

## ***MUSIC AND TECHNOLOGY MAJOR (undergraduate) 2018***

When? Grade?

<u>Music Core</u>		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 20 <sup>th</sup> – 21 <sup>st</sup> 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>		60
— —	57-5xx Studio (4 semesters)	36
— —	57-417 or 57-418 Major Ensemble (4 semesters)	24

<u>Technical Concentration</u>		57 or 55
— —	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>		121
— —	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>		81-85
<u>Seminar</u>		

*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 Sound and Music Computing Seminar	4-8
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<u>University</u>		
— —	99-101 Computing @ Carnegie Mellon	3
— —	76-101/106/107/108 Interpretation and Argument	9
— —	79-104 Global Histories	9

<u>Humanities</u>		
— —	xx-xxx Cognition, Choice, and Behavior course	9
— —	xx-xxx English, History, Modern Languages, Philosophy, or Psychology Course	9

<u>Mathematics</u>		
— —	21-120 Differential and Integral Calculus	10
— —	21-122 Integration and Approximation	10

<u>Science</u>		
— —	33-114 Physics of Musical Sound	9
— —	33-141 Physics I for Engineering Students	9

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