

Courses that do not require CS251 or CS350 as pre-requisites

300-LEVEL COURSES

CODE	COURSE	PRE-REQUISITES	FALL	WINTER	SPRING	WAITLIST
CS 341	Algorithms	CS 240 and (MATH 239 or 249)	X	X	X	No
CS 348	Introduction to Database Management	CS 240	X	X	X	No
CS 349	User Interfaces	CS 241 and (one of MATH 115, 136, 146)	X	X	X	No
CS 360	Introduction to the Theory of Computing	CS 240, 241, and (MATH 239 or 249)	X	X	X	No
CS 365	Models of Computation	CS 240, 241 and (MATH 239 or 249)	-	X	-	No
CS 370	Numerical Computation	(One of MATH 118, 119, 128, 138, 148), (one of MATH 106, 114, 115, 136, 146), (one of CS 231, 234, 241, 246)	X	X	X	Yes
CS 371	Introduction to Computational Mathematics	(One of CS 116, 136, 138, 146), MATH235 or 245, 237 or 247 (Cross-listed with AMATH 242)	-	X	X	No
CS 383	Computational Digital Art Studio	CS 240, FINE 229, 257 (Cross-listed with FINE 383)	-	X	-	No

400-LEVEL COURSES

CODE	COURSE	PRE-REQUISITES	FALL	WINTER	SPRING	WAITLIST
CS 442	Principles of Programming Languages	CS 240	-	X	-	No
CS 449	Human-Computer Interaction	CS 240, 241; Level at least 3B	X	-	X	Yes
CS 462	Formal Languages and Parsing	CS 360 or 365	-	X	-	No
CS 466	Algorithm Design and Analysis	CS 341	X	-	X	Yes
CS 467	Introduction to Quantum Information Processing	One of MATH 114, 115, 235, 245; Level at least 4A (Cross-listed with CO 481, PHYS 467)	-	X	-	No

CODE	COURSE	PRE-REQUISITES	FALL	WINTER	SPRING	WAITLIST
CS 475	Computational Linear Algebra	AMATH 242/CS 371 or CS 370	-	-	X	No
CS 476	Numeric Computation for Financial Modeling	(AMATH 242/CS 371 or CS 370) and STAT 231/241	-	X	-	No
CS 480	Introduction to Machine Learning	CS 341 and (STAT 206 or 231 or 241)	X	X	X	Yes
CS 482	Computational Techniques in Biological Sequence Analysis	CS 341, STAT 241 or at least 60% in STAT 231	-	X	-	No
CS 484	Computational Vision	(AMATH 242/CS 371 or CS 370) and STAT 230 or 240	-	X	-	No
CS 485	Statistical and Computational Foundations of Machine Learning	CS 341 and (STAT 206 or 230 or 240)	-	X	-	No
CS 486	Introduction to Artificial Intelligence	CS 341	X	X	X	Yes
CS 487	Introduction to Symbolic Computation	CS 231 or 234 or 241	-	X	-	No
CS 489	Advanced Topics in Computer Science	Level at least 3B	-	X	-	No
CS 492	The Social Implications of Computing	CS 240	-	X	X	Yes
CS 494	Team Project 2	CS 493	-	X	-	No