Electrical Engineering Program – **Co-op Plan A** (2004-2006 flow chart)

	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 Orientation to EECS 1 cr. EECS 1100 Digital Logic Design 4 cr. **Total 16 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 1530 Introduction to Prog. 3 cr. ENGL 2950 Tech Writing *or* ENGL 2960 Organizational Rpt Wrtg 3 cr. **Total 16 hours**	
Sophomore Year	MATH 2850 Elem. Multivrble Calculus 4 cr. PHYS 2140 Physics for Sci & Eng. II 5 cr. EECS 2100 Comp Org & Assembly 4 cr. ECON 1200 Microeconomics 3 cr. **Total 16 hours**	EECS 3940:001 Co-Op Experience # 1	MATH 3860 Elem Differential Equations 3 cr. MATH 2890 Numerical Meth & Linear Alg 3 cr. EECS 2300 Electric Circuits 4 cr. Hum/Soc/Multiculatural Electives 6 cr. **Total 16 hours**
Pre-Junior Year	EECS 3940:002 Co-Op Experience # 2	EECS 3400 Electronics I 4 cr. EECS 3200 Signals & Systems 4 cr. EECS 3700 Electromagnetics 4 cr. MIME 3400 Thermodynamics I *or* CIVE 1150 Statics 3 cr. **Total 15 hours**	EECS 3940:003 Co-Op Experience #3
Junior Year	EECS 3100 Microsystems Design 4 cr. EECS 3300 Probabilistic Methods 3 cr. EECS 3420 Electronics II 3 cr. EECS 3460 Energy Conversion 3 cr. Hum/Soc/Multicultural Elective 3 cr. **Total 16 hours**	EECS 3440 Electronics Lab 1 cr. EECS 4360 Communication Systems 3 cr. EECS 4200 Feedback Control Systems 3 cr. EECS 4130 Digital Design 4 cr. EECS Technical Electives 6 cr. **Total 17 hours**	EECS 3940:004 Co-Op Experience # 4
Senior Year	EECS 4000 Senior Design 4 cr. EECS 4480 Elec Energy Process 3 cr. EECS Technical Electives 6 cr. Hum/Soc/Multicultural Elective 3 cr. **Total 16 hours**	Course work for deficiencies, business administration minor, graduate study or additional co-op experience.	

Electrical Engineering Program – **Co-op Plan B** (2004-2006 flow chart)

	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 Orientation to EECS 1 cr. EECS 1100 Digital Logic Design 4 cr. **Total 16 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 1530 Introduction to Prog. 3 cr. ENGL 2950 Tech Writing *or* ENGL 2960 Organizational Rpt Wrtg 3 cr. **Total 16 hours**	
Sophomore Year	MATH 2850 Elem. Multivrble Calculus 4 cr. PHYS 2140 Physics for Sci & Eng. II 5 cr. EECS 2100 Comp Org & Assmbly 4 cr. ECON 1200 Microeconomics 3 cr. **Total 16 hours**	MATH 3860 Elem Differential Equations 3 cr. MATH 2890 Numerical Meth & Linear Alg 3 cr. EECS 2300 Electric Circuits 4 cr. Hum/Soc/Multicultural Electives 6 cr. **Total 16 hours**	EECS 3940:001 Co-Op Experience # 1
Pre-Junior Year	EECS 3400 Electronics I 4 cr. EECS 3200 Signals & Systems 4 cr. EECS 3700 Electromagnetics 4 cr. MIME 3400 Thermodynamics I *or* CIVE 1150 Statics 3 cr. **Total 15 hours**	EECS 3940:002 Co-Op Experience # 2	EECS 3300 Probabilistic Methods 3 cr. EECS 3420 Electronics II 3 cr. EECS 3460 Energy Conversion 3 cr. EECS 3100 Microsystems Design 4 cr. Hum/Soc/Multicultural Elective 3 cr. **Total 16 hours**
Junior Year	EECS 3940:003 Co-Op Experience #3	EECS 3440 Electronics Lab 1 cr. EECS 4360 Communication Systems 3 cr. EECS 4200 Feedback Control Systems 3 cr. EECS 4130 Digital Design 4 cr. EECS Technical Electives 6 cr. **Total 17 hours**	EECS 3940:004 Co-Op Experience # 4
Senior Year	EECS 4000 Senior Design 4 cr. EECS 4480 Elec Energy Process 3 cr. EECS Technical Electives 6 cr. Hum/Soc/Multicultural Elective 3 cr. **Total 16 hours**	Course work for deficiencies, business administration minor, graduate study or additional co-op experience.	

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