Carnegie Mellon University
Music

Carnegie Mellon
SCHOOL OF COMPUTER SCIENCE

Electrical & Computer ENGINEERING

MUSIC AND TECHNOLOGY MAJOR (undergraduate) 2018

When?	Grade?			
Music Core				**81**
___	___	57-152	Harmony I	6
___	___	57-153	Harmony II	6
___	___	57-151	Counterpoint in Theory and Application	6
___	___	57-408	Form and Analysis	6
___	___	57-258	20th – 21st Century Techniques	6
___	___	57-257	Orchestration I	6
___	___	57-189	Intro Repertoire & Listening for Musicians	3
___	___	57-190	Repertoire & Listening for Musicians I	3
___	___	57-289	Repertoire & Listening for Musicians II	3
___	___	57-290	Repertoire & Listening for Musicians III	3
___	___	57-181	Solfege I	3
___	___	57-182	Solfege II	3
___	___	57-183	Solfege III	3
___	___	57-184	Solfege IV	3
___	___	57-161	Eurhythmics I	3
___	___	57-162	Eurhythmics II	3
___	___	57-173	Survey of Western Music History	9

Students complete either the Music Concentration or the Technical Concentration.

Music Concentration				**60**
___	___	57-5xx	Studio *(4 semesters)*	36
___	___	57-417 *or* 57-418	Major Ensemble *(4 semesters)*	24

Technical Concentration				**57 *or* 55**
___	___	21-127	Concepts of Mathematics	9
___	___	15-213/18-213	Introduction to Computer Systems	12
		And		
		EITHER		
___	___	18-220	Electronic Devices and Analog Circuits	12
___	___	18-240	Structure and Design of Digital Systems	12
___	___	15-2xx/18-3xx *or above*	Electives in ECE or CS	12
		OR		
___	___	15-128	CS Freshman Immigration Course	1
___	___	15-210	Parallel and Sequential Data Structures and Algorithms	12
___	___	15-323	Computer Music Systems and Info Proc	9
___	___	15-2xx/18-3xx *or above*	Electives in ECE or CS	12

When?	Grade?			
Music and Technology Core				**121**
___	___	15-110	Principles of Computing *OR*	10
___	___	15-112	Fundamentals of Programming and CS	10
___	___	15-122	Principles of Imperative Computation	9
___	___	15-322	Introduction to Computer Music	9
___	___	18-100	Introduction to ECE	12
___	___	18-202	Math Foundations of EE	12
___	___	18-290	Signals and Systems	12
___	___	57-101 *or* 57-171	Intro to Music Technology	6
___	___	57-347	Electronic and Computer Music	6
___	___	57-337	Sound Recording	6
___	___	57-338	Editing and Mastering	6
___	___	57-438	Multitrack Recording	9
___	___	57-571	Music and Technology Project	12
___	___	57-572	Music and Technology Project	12

General Requirements **81-85**

Seminar

Candidates for the School of Music Bachelor of Science degree in music and technology are required to pass Music & Technology Seminar every semester of residence in the School of Music. At least four semesters of residence in the undergrad music and technology major are required.

___	___	57-570	Music & Technology Seminar	4-8

University

___	___	99-101	Computing @ Carnegie Mellon	3
___	___	76-101/106/107/108	*First Year Writing Course*	9
___	___	79-104	Introduction to World History	9

Humanities

___	___	xx-xxx	*Cognition, Choice, and Behavior course*	9
___	___	xx-xxx	*English, History, Modern Languages, Philosophy, or Psychology Course*	9

Mathematics

___	___	21-120	Differential and Integral Calculus	10
___	___	21-122	Integ, Diff Equations, Approximations	10

Science

___	___	33-114	Physics of Musical Sound	9
___	___	33-141	Physics for Engineering Students	9

Electives			**33-42**
___	___	_____	___
___	___	_____	___
___	___	_____	___
___	___	_____	___
___	___	_____	___
___	___	_____	___

TOTAL UNITS: 380