

# CSE/EE Dual Major Program

Co-Op Plan A		<b>Fall Semester</b>	<b>Spring Semester</b>	<b>Summer Semester</b>
	<b>Freshman Year</b>	PHIL 1010 Intro to Logic 3 cr. MATH 1850 Single Variable Calculus I 4 cr. CHEM 1230 General Chemistry I 4 cr. EECS 1030 Intro to CSE 3 cr. ENGL 1110 College Composition I 3 cr. <b>Total 17 hours</b>	MATH 1860 Single Variable Calculus II 4 cr. PHYS 2130 Physics for Sci. & Eng. I 5 cr. EECS 2000 Professional Development 1 cr. EECS 1510 Intro. to Obj. Orient. Prog. 4 cr. ENGL 2950 Sci & Tech Rpt Wrting or 3 cr. ENGL 2960 Profess & Bus Writing <b>Total 18 hours</b>	
	<b>Sophomore Year</b>	MATH 2850 Elem. Multivariable Calc. 4 cr. PHYS 2140 Physics for Sci. & Eng. II 5 cr. EECS 2500 Linear Data Structures 4 cr. EECS 1100 Digital Logic Design 4 cr. <b>Total 17 hours</b>	EECS 3940:001 Co-Op Experience # 1	MATH 1890 Elem. Linear Algebra 3 cr. MATH 2860 Differential Equations 3 cr. EECS 2300 Electric Circuits I 4 cr. EECS 2520 Discrete Structures 3 cr. EECS 2110 Computer Arch. & Org. 3 cr. HUM/SOC/MC 3 cr. <b>Total 19 hours</b>
	<b>Pre-Junior Year</b>	EECS 3940:002 Co-Op Experience # 2	EECS 3400 Electronics I 4 cr. EECS 3210 Signals & Systems 3 cr. EECS 2510 Nonlinear Data Structures 4 cr. EECS 3710 Electromagnetics 3 cr. EECS 3220 Electric Circuits II 3 cr. <b>Total 17 hours</b>	EECS 3940:003 Co-Op Experience # 3
	<b>Junior Year</b>	EECS 3150 Data Communication 3 cr. EECS 3420 Electronics II 3 cr. EECS 3460 Elec. Energy Conversion 3 cr. MIME 3400 Thermodynamics or CIVE 1150 Statics 3 cr. ECON 1200 Microeconomics 3 cr. HUM/SOC/MC 3 cr. <b>Total 18 hours</b>	EECS 3540 Operating Systems 3 cr. EECS 3300 Probabilistic Methods 3 cr. EECS 3550 Software Engineering 3 cr. EECS 3720 Electromagnetics II 3 cr. EECS 4100 Theory of Computation 3 cr. EECS 4200 Feedback Control Systems 3 cr. <b>Total 18 hours</b>	EECS 3950:004 Optional Co-Op Experience # 4
<b>Senior Year</b>	EECS 4010 Senior Design I 1 cr. EECS 3100 Embedded Systems 4 cr. EECS 3440 Electronics Lab 1 cr. EECS 4360 Communication Systems 3 cr. EECS 4600 Solid State Devices 4 cr. EECS 4760 Computer Security 3 cr. <b>Total 16 hours</b>	EECS 4020 Senior Design II 3 cr. EECS 3480 Energy Conversion Lab 1 cr. EECS Technical Elective 3 cr. EECS Technical Elective 3 cr. EECS 4560 Database Management Sys. 3 cr. HUM/SOC/MC 3 cr. <b>Total 16 hours</b>		

Co-Op Plan B		<b>Fall Semester</b>	<b>Spring Semester</b>	<b>Summer Semester</b>
	<b>Freshman Year</b>	PHIL 1010 Intro to Logic 3cr. MATH 1850 Single Variable Calculus I 4 cr. CHEM 1230 General Chemistry I 4 cr. EECS 1030 Intro to CSE 3 cr. ENGL 1110 College Composition I 3 cr. <b>Total 17 hours</b>	MATH 1860 Single Variable Calculus II 4 cr. PHYS 2130 Physics for Sci. & Eng. I 5 cr. EECS 2000 Professional Development 1 cr. EECS 1510 Intro. to Obj. Orient. Prog. 4 cr. ENGL 2950 Sci & Tech Rpt Wrting or 3 cr. ENGL 2960 Profess & Bus Writing <b>Total 16 hours</b>	
	<b>Sophomore Year</b>	MATH 2850 Elem. Multivariable Calc. 4 cr. PHYS 2140 Physics for Sci. & Eng. II 5 cr. EECS 2500 Linear Data Structures 4 cr. EECS 1100 Digital Logic Design 4 cr. <b>Total 17 hours</b>	MATH 1890 Elem. Linear Algebra 3 cr. MATH 2860 Differential Equations 3 cr. EECS 2300 Electric Circuits I 4 cr. EECS 2520 Discrete Structures 3 cr. EECS 2110 Computer Arch. & Org. 3 cr. HUM/SOC/MC 3 cr. <b>Total 19 hours</b>	EECS 3940:001 Co-Op Experience # 1
	<b>Pre-Junior Year</b>	EECS 3400 Electronics I 4 cr. EECS 3210 Signals & Systems 3 cr. EECS 2510 Nonlinear Data Structures 4 cr. EECS 3710 Electromagnetics 3 cr. EECS 3220 Electric Circuits II 3 cr. <b>Total 17 hours</b>	EECS 3940:002 Co-Op Experience # 2	EECS 3150 Data Communication 3 cr. EECS 3420 Electronics II 3 cr. EECS 3460 Elec. Energy Conversion 3 cr. ECON 1200 Microeconomics 3 cr. MIME 3400 Thermodynamics or CIVE 1150 Statics 3 cr. HUM/SOC/MC 3 cr. <b>Total 18 hours</b>
	<b>Junior Year</b>	EECS 3940:003 Co-Op Experience # 3	EECS 3540 Operating Systems 3 cr. EECS 3300 Probabilistic Methods 3 cr. EECS 3550 Software Engineering 3 cr. EECS 3720 Electromagnetics II 3 cr. EECS 4100 Theory of Computation 3 cr. EECS 4200 Feedback Control Systems 3 cr. <b>Total 18 hours</b>	EECS 3950:004 Optional Co-Op Experience # 4
<b>Senior Year</b>	EECS 4010 Senior Design I 1 cr. EECS 3100 Embedded Systems 4 cr. EECS 3440 Electronics Lab 1 cr. EECS 4360 Communication Systems 3 cr. EECS 4600 Solid State Devices 4 cr. EECS 4760 Computer Security 3 cr. <b>Total 16 hours</b>	EECS 4020 Senior Design II 3 cr. EECS 3480 Energy Conversion Lab 1 cr. EECS Technical Elective 3 cr. EECS Technical Elective 3 cr. EECS 4560 Database Management Sys. 3 cr. HUM/SOC/MC 3 cr. <b>Total 16 hours</b>		