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 Interpretation and Argument		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