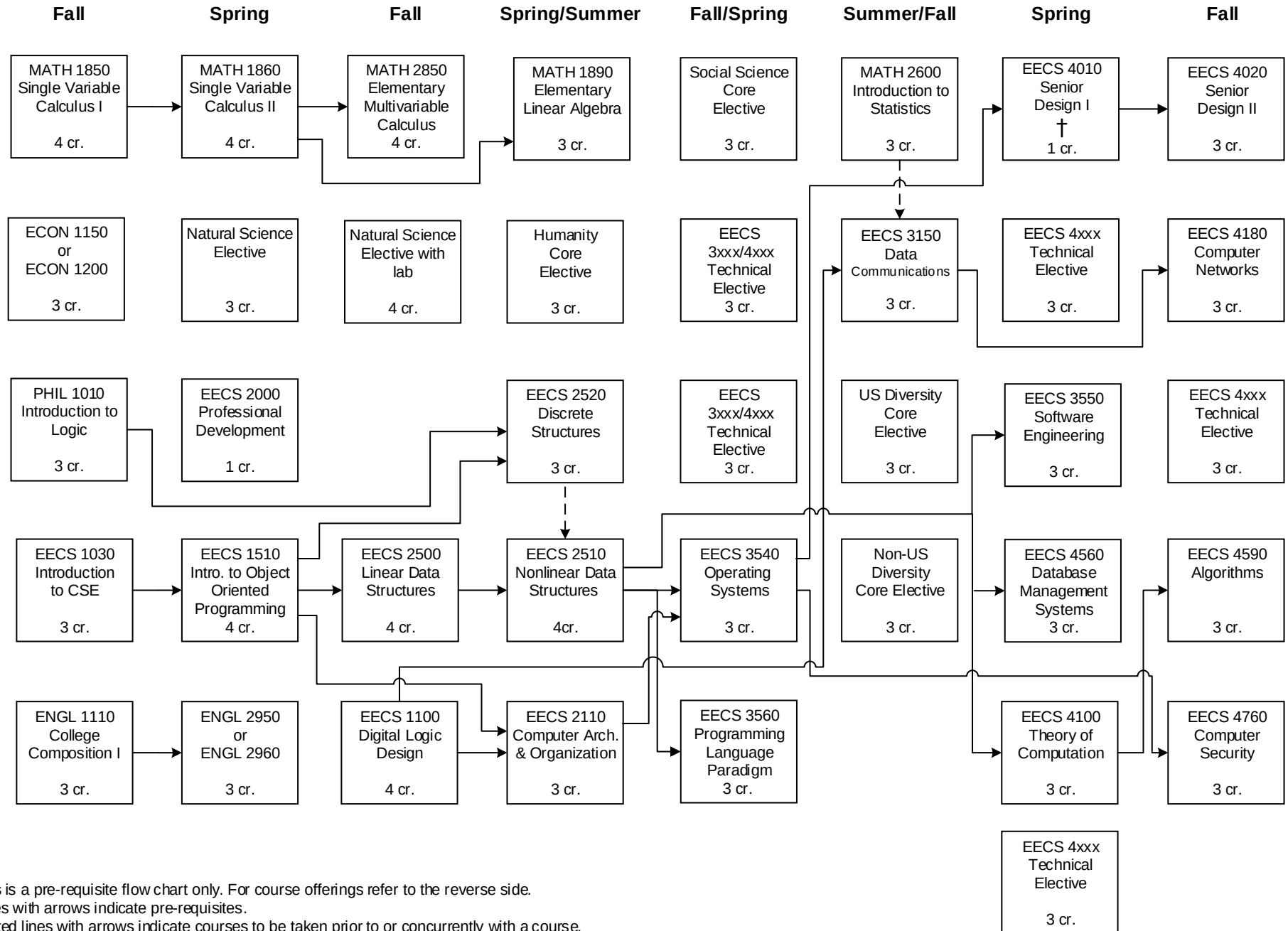


Computer Science Flowchart



- This is a pre-requisite flow chart only. For course offerings refer to the reverse side.
- Lines with arrows indicate pre-requisites.
- Dotted lines with arrows indicate courses to be taken prior to or concurrently with a course.
- † Additional prerequisite: Senior standing.

