

CLEVELAND STATE UNIVERSITY

Name _____ I.D. No. _____

COMPUTER ENGINEERING Curriculum Sheet Revised 11-10-04

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 100 New Student Orientation*	1	_____
ESC 120 Introduction to Engr. Design***	2	_____

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	_____
CIS 260 Introduction to Programming	4	_____
CSC 121 Career Orientation**	1	_____

Fall Semester – Year 2

	<u>Cr.</u>	<u>Grade</u>
MTH 284 Matrices for Engineers	2	_____
PHY 244 Univ. Physics II (Writing)	5	_____
ESC 250 Differential Equations for Engineers	3	_____
EEC 310 Electric Circuits I	4	_____
CIS 265 Data Structures and Algorithms	4	_____

Spring Semester – Year 2

	<u>Cr.</u>	<u>Grade</u>
EEC 311 Electric Circuits II	4	_____
EEC 313 Electronics I	4	_____
CIS 334 Fundamentals of Microcomputer Architecture	2	_____
CIS 340 C/C++ for Systems Programming	2	_____
ESC 310 Engineering Statistics & Probability	3	_____
Gen Ed Elective _____	3	_____

Fall Semester – Year 3

	<u>Cr.</u>	<u>Grade</u>
EEC 316 Electronic Devices Lab	1	_____
EEC 380 Digital Systems	4	_____
CIS 345 Architecture & OS	4	_____
MTH 220 Discrete Mathematics	4	_____
Gen Ed Elective _____	3	_____
Gen Ed Elective _____	3	_____

Spring Semester – Year 3

	<u>Cr.</u>	<u>Grade</u>
EEC 381 Digital Systems Laboratory	2	_____
EEC 483 Computer Organization	4	_____
ESC 282 Engineering Economy	3	_____
ESC ____ Engineering Science Elective	3	_____
PHL 215 Engineering Ethics (Writing)	3	_____
Gen Ed Elective _____	3	_____

Fall Semester – Year 4

	<u>Cr.</u>	<u>Grade</u>
EEC 480 Modern Digital Design	4	_____
EEC 481 Digital Systems Lab II	2	_____
EEC 484 Computer Networks	4	_____
EEC 485 High Performance Architectures	4	_____
EEC Tech. Elective _____	4	_____

Spring Semester – Year 4

	<u>Cr.</u>	<u>Grade</u>
EEC 482 Computer Engineering Lab	2	_____
EEC 490 Senior Design	4	_____
EEC Tech. Elective _____	4	_____
EEC Tech Elective _____	4	_____
Gen Ed Elective _____	3	_____

* Not required for transfer students

**Optional course. Required for participation in co-op and internship programs.

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

Minimum number of credits required for degree (excluding orientation and co-op): 139