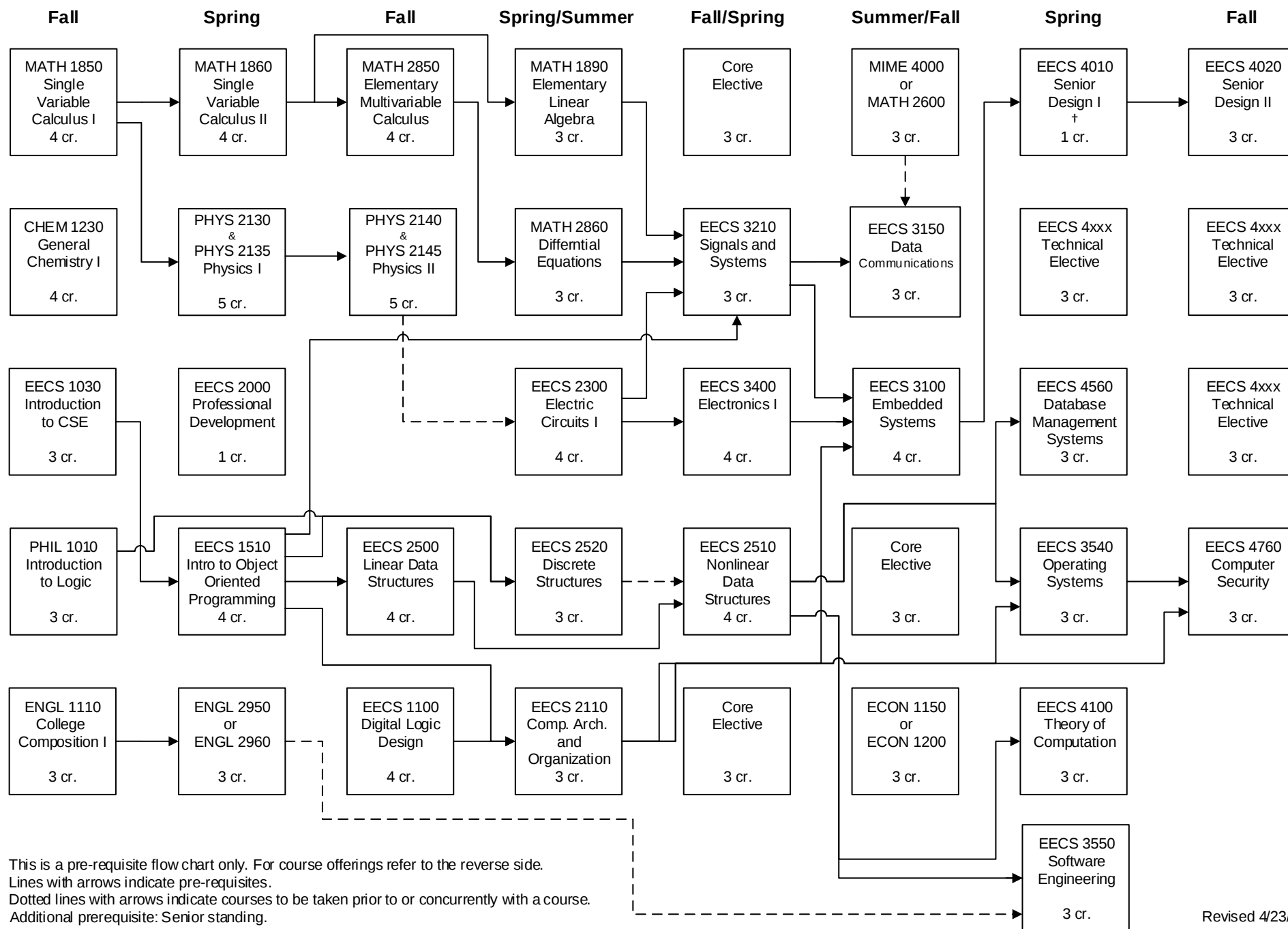


Computer Science and Engineering Flowchart



Computer Science & Engineering Co-Op Plan

Co-Op Plan A		Fall Semester	Spring Semester	Summer Semester
	Freshman	PHIL 1010 Intro to Logic 3 cr. MATH 1850 Single Variable Calculus I 4 cr. CHEM 1230 General Chemistry I 4 cr. EECS 1030 Introduction to CSE 3 cr. ENGL 1110 College Composition I 3 cr. Total 17 hours	MATH 1860 Single Variable Calculus II 4 cr. PHYS 2130 Physics for Sci. & Eng. I 4 cr. PHYS 2135 Physics for Sci. & Eng. I lab 1 cr. EECS 2000 Professional Development 1 cr. EECS 1510 Intro. to Obj. Orient. Prog. 4 cr. ENGL 2950 Sci & Tech. Rpt. Wrtg or ENGL 2960 Organizational. Rpt. Wrtg. 3 cr. Total 17 hours	
	Sophomore	MATH 2850 Elem. Multivariable Calc. 4 cr. PHYS 2140 Physics for Sci. & ENG 4 cr. PHYS 2145 Physics for Sci & ENG lab 1 cr. EECS 2500 Linear Data Structures 4 cr. EECS 1100 Digital Logic Design 4 cr. Total 17 hours	EECS 3940:001 Co-Op Experience # 1	MATH 1890 Linear Algebra 3 cr. MATH 2860 Differential Equations 4 cr. EECS 2300 Electric Circuits I 4 cr. EECS 2520 Discrete Structures 3 cr. EECS 2110 Computer Arch. & Org. 3 cr. Total 16 hours
	Pre-Junior	EECS 3940:002 Co-Op Experience # 2	EECS 3200 Signals & Systems 3 cr. EECS 3400 Electronics I 4 cr. EECS 2510 Non-Linear Data Structures 4 cr. Core Elective 3 cr. Core Elective 3 cr. Total 17 hours	EECS 3940:003 Co-Op Experience # 3
	Junior	EECS 3150 Data Communication 3 cr. EECS 3100 Embedded Systems 4 cr. MIME 4000 Engineering Statistics OR 3 cr. MATH 2600 Introduction to Statistics ECON 1150 Macroeconomics OR 3 cr. ECON 1200 Microeconomics Core Elective 3 cr. Total 16 hours	EECS 4010 Senior Design I 1 cr. EECS 3540 Operating Systems 3 cr. EECS 3550 Software Engineering 3 cr. EECS 4100 Theory of Computation 3 cr. EECS 4560 Database Mgmt. Systems 3 cr. EECS 4XXX Technical Elective 3 cr. Total 16 hours	EECS 3950:004 Optional Co-Op Experience # 4
	Senior	EECS 4020 Senior Design II 3 cr. EECS 4760 Computer Security 3 cr. EECS 4XXX Technical Elective 3 cr. EECS 4XXX Technical Elective 3 cr. Total 12 hours		

