

Cleveland State University
Washkewicz College of Engineering and College of Arts & Sciences
Bachelor of Science in Computer Science and Music (Effective Fall 2025)

First Year								
Fall Semester	Credits	Major	CC	Spring Semester	Credits	Major	CC	
ENG 100 Intensive College Writing or ENG 101 College Writing I	3		FYV	ENG 102 College Writing II or ESC 102 Technical Writing	3			RPW
MTH 148 Business Math I or MTH 181 Calculus I	3 or 4		FQR	MTH 149 Business Math II or MTH 182 Calculus II	4			DDL/ FQR
Human Culture and Creativity (CC)	3		HCC	CIS 260 Introduction to Programming	4	X		
CIS 151 Invitation to Computing	3	X		Science Inquiry (CC)	3			SI
Inquiry Launch (CC)	3		IL	Science Investigations (CC)	1			SIL
Semester Total	15 or 16			Semester Total	15			

Second Year								
Fall Semester	Credits	Major	CC	Spring Semester	Credits	Major	CC	
CIS 265 Data Structures & Algorithms	4	X		Society and Human Behavior (CC)	3			SHB
MUA Lesson or MUS Ensemble	1	X		MUS 428 Music and Media	3	X		
MUS 427 Music Production	3	X		MUA Lesson or MUS Ensemble	1	X		
MTH 220 Intro to Discrete Math	3			Science Inquiry (CC)	3			SI
MUS 235 Harmony/Form/Technique Jazz/Pop I	3	X		MUS 236 Jazz & Pop Harmony & Form II	3	X		
ESC 130 Engineering & Computer Science Career Preparation*	1			American Civic Literacy (CC)	3			ACL
Semester Total	15			Semester Total	16			

Third Year								
Fall Semester	Credits	Major	CC	Spring Semester	Credits	Major	CC	
CIS 340 Systems Programming	3	X		CIS 345 Operating Systems	3	X		
CIS 390 Introduction to Algorithms	3	X		CIS 434 Software Engineering	3	X		
MUS 117 Keyboard Skills	2	X		MUS 118 Keyboard Skills	2	X		
MUS 412 Music History II	3	X	WAC	MUA Lesson or MUS Ensemble	1	X		
CIS 402 CS Technical Writing	2	X	WAC	General Elective	3			
General Elective	3			General Elective	3			
Semester Total	16			Semester Total	15			

Fourth Year								
Fall Semester	Credits	Major	CC	Spring Semester	Credits	Major	CC	
CIS 424 Programming Languages	3	X		CIS 492 Special Topics in Computer Science	3	X		CAP
Advanced Music Elective	3	X		Advanced Music Elective	3	X		
MUA Lesson or MUS Ensemble	1	X		Complexities of Pluralistic Society (CC)	3			CPS
Global Human Perspectives (CC)	3		GHP	General Elective	3			
General Elective	3			General Elective	1			
General Elective	3							
Semester Total	16			Semester Total	13			

Total Degree Hours: 121-122 including optional 1 credit ESC 130 course

*ESC 130 Engineering & Computer Science Career Preparation is an optional course for the interested students

The plan above is a suggested guide to ensure that all Core Curriculum, College, University, and Major requirements are met within 4 years of study. Students may deviate from the suggested placement of Core Curriculum courses, although some requirements need to be completed during the first year.

Students must have a **minimum of 121 (or 122 including ESC 130) total credit hours.**

Core Curriculum Key:		
IL = Inquiry Launch	HCC = Human Culture and Creativity	SI = Scientific Inquiry
FYV = Finding Your Voice	GHP= Global Human Perspectives	SIL = Scientific Investigations Lab
RPW = Research & Professional Writing	WAC = Writing Across the Curriculum Req	CPS = Complexities of Pluralistic Society
ACL = American Civic Literacy	CAP = Capstone Requirement	DDL= Data & Digital Literacy
FQR = Formal & Quantitative Literacy	SHB = Society & Human Behavior	

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