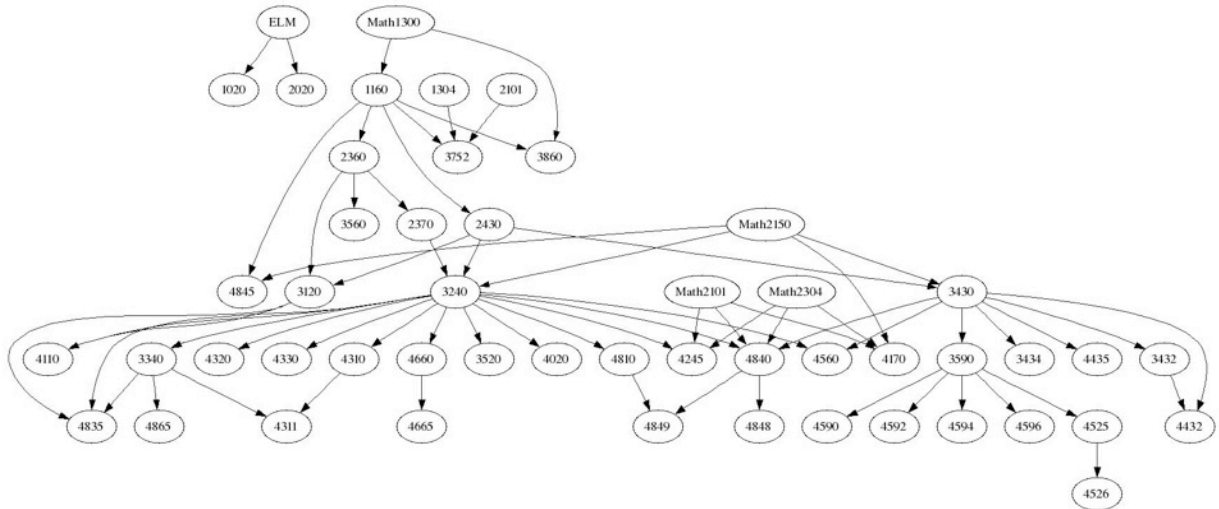# B.S. in Computer Science ROADMAP

2011-2012 Catalog

The first two years are the same in each roadmap. These roadmaps are only examples. Your actual schedule will differ. For detailed major requirements, please consult the University Catalog. "GE" below stands for General Education and other coursework.

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B.S. In C.S. Roadmap

	Fall	Winter	Spring
Year 1	**CS 1160** Intro to Comp Sci I **Math 1304** Calculus I GE	**CS 2360** Intro to Comp Sci II **Math 1305** Calculus II GE	**CS 2370** Intro to Comp Sci III **Math 2150** Discrete Struct GE
Year 2	**CS 2430** Assembly Lang **Math 2101** Linear Alg GE	**CS 3240** Data Structures **Stat 3601** or 3401 or 3501 GE	**CS 3120** Prog Lang **CS 3340** OOP GE
Year 3	**CS 3430** Comp Arch CS Concentration GE	**CS 4560** Operating Systems CS Concentration GE	CS Concentration CS Elective GE
Year 4	CS Concentration CS Elective GE	CS Elective GE GE	CS Elective GE GE

Course Prerequisites: In the graph below, arcs point from one course to another if the first is a prerequisite. In the graph, arcs point from the prerequisite of a course. Consult the Catalog for details, this is a simplified representation.

B.S. in Computer Science ROADMAP
2011-2012 Catalog
The first two years are the same in each roadmap. These roadmaps are only examples. Your actual schedule will differ. For detailed major requirements, please consult the University Catalog. "GE" below stands for General Education and other coursework.

B.S. In C.S. Roadmap: Computer Engineering Option

	Fall	Winter	Spring
Year 1	**CS 1160** Intro to Comp Sci I **Math 1304** Calculus I GE	**CS 2360** Intro to Comp Sci II **Math 1305** Calculus II GE	**CS 2370** Intro to Comp Sci III **Math 2150** Discrete Struct GE
Year 2	**CS 2430** Assembly Lang **Math 2101** Linear Alg GE	**CS 3240** Data Structures **Stat 3601** or 3401 or 3501 GE	**CS 3120** Prog Lang **CS 3340** OOP GE
Year 3	**CS 3430** Comp Arch Comp Engineering Conc. GE	**CS 4560** Operating Systems Comp Engineering Conc. GE	Comp Engineering Conc. Comp Engineering Elective GE
Year 4	Comp Engineering Conc. Comp Engineering Elective GE	Comp Engineering Conc. Comp Engineering Elective GE	Comp Engineering Conc. Comp Engineering Elective GE

B.S. In C.S. Roadmap – Networking and Data Communications Option

	Fall	Winter	Spring
Year 1	**CS 1160** Intro to Comp Sci I **Math 1304** Calculus I GE	**CS 2360** Intro to Comp Sci II **Math 1305** Calculus II GE	**CS 2370** Intro to Comp Sci III **Math 2150** Discrete Struct GE
Year 2	**CS 2430** Assembly Lang **Math 2101** Linear Alg GE	**CS 3240** Data Structures **Stat 3601** or 3401 or 3501 GE	**CS 3120** Prog Lang **CS 3340** OOP GE
Year 3	**CS 3430** Comp Arch **CS 3560** Systems Prog GE	**CS 4560** Operating Systems **CS 3590** Data Comm. GE	**CS 4590** Comp Networks CS Concentration GE
Year 4	CS Concentration Networking Elective GE	CS Concentration Networking Elective GE	Networking Elective GE GE

B.S. In C.S. Roadmap: Software Engineering Option

	Fall	Winter	Spring
Year 1	**CS 1160** Intro to Comp Sci I **Math 1304** Calculus I GE	**CS 2360** Intro to Comp Sci II **Math 1305** Calculus II GE	**CS 2370** Intro to Comp Sci III **Math 2150** Discrete Struct GE
Year 2	**CS 2430** Assembly Lang **Math 2101** Linear Alg GE	**CS 3240** Data Structures **Stat 3601** or 3401 or 3501 GE	**CS 3120** Prog Lang **CS 3340** OOP GE
Year 3	**CS 3430** Comp Arch Software Engineering Conc. GE	**CS 4560** Operating Systems Software Engineering Conc. GE	Software Engineering Conc. CS Concentration GE
Year 4	CS Concentration CS Concentration GE	Software Engineering Elective CS Concentration GE	Software Engineering Elective CS Concentration GE