

Name _____

I.D.

No. _____

ELECTRICAL ENGINEERING

Curriculum Sheet

REVISED 3-9-08

Fall Semester – Year 1

	<u>Cr.</u>	<u>Grade</u>
ENG 101 English I	4	_____
MTH 181 Calculus I	4	_____
CHM 261 General Chemistry I	4	_____
CHM 266 General Chemistry Laboratory I	1	_____
ESC 120 Introduction to Engineering Design***	2	_____
ESC 100 New Student Orientation*	1	_____

Spring Semester – Year 1

	<u>Cr.</u>	<u>Grade</u>
ENG 102 English II	3	_____
MTH 182 Calculus II	4	_____
PHY 243 University Physics I (Writing)	5	_____
ESC 151 C Programming	3	_____
CSC 121 Career Orientation**	1	_____

Fall Semester – Year 2

	<u>Cr.</u>	<u>Grade</u>
MTH 283 Multivariable Calculus for Engineers	2	_____
MTH 284 Matrices for Engineers	2	_____
PHY 244 University Physics II (Writing)	5	_____
ESC 250 Differential Equations for Engineers	3	_____
EEC 310 Electric Circuits I	4	_____
Gen Ed Elective _____	3	_____

Spring Semester – Year 2

	<u>Cr.</u>	<u>Grade</u>
EEC 311 Electric Circuits II	4	_____
EEC 313 Electronics I	4	_____
ESC 310 Engineering Statistics and Probability	3	_____
Gen Ed Elective _____	3	_____
Gen Ed Elective _____	3	_____

Fall Semester – Year 3

	<u>Cr.</u>	<u>Grade</u>
EEC 314 Electronics II	4	_____
EEC 315 Electronics Laboratory	2	_____
EEC 361 Electro-Mech Energy Conversion	4	_____
EEC 382 Digital Systems	4	_____
Gen Ed Elective _____	3	_____

Spring Semester – Year 3

	<u>Cr.</u>	<u>Grade</u>
ESC 203 Statics and Dynamics	4	_____
ESC 282 Engineering Economy	3	_____
PHL 215 Engineering Ethics (Writing)	3	_____
EEC 470 Power Electronics	4	_____
Gen Ed Elective _____	3	_____

Fall Semester – Year 4

	<u>Cr.</u>	<u>Grade</u>
EEC 440 Control Systems	4	_____
EEC 441 Controls Systems Laboratory	2	_____
EEC 450 Communications	4	_____
EEC 451 Communications Laboratory	2	_____
EEC Tech Elective _____	4	_____

Spring Semester – Year 4

	<u>Cr.</u>	<u>Grade</u>
EEC 471 Power Electronics & Machines Lab****	2	_____
EEC 490 Senior Design	4	_____
EEC Tech Elective _____	4	_____
EEC Tech Elective _____	4	_____

* Not required for transfer students

**Optional course. Required for co-op program.

***Required for freshmen and transfer students admitted to Engineering College Fall, 2003 and after.

****Required for freshmen and transfer students admitted to Engineering College Fall 2001 and after.

Minimum number of credits required for degree (excluding orientation and co-op): 130

SEE OTHER SIDE FOR ELECTRICAL ENGINEERING (Co-op)

Name _____ I.D. _____

No. _____

ELECTRICAL ENGINEERING

Co-op Curriculum Sheet

REVISED 12-10-08

<u>Year 1</u>	<u>Fall Semester</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester</u>	<u>Cr.</u>	<u>Grade</u>	<u>Summer Semester</u>	
ESC 100 New Student Orientation**	1	_____		ENG 102 English II	3	_____	Work or School	
ENG 101 English I	4	_____		ESC 151 C Programming	3	_____		
MTH 181 Calculus I	4	_____		MTH 182 Calculus II	4	_____		
CHM 261 Gen. Chemistry I	4	_____		PHY 243 Univ. Physics I (Writing)	5	_____		
CHM 266 General Chem. Lab I	1	_____		CSC 121 Career Orientation*	1	_____		
ESC 120 Intro. to Engineering Design****	2	_____						
<u>Year 2</u>	<u>Fall Semester</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester</u>	<u>Cr.</u>	<u>Grade</u>	<u>Summer Semester</u>	<u>Cr.</u>
MTH 283 Multivariable Calc for Engineers	2	_____		EEC 311 Electric Circuits II	4	_____	Co-op:	
MTH 284 Matrices for Engrs.	2	_____		EEC 313 Electronics I	4	_____	ESC 300	1 _____
PHY 244 Univ. Physics II (Writing)	5	_____		ESC 310 Engr. Statistics and Probability	3	_____		
ESC 250 Diff. Equations for Engineers	3	_____		Gen Ed Elective _____	3	_____		
EEC 310 Electric Circuits I	4	_____						
<u>Year 3</u>	<u>Fall Semester</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester</u>	<u>Cr.</u>	<u>Grade</u>	<u>Summer Semester</u>	<u>Cr.</u>
EEC 314 Electronics II	4	_____		Co-op:			Gen Ed Elective _____	3 _____
EEC 315 Electronics Lab	2	_____		ESC 300	1	_____	Gen Ed Elective _____	3 _____
EEC 361 Electro-Mech Energy Conversion	4	_____					ESC 282 Engr. Economy	3 _____
EEC 382 Digital Systems	4	_____						
<u>Year 4</u>	<u>Fall Semester</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester</u>	<u>Cr.</u>	<u>Grade</u>	<u>Summer Semester</u>	<u>Cr.</u>
Co-op: ESC 300	1	_____		PHL 215 Engineering Ethics (Writing)	3	_____	Co-op: ESC 300	1 _____
				ESC 203 Statics & Dynamics	4	_____		
				EEC 470 Power Electronics	4	_____		
				Gen Ed Elective _____	3	_____		
				Gen Ed Elective _____	3	_____		
<u>Year 5</u>	<u>Fall Semester</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester</u>	<u>Cr.</u>	<u>Grade</u>		
EEC 440 Control Systems	4	_____		EEC 471 Power Electronics & Machines Lab ***	2	_____		
EEC 441 Control Systems Lab	2	_____		EEC 490 Senior Design	4	_____		
EEC 450 Communications	4	_____		EEC Tech	4	_____		
EEC 451 Communication Lab	2	_____		EEC Tech	4	_____		
EEC Tech	4	_____		EEC Tech	4	_____		
Elective _____				Elective _____				

* Required for co-op and internship programs.

**Not required for transfer students.

***Required for freshman and transfer students admitted to Engineering College Fall 2001 and after.

****Required for freshman and transfer students admitted to Engineering College Fall 2003 and after.

Minimum number of credits required for degree (excluding orientation and co-op): 132

SEE OTHER SIDE FOR ELECTRICAL ENGINEERING (Non-Co-op)

