Cleveland State University
Washkewicz College of Engineering

Bachelor of Science

Computer Science

Recommended Sequence

Cleveland State University
Washkewicz College of Engineering
Bachelor of Science
Computer Science EFFECTIVE FALL 2015
Recommended Sequence

First Year								
Fall Semester	**Credits**	**Major**	**Gen Ed**		**Spring Semester**	**Credits**	**Major**	**Gen Ed**
ENG 101 English I	3		*W/C*		ENG 102 English II	3		*W/C*
MTH 181 Calculus I	4		*M/QL*		MTH 182 Calculus II	4		*M/QL*
CHM 261 General Chemistry	3	X	*NS*		PHY 243 University Physics I (Writing)	5	X	*NS/WAC*
CHM 266 General Chemistry Lab 1	1		*NS*		CIS 151 Invitation to Computing	3	X	
ESC 100 Orientation	1		*INTRO*		CSC 121 Career Orientation*	1		
ESC 120 Introduction to Engineering Design	2							
Semester Total	14				*Semester Total*	16		

Second Year								
Fall Semester	**Credits**	**Major**	**Gen Ed**		**Spring Semester**	**Credits**	**Major**	**Gen Ed**
CIS 260 Introduction to Programming	4	X			CIS 265 Data Structures	4	X	
PHY 244 University Physics II (Writing)	5	X	*NS/WAC*		MTH 288 Linear Algebra	3	X	
ESC 310 Engineering Probability & Statistics	3	X	*M/QL*		PHL 215 Engineering Ethics	3	X	*WAC*
MTH 220 Intr. to Discrete Mathematics	3	X			Gen Ed Elective _____	3		
					ESC 282 Engineering Economy	3	X	*SS*
Semester Total	15				*Semester Total*	16		

Third Year								
Fall Semester	**Credits**	**Major**	**Gen Ed**		**Spring Semester**	**Credits**	**Major**	**Gen Ed**
CIS 335 Language Processors	3	X			CIS 345 Operating Systems	3	X	
CIS 340 Systems Programming	3	X			CIS 480 Introduction to Computer Architecture	3	X	
CIS 390 Introduction to Algorithms	3	X			CIS 434 Software Engineering	3	X	
EEC 414 Writing in ECE	2	X			CIS 430 Database Concepts	3	X	
CIS 424 Programming Languages	3				Gen Ed Elective _____	3		
Gen Ed Elective _____	3							
Semester Total	17				*Semester Total*	15		

Fourth Year								
Fall Semester	**Credits**	**Major**	**Gen Ed**		**Spring Semester**	**Credits**	**Major**	**Gen Ed**
EEC 493 Senior Design I	2	X	*CAP/WAC*		EEC 494 Senior Design II	3	X	*CAP/WAC*
CS Core Choice _____	3	X			CS Core Choice _____	3	X	
CS Core Choice _____	3	X			CS Major Elective _____	3	X	
CS Core Choice _____	3	X			CS Major Elective _____	3	X	
CS Major Elective _____	3	X			Gen Ed Elective _____	3		
CS Major Elective _____	3	X						
Apply for Spring graduation prior to Sep 9th								
Semester Total	17				*Semester Total*	15		
Degree Total hours: 125								