Cleveland State University
Washkewicz College of Engineering and College of Arts & Sciences
Bachelor of Science Computer Science and Music
Computer Science + Music Degree Map (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			African American History and Culture (CC)	3		AAHC
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		Diversity in Society (CC)	3		DS
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 General Education, College, University, and Major requirements are met within 4 years of study. Students may deviate from the suggested placement of Gen Ed courses, although the M/QL and W/C requirements need to be completed during the first year.

General Electives ensure that a student accumulates the minimum credit hour totals needed for graduation. Students must have a **minimum of 120 total credit hours**. Depending upon elective choices made, students may not need as many electives as indicated above or may need additional electives.

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	DS = Diverse Society
AAHC = African-American History and Culture	CAP = Capstone Requirement	DDL= Data & Digital Literacy
FQR = Formal & Quantitative Literacy	SHB = Society & Human Behavior	

Last Updated February 8 2025