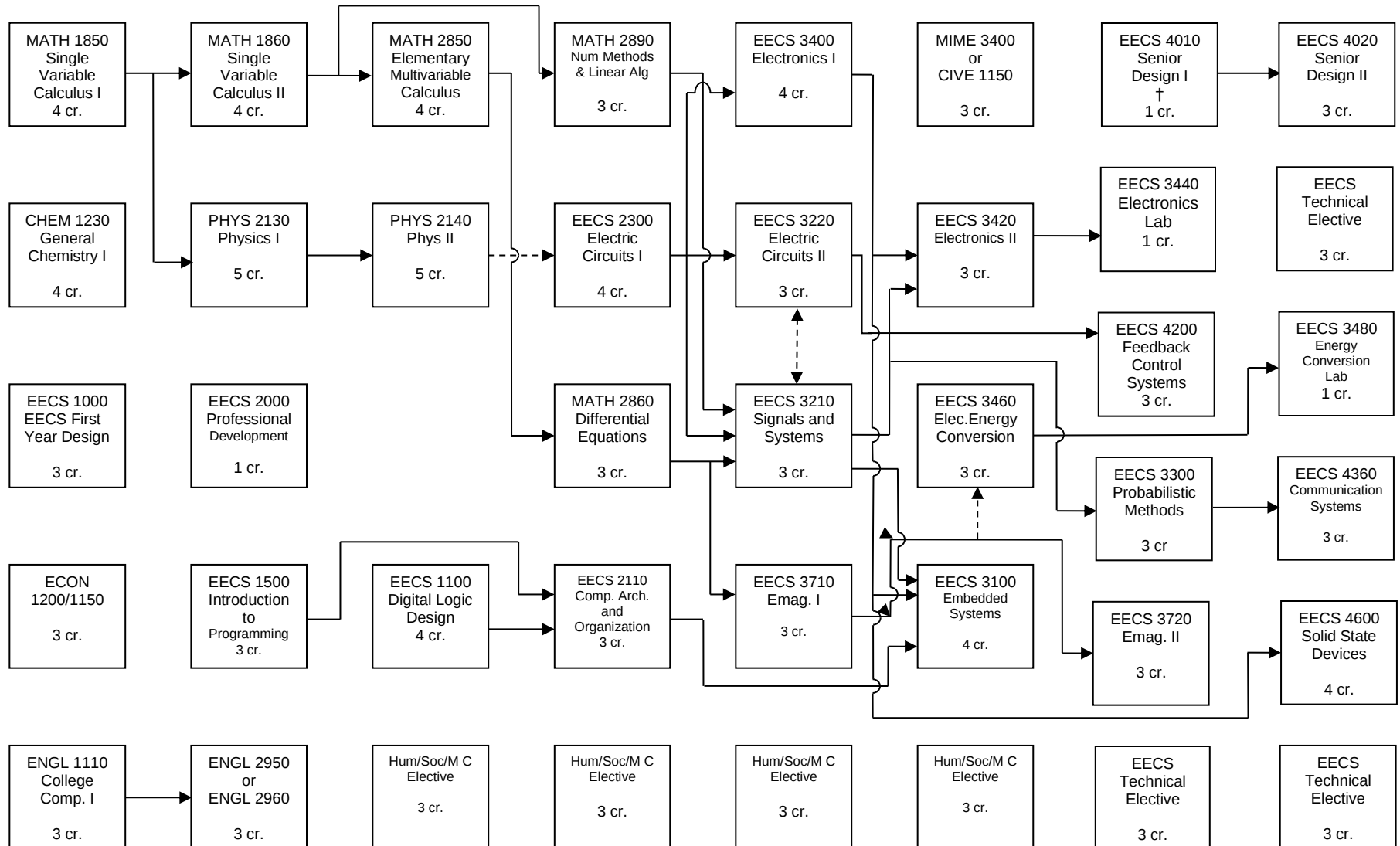


Electrical Engineering Flow Chart



- 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.
- Selection of Hum./Soc. Sci./MC Electives must satisfy the University core requirements.
- If you have any questions, please contact the EECS department in Nitschke Hall Room 2008.
- † Prerequisites: Senior standing and either EECS 3100 or EECS 3420.

