BS in CS Course Map (with relevant degree requirements)

This map shows the typical course sequences for BS/CS majors. The core CS courses requires a grade of C or higher to advance to the next course. The arrows indicate prerequisite(s) (solid arrows) or co-requisite(s) (dotted arrows).

YEAR 1
- CS2010 Prog. Fun.
- MATH 1280 Pre-calc
- CS2020 Intermed. Prog.
- CS2170/2190 Comp Org
- CS2900 Intern. Prep.

YEAR 2
- MATH 2220 Discrete M.
- CS270/3080 OS
- CS3350 Data Struct.
- CS3000 Prof. & Soc. Issue

YEAR 3
- MATH 1350 Calc I-2
- CS3060 Prac
- CS3640 D.&A. of Algorithm

YEAR 4
- CS4120 Intern. in CS
- At least three 4000-level CS electives
- At least one 3000-level CS electives
- Minimum of 15 credits in MATH required (after MATH1280)
- Minimum of 30 credits in MATH and Science required (excluding CS courses)

GSWs and foreign language sequences (4 courses in same language) should be completed in early years. Both MATH1340(3) & 1350(3) or MATH1310(5) can be taken for Calc I req. MATH2470(3), MATH 3410(3), or both BA2110(3) & 2120(3) can be taken for Stat req. MATH electives can be chosen from MATH 2320, 3130, 3280, 3320, 3420, 3430. There are (4)+(4) or (5)+(5) credits natural science lab sequence courses. CS3900(3) is for full-time internships; CS3901(1-2) is for part-time internships. Internships must be pre-approved to get CS internship course credits.

Prepared by Dr. JK Jake Lee (Mar. 28, 2018)