

MUSIC AND TECHNOLOGY MAJOR (undergraduate) 2018

When? Grade?

<u>Music Core</u>			<u>81</u>
___ ___	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	20 th – 21 st 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.

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

<u>Technical Concentration</u>			<u>57 or 55</u>
___ ___	21-127	Concepts of Mathematics	9
___ ___	15-213/18-213	Introduction to Computer Systems	12

And

<i>EITHER</i>			
___ ___	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
<i>OR</i>			
___ ___	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?

<u>Music and Technology Core</u>			<u>121</u>
___ ___	15-110	Principles of Computing <i>OR</i>	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

<u>General Requirements</u>			<u>81-85</u>
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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
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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
___ ___	33-106	Physics for Engineering Students	9

<u>Electives</u>			<u>33-42</u>
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TOTAL UNITS: 380