Revised 5/22/19 cmh

EE Program – Co-op Plan A

	Fall Semester	Spring Semester	Summer Semester
Freshman Year	MATH 1850 Single Variable Calculus I 4 cr. CHEM 1230 General Chemistry I 4 cr. ENGL 1110 College Composition I 3 cr. EECS 1000 EECS First Year Design 3 cr. ECON 1200 Microeconomics <i>or</i> ECON 1150 Macroeconomics 3 cr. Total 17 hours	MATH 1860 Single Variable Calculus II 4 cr. PHYS 2130 Physics for Sci & Eng. I 5 cr. EECS 2000 Professional Development 1 cr. EECS 1500 Introduction to Prog. 3 cr. ENGL 2950 Tech Rpt. Writing <i>or</i> ENGL 2960 Organizational Rpt Wrtg 3 cr. Total 16 hours	
Sophomore Year	MATH 2850 Elem. Multivrlble Calculus 4 cr. PHYS 2140 Physics for Sci & Eng. II 5 cr. EECS 1100 Digital Logic Design 4 cr. Hum/Soc/Multicultural Electives 3 cr. Total 16 hours	EECS 3940:001 Co-Op Experience # 1	MATH 2860 Elem Differential Equations 3 cr. MATH 2890 Numerical Meth & Linear Alg 3 cr. EECS 2300 Electric Circuits I 4 cr. EECS 2110 Comp Org & Architecture 3 cr. Hum/Soc/Multicultural Electives 3 cr. Total 16 hours
Pre-Junior Year	EECS 3940:002 Co-Op Experience # 2	EECS 3400 Electronics I 4 cr. EECS 3210 Signals & Systems 3 cr. EECS 3220 Electric Circuits II 3 cr. EECS 3710 Electromagnetics I 3 cr. Hum/Soc/Multicultural Electives 3 cr. Total 16 hours	EECS 3940:003 Co-Op Experience #3
Junior Year	EECS 3420 Electronics II 3 cr. EECS 3460 Energy Conversion 3 cr. EECS 3100 Embedded Systems 4 cr. MIME 3400 Thermodynamics I <i>or</i> CIVE 1150 Statics 3 cr. Hum/Soc/Multicultural Elective 3 cr. Total 16 hours	EECS 4010 Senior Design I 1 cr. EECS 3300 Probabilistic Methods 3 cr. EECS 3440 Electronics Lab 1 cr. EECS 3720 Electromagnetics II 3 cr. EECS 4200 Feedback Control Systems 3 cr. EECS Technical Elective 3 cr. Total 14 hours	EECS 3950:004 Optional Co-Op Experience # 4
Senior Year	EECS 4020 Senior Design II 3 cr. EECS 3480 Energy Conversion Lab 1 cr. EECS 4360 Communication Systems 3 cr. EECS 4600 Solid State Devices 4 cr. EECS Technical Electives 6 cr. Total 17 hours		

EE Program – Co-op Plan B

	Fall Semester	Spring Semester	Summer Semester
Freshman Year	MATH 1850 Single Variable Calculus I 4 cr. CHEM 1230 General Chemistry I 4 cr. ENGL 1110 College Composition I 3 cr. EECS 1000 EECS First Year Design 3 cr. ECON 1200 Microeconomics <i>or</i> ECON 1150 Macroeconomics 3 cr. Total 17 hours	MATH 1860 Single Variable Calculus II 4 cr. PHYS 2130 Physics for Sci & Eng. I 5 cr. EECS 2000 Professional Development 1 cr. EECS 1500 Introduction to Prog. 3 cr. ENGL 2950 Tech Rpt. Writing <i>or</i> ENGL 2960 Organizational Rpt Wrtg 3 cr. Total 16 hours	
Sophomore Year	MATH 2850 Elem. Multivrlble Calculus 4 cr. PHYS 2140 Physics for Sci & Eng. II 5 cr. EECS 1100 Digital Logic Design 4 cr. Hum/Soc/Multicultural Electives 3 cr. Total 16 hours	MATH 2860 Elem Differential Equations 3 cr. MATH 2890 Numerical Meth & Linear Alg 3 cr. EECS 2300 Electric Circuits I 4 cr. EECS 2110 Comp Org & Architecture 3 cr. Hum/Soc/Multicultural Electives 3 cr. Total 16 hours	EECS 3940:001 Co-Op Experience # 1
Pre-Junior Year	EECS 3400 Electronics I 4 cr. EECS 3210 Signals & Systems 3 cr. EECS 3710 Electromagnetics I 3 cr. EECS 3220 Electric Circuits II 3 cr. Hum/Soc/Multicultural Electives 3 cr. Total 16 hours	EECS 3940:002 Co-Op Experience # 2	EECS 3420 Electronics II 3 cr. EECS 3460 Energy Conversion 3 cr. EECS 3100 Embedded Systems 4 cr. MIME 3400 Thermodynamics I <i>or</i> CIVE 1150 Statics 3 cr. Hum/Soc/Multicultural Elective 3 cr. Total 16 hours
Junior Year	EECS 3940:003 Co-Op Experience #3	EECS 4010 Senior Design I 1 cr. EECS 3300 Probabilistic Methods 3 cr. EECS 3440 Electronics Lab 1 cr. EECS 3720 Electromagnetics II 3 cr. EECS 4200 Feedback Control Systems 3 cr. EECS Technical Elective 3 cr. Total 14 hours	EECS 3950:004 Optional Co-Op Experience # 4
Senior Year	EECS 4020 Senior Design II 3 cr. EECS 3480 Energy Conversion Lab 1 cr. EECS 4360 Communication Systems 3 cr. EECS 4600 Solid State Devices 4 cr. EECS Technical Electives 6 cr. Total 17 hours		