Cleveland State University
Washkewicz College of Engineering

Bachelor of Science in Computer Science (Co-op)

Name:_____ **I.D. No:**_____

Curriculum Sheet (Effective Fall 2015)

Fall Semester	Credits	Grade	Spring Semester	Credits	Grade	Summer Semester	Credits	Grade
ENG 101 English I	3		ENG 102 or ESC 102 Writing	3				
MTH 181 Calculus I	4		MTH 182 Calculus II	4				
CHM 261 General Chemistry I	3		PHY 243 University Physics I (Writing)	5				
CHM 266 General Chemistry I Lab	1		CIS 151 Invitation to Computing	3				
ESC 100 New Student Orientation	1		ESC 130 Engineering Co-Op Orientation	1				
ESC 120 Intro to Engineering Design	2							
Semester Total	*14*		*Semester Total*	*16*		*Semester Total*		

Second Year								
Fall Semester	**Credits**	**Grade**	**Spring Semester**	**Credits**	**Grade**	**Summer Semester**	**Credits**	**Grade**
PHY 244 University Physics II	5		CIS 265 Data Structures	4		ESC300 or ESC400 Co-Op	1	
CIS 260 Introduction to Programming	4		MTH 288 Linear Algebra	3				
ESC 310 Eng. Stat & Probability	3		General Education Elective	3				
MTH 220 Intr. To Discrete Mathematics	3		General Education Elective	3				
			PHL 215 Engineering Ethics	3				
Semester Total	*15*		*Semester Total*	*16*				

Third Year								
Fall Semester	**Credits**	**Grade**	**Spring Semester**	**Credits**	**Grade**	**Summer Semester**	**Credits**	**Grade**
CIS 335 Languages Processors	3		ESC300 or ESC400 Co-Op	1		General Education Elective	3	
CIS 340 Systems Programming	3					General Education Elective	3	
CIS 390 Introduction to Algorithms	3					ESC 282 Engineering Economy	3	
CIS 424 Programming Languages	3							
EEC 414 Technical Communication	2							
Semester Total	*14*		*Semester Total*			*Semester Total*	*9*	

Fourth Year								
Fall Semester	**Credits**	**Grade**	**Spring Semester**	**Credits**	**Grade**	**Summer Semester**	**Credits**	**Grade**
ESC300 or ESC400 Co-Op	1		CIS 480 Introduction to Computer Arch.	3		ESC300 or ESC400 Co-Op	1	
			CIS 434 Software Engineering	3				
			CIS 430 Database Concepts	3				
			CIS 345 Operating Systems	3				
Semester Total			*Semester Total*	*12*		*Semester Total*		

Fifth Year								
Fall Semester	**Credits**	**Grade**	**Spring Semester**	**Credits**	**Grade**	**Summer Semester**	**Credits**	**Grade**
EEC 493 Senior Design I	2		EEC 494 Senior Design II	3				
CS Core Choice	3		CS Core Choice	3				
CS Core Choice	3		CS Core Choice	3				
CS Major Elective	3		CS Major Elective	3				
CS Major Elective	3		CS Major Elective	3				
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Semester Total	*14*		*Semester Total*	*15*		*Semester Total*		
Degree Total: 124 hours (excluding ESC130 and ESC300/400)								