Carnegie Mellon University

Updated Fall 2025

**School of Music** 

Degree Path: Bachelor of Science in Music and Technology (Technical Concentration)

Students should consult with the Senior Academic Advisor to ensure successful and on-time degree completion.

Consult with the Senior Academic Advisor, Faculty Advisor(s), and/or instructors of record about appropriate course sections where necessary.

FIRST-YEAR FALL (must be completed as indicated below)				FIRST-YEAR SPRING				
	#	Course Title	Units		#	Course Title		Units
1	15112	Fundamentals of Programming and CS	12	1	15122	Principles of Imperative Computation		12
2	57101	Introduction to Music Technology	6	2	21127	Concepts of Mathematics (15122 co-req)		12
3	57149/152	Basic Harmony I or Harmony I	9	3	57150/153	Harmony II or Basic Harmony II		9
4	57161	Eurhythmics I	3	4	57162	Eurhythmics II		3
5	57180/181/185	Basic Solfege I, Solfege I, or Advanced Solfege I	3	5	57182/186	Solfege II or Advanced Solfege II		3
6	57189	Intro to Repertoire & Listening for Musicians	3	6	57438	Multitrack Recording		9
7	57337	Sound Recording	6	7	57570	Music & Technology Seminar		1
8	57338	Editing and Mastering	6	8	761XX	First-Year Writing Course		9
9	57570	Music & Technology Seminar	1					
10	99101	Core@CMU	3					
		TOTA	L 52		•		TOTAL	58

SECOND-YEAR FALL				SECOND-YEAR SPRING				
	#	Course Title		Units		#	Course Title	Units
1	21120	Differential and Integral Calculus		10	1	15213	Introduction to Computer Systems	12
2	33141	Physics I for Engineering Students		12	2	15322	Introduction to Computer Music	9
3	57151	Counterpoint in Theory and Application		6	3	18100	Introduction to Electrical and Computer Engineering	12
4	57173	Survey of Western Music History		9	4	33114	Physics of Musical Sound	9
5	57183/487	Solfege III or Advanced Solfege III		3	5	57184/488	Solfege IV or Advanced Solfege IV	3
6	57570	Music & Technology Seminar		1	6	57190	Repertoire & Listening for Musicians I	3
7	XXXXX	Elective		9	7	57408	Form and Analysis	6
					8	57570	Music & Technology Seminar	1
			TOTAL	50			TOTA	L 55

Carnegie Mellon University

Updated Fall 2025

**School of Music** 

Degree Path: Bachelor of Science in Music and Technology (Technical Concentration)

THIRD-YEAR FALL			THIRD-YEAR SPRING			
#	Course Title	Units		#	Course Title	Units
1 18202	Mathematical Foundations of Electrical Engineering	12	1	18220	Electronic Devices and Analog Circuits (33142 co-req)	12
<i>2</i> 57257	Orchestration I	6	2	18290	Signals and Systems	12
<i>3</i> 57289	Repertoire & Listening for Musicians II	3	3	21122	Integration and Approximation (33142 co-req)	10
<i>4</i> 57347	Electronic and Computer Music	6	4	33142	Physics II for Engineering and Physics Students	12
<i>5</i> 57570	Music & Technology Seminar	1	5	57258	20th-21st Century Techniques	6
6 XXXXX	Global, Cultural, and Diverse Perspectives Course*	9	6	57290	Repertoire & Listening for Musicians III	3
7			7	57570	Music & Technology Seminar	1
·	TOTAL	_ 37		•	TOTA	L 56

<sup>\*</sup> For Global, Cultural, and Diverse Perspectives, the following courses qualify:

Any History course 79-100 or higher or

Any English course 76-200 or higher or

Any Modern Languages course 82-100 or higher

FOURTH-YEAR FALL				FOURTH-YEAR SPRING					
	#	Course Title	ı	Units		#	Course Title	Units	
1	18240	Structure and Design of Digital Systems		12	1	152XX/183XX	Elective in ECE or CS	12	
2	57570	Music & Technology Seminar		1	2	57570	Music & Technology Seminar	1	
3	57571	Music and Technology Project		12	3	57571	Music and Technology Project	12	
4	XXXXX	Elective		9	4	XXXXX	Elective	9	
5	XXXXX	Cognition, Choice, and Behavior Course		9	5	XXXXX	English, History, Languages, Philosophy, Psych Course	9	
			TOTAL	43				43	

MINIMUM UNITS REQUIRED FOR MAJOR 394