

Computer Science Major

Summary of requirements

Class of 2009 and earlier

Differences between the original and new curriculums are shown in bold.

Original Curriculum	New Curriculum
COMMON TO ALL OPTIONS AND BOTH CURRICULUMS	
CS141, 142, 241, 242 (or 250), 341, 344, 345, 444 MA131, 132, 211 A two-course sequence in physics or chemistry, 4 additional credits of science LS195, 196, one Hum, one Soc, two Hum or Soc FY100	
GENERAL OPTION	
CS445 Two CS400+ or CS350 One MA from list Two liberals arts, EC, PY or COMM One Bus One Eng Free electives (31 credits)	CS350 Two of CS445, 455, 460 One CS400+ Two from list in CS and related disciplines MA339 (or 239), 383 (or 381) One Bus Free electives (28 credits)
SOFTWARE DESIGN AND DEVELOPMENT OPTION	
CS350 (or 450), 445 , 458, 459, 460, EE368 One CS400+ MA339 (or 239), 383 (or 381) Two liberals arts, EC, PY or COMM One MK, OM, OS or HP200 Free Electives (19 credits)	CS350 (or 450), 458, 459, 460, EE368 One of CS445, 455 One CS400+ MA339 (or 239), 383 (or 381) One MK, OM, OS or HP200 Free Electives (25 credits)
INFORMATION TECHNOLOGY OPTION	
CS350 (or 450), 445 , 455, 460 IS314 COMM341, CS462 (or COMM440 or 442) COMM444 MA339 (or 239), 383 (or 381) Free Electives (25 credits)	CS350 (or 450), 455, 460 IS314 COMM341, CS462 (or COMM440 or 442) COMM444 One CS400+ MA339 (or 239), 383 (or 381) Free Electives (25 credits)
RESEARCH OPTION	
CS350 (or 450), 445, 447 One of CS455, 460 Two CS400+ Thesis or CS600+ (6 credits) MA339 (or 239), 383 (or 381) Two liberals arts, EC, PY or COMM One Bus Free Electives (16 credits)	CS350 (or 450), 445, 447 One of CS455, 460 Two CS400+ Thesis or CS600+ (6 credits) MA339 (or 239), 383 (or 381) One Bus Free Electives (22 credits)