



## B.S. Program in Computer Science (All options, first two years)

**FALL**

**WINTER**

**SPRING**

First Year	MATH 1304 Calculus I (4)* *For a student with proper prerequisites GE	MATH 1305 Calculus II (4) GE	MATH 2304 Calculus III (4) CS 1160 Intro ComSci/Prog (4) GE
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Second Year	CS 2360 Prg Math Soft Eng (4) STAT 3601 Int Stat Sci Engr (4) GE	CS 2430 Assem Lang (4) MATH 2150 Disc Struct (4) GE	CS 3240 Data Struct/Algor (4) MATH 2101 El of Lin Alg (4) GE
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## B.S. Program in Computer Science (No option, last two years)

Third Year	CS 3120 Prog Lang Conc (4) CS 3430 Computer Arch (4) OTHER	CS 4560 Oper Syst (4) CS CONCENTRATION (4) OTHER	CS CONCENTRATION (4) CS CONCENTRATION (4) OTHER
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Fourth Year	CS CONCENTRATION (4) CS ELECTIVE (4) OTHER	CS ELECTIVE (4) OTHER	CS ELECTIVE (4) OTHER
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CS CONCENTRATION : CS 3560, 3590, 4110, 4170, 4245, 4310, 4660; Math 3750

CS ELECTIVE : Any upper division CS course (although CS 3898 and 4900 are limited to 4 units each of credit toward the major). Also includes upper division mathematics and statistics courses applicable to the math major, and CIS 3281, 3282, 4272, 4273; Phil 3002; and Phys 3280

## Program in Computer Science (Networking & Data Comm Option, last two years)

Third Year	CS 3120 Prog Lang Conc (4) CS 3430 Computer Arch (4) OTHER	CS 4560 Oper Syst (4) CS 3560 Intr Systems Prog (4) OTHER	CS 3590 Data Comm Network(4) U.D. CONC FOR NET (4) OTHER
Fourth Year	CS 4594 Broadband Networks (4)* CS 4590 Computer Networking (4) OTHER	CS NET ELECTIVE (4) U.D. CONC FOR NET (4) OTHER	CS NET ELECTIVE (4) U.D. CONC FOR NET (4) OTHER

\*CS 4594 may not be offered in Fall quarter ; if not, it should be taken in Winter or Spring and an Elective taken in Fall.  
U.D. CONC FOR NET: chosen from CS 4660, 4110, 4170, 4245, 4310, MATH 3750  
CS NET ELECTIVE: chosen from CS 4592, 4596, TC 4277

## B.S. Program in Computer Science (Software Engineering Option, last two years)

Third Year	CS 3120 Prog Lang Conc (4) CS 3430 Computer Arch (4) OTHER	CS 4560 Oper Syst (4) CS 3340 Object Oriented Prg (4) OTHER	U.D. CONC FOR SOFT ENG (4) U.D. CONC FOR SOFT ENG(4) OTHER
Fourth Year	CS 4310 Software Eng I (4) U.D. CONC FOR SOFT ENG (4) OTHER	CS 4311 Software Eng II (4) U.D. CONC FOR SOFT ENG (4) OTHER	CS SOFT ENG ELECTIVE (4) CS SOFT ENG ELECTIVE (4) OTHER

U.D. CONC FOR SOFT ENG: chosen from CS 3560, 3590, 4660, 4110, 4170, 4245, MATH 3750  
CS SOFT ENG ELECTIVE: chosen from CS 3520, 4320, 4330, 4520, 4660, 4860

## B.S. Program in Computer Science (Computer Engineering Option, last two years)

Third Year	CS 3120 Prog Lang Conc (4) CS 3430 Computer Arch (4) OTHER	PHYS 2702 Heat/Sound/Elec (4) CS 3432 Digital Elec Lab (4) CS 4430 Comp Arch II (4) OTHER	CS 3434 Comp Interfac Lab (4) CS 3590 Data Comm Network (4) OTHER
Fourth Year	CS 4560 Oper Syst (4) CS ENG ELECTIVE (4) OTHER	CS 4432 VLSI Design (4) CS ENG ELECTIVE (4) OTHER	CS ENG ELECTIVE (4) OTHER

CS ENG ELECTIVE: chosen from CS 3560, 4310, 4590, 4594, 4596, 4840