 120 Computer Science II		3	CS 235 Data Structures		3
Total		30	Total		31
Junior Year		SCH	Senior Year		SCH
PHYS 154 General Physics II		3	ECON 201 Non-Major Elective		3
PHYS 154L General Physics Lab		1	ART 210 Non-Major Elective		3
SOC 101 Intro. to Social Science		3	CS 405 Software Development		3
MATH 309 Intro. to Linear Algebra		3	CS 414 Computer Architecture		3
MATH 421 Numerical Methods I		3	CS 419 Computer Networks		3
MATH 274 Prob & Statistics II		3	CS 400 Computer Science Seminar		1
CS 310 Software Engineering		3	CS 4xx Major Elective		3
CS 320 Database Mgt Systems		3	CS 4xx Major Elective		3
CS 336 Prog. Language Concepts		3	Foreign Language		3
CS 345 Operating Systems		3	Foreign Language		3
CS 360 Des & Anal of Algorithms		3			
Total		31	Total		28
Total hours for Major:		50	Total hours for degree:		120

Notes:

**Students deficient in Math are required to take MATH 147/148 before taking MATH 153.

Computer Science Electives:

Course Number/Title	SCH
CS 426 Artificial Intelligence	3
CS 428 Computer Graphics	3
CS 431 Compiling Techniques	3
CS 440 Computer Perf. Evaluation	3
CS 445 Modeling and Simulation	3
CS 424 Advanced Programming Techniques	3
CS 454 Theory of Computing	3
CS 456 Special Topics in Comp. Science	3
CS 459 Special Topics in DBMS	3
CS 462 Special Topics in Software Engineering	3