

Sample Course Schedule

Computer Engineering

revised 11-10-04

		Equivalent courses		
Year 1	Total ch	* Tri-C	* Lakeland	* Lorain
Fall				
	ESC 120 Intro to Engineering Design	2		
	CHM 261/266 lab General Chemistry I, lab	5	CHEM 1300/130L	CHEM 1500
	MTH 181 Calculus I	4	MATH 1610	MATH 2500
	ENG 101 English I	4	ENG 1010	ENGL 1110 or 1111
	ASC 101 Orientation	1		ENGL 161
	<u>16</u>	16		
Spring				
	PHY 241 University Physics I	5	PHYS 2310	PHYS 2410
	CIS 260 Introduction to Programming	4	IPMT 2650	ITCS 1820 and 2820
	ENG 102 English II	3	ENG 1020 or 2151	ENGL 1120 or 1121
	MTH 182 Calculus II	4	MATH 1620	MATH 2600
	CSC 121 Career Orientation Optional (required for co-op)	1		MTHM 182
	<u>17</u>	33		
Year 2				
Fall				
	MTH 284 Matrices for Engineers	2	MATH 2410	MATH 2800
	ESC 250 Differential Equations for Engineers	3	MATH 2520	MATH 2850
	PHY 242 University Physics II	5	PHYS 2320	PHYS 2420
	EEC 310 Electric Circuits I	4		PHYC 252
	CIS 265 Data Structures and Algorithms	4	ITMP 2660	ITCS 2870
	<u>18</u>	51		
Spring				
	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		
	<u>18</u>	69		
Year 3				
Fall				
	EEC 316 Electronic Devices Lab	1		
	EEC 380 Digital Systems	4		
	CIS Architecture & OS	4		
	MTH 220 Discrete Mathematics	4	MATH 2010	MTHM 270
	Gen Ed Elective	3		
	Gen Ed Elective	3		
	<u>19</u>	88		
Spring				
	EEC 381 Digital Systems Lab	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		
	<u>18</u>	106		
Year 4				
Fall				
	EEC 480 Modern Digital Design	4		
	EEC 481 Digital Systems Lab II	2		
	EEC 484 Computer Networks	4		
	EEC 485 High Performance Architecture	4		
	EEC Tech. Elective	4		
	<u>18</u>	124		
Spring				
	EEC 482 Computer Engineering Lab	2		
	EEC 490 Senior Design	4		
	EEC Tech. Elective	4		
	EEC Tech. Elective	4		
	Gen Ed Elective	3		
	<u>17</u>	141		

*All equivalent community college course work must be completed before transferring to CSU. Talk to your advisor for further details.