Computer Science Co-Op Plan

Co-Op Plan A		Fall Semester	Spring Semester	Summer Semester
	Freshman	MATH 1850 Single Variable Calculus I 4 cr. EECS 1030 Intro to CSE 3 cr. PHIL 1010 Intro to Logic 3 cr. ECON 1200 Microeconomics <i>or</i> 3 cr. ECON 1150 Macroeconomics ENGL 1110 College Composition I 3 cr. Total 16 hours	MATH 1860 Single Variable Calculus II 4 cr. EECS 1510 Intro. to Obj. Orient. Prog. 4 cr. EECS 2000 Professional Development 1 cr. ENGL 2950 Sci & Tech Report Wrtg <i>or</i> 3 cr. ENGL 2960 Profess & Bus Writing Natural Science Elective 3 cr. Total 15 hours	
	Sophomore	MATH 2850 Elem. Multivariable Calc. 4 cr. EECS 2500 Linear Data Structures 4 cr. EECS 1100 Digital Logic Design 4 cr. Natural Science Elective w/Lab 4 cr. Total 16 hours	EECS 3940:001 Co-Op Experience # 1	MATH 1890 Linear Algebra 3 cr. EECS 2510 Non-Linear Data Structures 4 cr. EECS 2520 Discrete Structures 3 cr. EECS 2110 Computer Arch. & Org. 3 cr. Humanity Core Elective 3 cr. Total 16 hours
	Pre-Junior	EECS 3940:002 Co-Op Experience # 2	EECS 3540 Operating Systems 3 cr. EECS 3560 Program Lang. Paradigms 3 cr. EECS 3XXX/4XXX Technical Elective 3 cr. EECS 3XXX/4XXX Technical Elective 3 cr. US Diversity Core Elective 3 cr. Total 15 hours	EECS 3940:003 Co-Op Experience # 3
	Junior	EECS 3150 Data Communication 3 cr. MATH 2600 Introduction to Statistics 3 cr. Non-US Diversity Core Elective 3 cr. Social Science Core Elective 3 cr. Total 12 hours	EECS 4010 Senior Design I 1 cr. EECS 4180 Computer Networks 3 cr. EECS 4560 Database Mgmt. Systems 3 cr. EECS 3550 Software Engineering 3 cr. EECS 4100 Theory of Computation 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 4590 Algorithms 3 cr. EECS 4760 Computer Security 3 cr. EECS 4XXX Technical Elective 3 cr. EECS 4XXX Technical Elective 3 cr. Total 15 hours		

Co-Op Plan B		Fall Semester	Spring Semester	Summer Semester
	Freshman	MATH 1850 Single Variable Calculus I 4 cr. EECS 1030 Intro to CSE 3 cr. PHIL 1010 Intro to Logic 3 cr. ECON 1200 Microeconomics <i>or</i> 3 cr. ECON 1150 Macroeconomics ENGL 1110 College Composition I 3 cr. Total 16 hours	MATH 1860 Single Variable Calculus II 4 cr. EECS 1510 Intro. to Obj. Orient. Prog. 4 cr. EECS 2000 Professional Development 1 cr. ENGL 2950 Sci & Tech Report Wrtg <i>or</i> 3 cr. ENGL 2960 Profess & Bus Writing Natural Science Elective 3 cr. Total 15 hours	
	Sophomore	MATH 2850 Elem. Multivariable Calc. 4 cr. EECS 2500 Linear Data Structures 4 cr. EECS 1100 Digital Logic Design 4 cr. Natural Science Elective w/Lab 4 cr. Total 16 hours	MATH 1890 Linear Algebra 3 cr. EECS 2510 Non-Linear Data Structures 4 cr. EECS 2520 Discrete Structures 3 cr. EECS 2110 Computer Arch. & Org. 3 cr. Humanity Core Elective 3 cr. Total 16 hours	EECS 3940:001 Co-Op Experience # 1
	Pre-Junior	EECS 3540 Operating Systems 3 cr. EECS 3560 Program Lang. Paradigms 3 cr. EECS 3XXX/4XXX Technical Elective 3 cr. EECS 3XXX/4XXX Technical Elective 3 cr. US Diversity Core Elective 3 cr. Total 15 hours	EECS 3940:002 Co-Op Experience # 2	EECS 3150 Data Communication 3 cr. MATH 2600 Introduction to Statistics 3 cr. Non-US Diversity Core Elective 3 cr. Social Science Core Elective 3 cr. Total 12 hours
	Junior	EECS 3940:003 Co-Op Experience # 3	EECS 4010 Senior Design I 1 cr. EECS 4180 Computer Networks 3 cr. EECS 4560 Database Mgmt. Systems 3 cr. EECS 3550 Software Engineering 3 cr. EECS 4100 Theory of Computation 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 4590 Algorithms 3 cr. EECS 4760 Computer Security 3 cr. EECS 4XXX Technical Elective 3 cr. EECS 4XXX Technical Elective 3 cr. Total 15 hours		