

Subject	Course Number	Course Title	Prerequisites courses designated with an * must be completed with a "C" or better. Prerequisites courses designated with a + can be taken concurrently		Co-requisites
CS	1190*	Special Topics in Computing	MATH 1508*		none
CS	1290*	Special Topics in Computing	MATH 1508*		none
CS	1310 ^a	Introduction to Computer Programming	none		none
CS	1320 ^b	Computer Programming for Scientists and Engineers	MATH 1508+		none
CS	1301	Introduction to Computer Science	MATH 1508* or MATH 1411+		CS 1101
CS	1101	Introduction to Computer Science Lab	MATH 1508* or MATH 1411+		CS 1301
CS	2401	Elementary Data Structures and Algorithms	CS 1301* and CS 1101*		none
CS	2302	Data Structures	CS 2401* and MATH 2300*		none
CS	3195	Junior Professional Orientation	CS 2302* or CS 2402*		none
CS	3320	Computer Architecture II: Advanced Computer Design and Implementation	CS 3432* and EE 2369*		Offered irregularly
CS	3331	Advanced Object-Oriented Programming	CS 2302* or CS 2402*		none
CS	3350	Automata, Computability, and Formal Languages	(CS 2302* or CS 2402*) and MATH 2300*		none
CS	3360	Design and Implementation of Programming Languages	CS 2302*		none
CS	3370	Computer Graphics	(CS 2302* or CS 2402*) and MATH 3323*		none
CS	3432	Computer Architecture I: Computer Organization and Design	(CS 2302* or CS 2402*) & EE 2369* & EE 2169*		none
CS	4173	Computer Science Internship	CS 3331* and departmental approval		none
CS	4181	Undergraduate Seminar	none		none
CS	4273	Computer Science Internship	CS 3331* and departmental approval		none
CS	4310	Software Engineering: Requirements Engineering	CS 3331* & Senior standing in CS and EECE		none
CS	4311	Software Engineering: Design and Implementation	CS 4310*		none
CS	4316	Computer Networks	(CS 2302* or CS 2402*) and EE 3384*		none
CS	4317	Human-Computer Interaction	CS 2302* or CS 2402*		none
CS	4318	Wireless Networks	CS 4316*		none
CS	4320	Artificial Intelligence	CS 2302* or CS 2402*		none
CS	4339	Secure Web-Based Systems	CS 2302		none
CS	4342	Database Management	CS 2302* or CS 2402*		none
CS	4351	Computer Security	CS 3331*		none
CS	4352	Compilers and Interpreters	CS 3350*		none
CS	4361	Machine Learning	CS 2302*		none
CS	4362	Data Mining	CS 2302* & UG Statistics Course		none
CS	4363	Computer Vision	CS 2302*		none
CS	4365	Topics in Soft Computing	MATH 4329 --OLD PRE-REQS CS 2302* or CS 2402*		none
CS	4371	Computer Science Problems	Senior standing in Computer Science		none
CS	4373	Computer Science Internship	CS 3331* and departmental approval		
CS	4375	Theory of Operating Systems	CS 3320* -- OLD PRE-REQ CS 3432*		none
CS	4390	Special Topics in Computer Science	Senior standing in Computer Science		none
CS	4392	Research Methods in Computer Science	none		none
CS	4393	Senior Project	none		none