Co-Op Plan B		Fall Semester	Spring Semester	Summer Semester
	Freshman	PHIL 1010 Intro to Logic 3 cr. MATH 1850 Single Variable Calculus I 4 cr. CHEM 1230 General Chemistry I 4 cr. EECS 1030 Introduction to CSE 3 cr. ENGL 1110 College Composition I 3 cr. Total 17 hours	MATH 1860 Single Variable Calculus II 4 cr. PHYS 2130 Physics for Sci. & Eng. I 4 cr. PHYS 2135 Physics for Sci. & Eng. I lab 1 cr. EECS 2000 Professional Development 1 cr. EECS 1510 Intro. to Obj. Orient. Prog. 4 cr. ENGL 2950 Sci & Tech. Rpt. Wrtg or ENGL 2960 Organizational. Rpt. Wrtg. 3 cr. Total 17 hours	
	Sophomore	MATH 2850 Elem. Multivariable Calc. 4 cr. PHYS 2140 Physics for Sci. & ENG 4 cr. PHYS 2145 Physics for Sci & ENG lab 1 cr. EECS 2500 Linear Data Structures 4 cr. EECS 1100 Digital Logic Design 4 cr. Total 17 hours	MATH 1890 Linear Algebra 3 cr. MATH 2860 Differential Equations 4 cr. EECS 2300 Electric Circuits I 4 cr. EECS 2520 Discrete Structures 3 cr. EECS 2110 Computer Arch. & Org. 3 cr. Total 16 hours	EECS 3940:001 Co-Op Experience # 1
	Pre-Junior	EECS 3200 Signals & Systems 3 cr. EECS 3400 Electronics I 4 cr. EECS 2510 Non-Linear Data Structures 4 cr. Core Elective 3 cr. Core Elective 3 cr. Total 17 hours	EECS 3940:002 Co-Op Experience # 2	EECS 3150 Data Communication 3 cr. EECS 3100 Embedded Systems 4 cr. MIME 4000 Engineering Statistics OR 3 cr. MATH 2600 Introduction to Statistics ECON 1150 Macroeconomics OR 3 cr. ECON 1200 Microeconomics Core Elective 3 cr. Total 16 hours
	Junior	EECS 3940:003 Co-Op Experience # 3	EECS 4010 Senior Design I 1 cr. EECS 3540 Operating Systems 3 cr. EECS 3550 Software Engineering 3 cr. EECS 4100 Theory of Computation 3 cr. EECS 4560 Database Mgmt. Systems 3 cr. EECS 4XXX Technical Elective 3 cr. Total 16 hours	EECS 3950:004 Optional Co-Op Experience # 4
	Senior	EECS 4020 Senior Design II 3 cr. EECS 4760 Computer Security 3 cr. EECS 4XXX Technical Elective 3 cr. EECS 4XXX Technical Elective 3 cr. Total 12 hours		