

# CLEVELAND STATE UNIVERSITY

Name \_\_\_\_\_ I.D. No. \_\_\_\_\_

## ELECTRICAL ENGINEERING Curriculum Sheet

<u>Fall Semester – Year 1</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 1</u>	<u>Cr.</u>	<u>Grade</u>
ENG 101 English I	4	_____	ENG 102 English II	3	_____
MTH 181 Calculus I	4	_____	MTH 182 Calculus II	4	_____
CHM 261 General Chemistry I	4	_____	PHY 243 University Physics I (Writing)	5	_____
CHM 266 General Chemistry Laboratory I	1	_____	ESC 151 C Programming	3	_____
ESC 120 Introduction to Engineering Design***	2	_____	CSC 121 Career Orientation**	1	_____
ESC 100 New Student Orientation*	1	_____			

<u>Fall Semester – Year 2</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 2</u>	<u>Cr.</u>	<u>Grade</u>
MTH 283 Multivariable Calculus for Engineers	2	_____	EEC 311 Electric Circuits II	4	_____
MTH 284 Matrices for Engineers	2	_____	EEC 313 Electronics I	4	_____
PHY 244 University Physics II (Writing)	5	_____	ESC 310 Engineering Statistics and Probability	3	_____
ESC 250 Differential Equations for Engineers	3	_____	Gen Ed Elective_____	3	_____
EEC 310 Electric Circuits I	4	_____	Gen Ed Elective_____	3	_____
Gen Ed Elective_____	3	_____			

<u>Fall Semester – Year 3</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 3</u>	<u>Cr.</u>	<u>Grade</u>
EEC 314 Electronics II	4	_____	ESC 203 Statics and Dynamics	4	_____
EEC 315 Electronics Laboratory	2	_____	ESC 282 Engineering Economy	3	_____
EEC 361 Electro-Mech Energy Conversion	4	_____	EEC 381 Digital Systems Laboratory	2	_____
EEC 380 Digital Systems	4	_____	PHL 215 Engineering Ethics (Writing)	3	_____
Gen Ed Elective_____	3	_____	Gen Ed Elective_____	3	_____

<u>Fall Semester – Year 4</u>	<u>Cr.</u>	<u>Grade</u>	<u>Spring Semester – Year 4</u>	<u>Cr.</u>	<u>Grade</u>
EEC 440 Control Systems	4	_____	EEC 471 Power Electronics & Machines Lab****	2	_____
EEC 441 Controls Systems Laboratory	2	_____	EEC 490 Senior Design	4	_____
EEC 450 Communications	4	_____	EEC Tech Elective_____	4	_____
EEC 451 Communications Laboratory	2	_____	EEC Tech Elective_____	4	_____
EEC 470 Power Electronics	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): 132