



BACHELOR OF SCIENCE IN SOUND ENGINEERING
Silent Advisor 2019 – 2020

SMTD Requirements			Credits
Music Theory:	Aural I	139	1
	Written I	149	2
	Aural II	140	1
	Written II	150	2
	Aural III	239 ¹	1
	Written III	249 ¹	2
	Aural IV	240 ¹	1
	Written IV	250 ¹	2

2 courses in Musicology		4-6
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Piano:	111	2
	112	2

PAT Requirements			Credits
PAT: Seminar in Media Arts	101	3	
Acoustics and Psychoacoustics	102	3	
Intro to Computer Music	201	3	
Computer Music Programming and Arranging	202	3	
Creative Coding for Music	204	3	
Sound Reinforcement	280	1	
Sound Recording and Production I	331	3	
Sound Recording and Production II	332	3	
Sound For Theatre	380	2	
PAT Seminar (<i>elected each term</i>)	400	0.5	
Technical Ear Training and Critical Listening	422	3	
Contemporary Practices in Studio Production I	431	3	
Contemporary Practices in Studio Production II	432	3	

Senior Thesis (PAT 490) or EECS 452 (Design Lab)		
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Non-SMTD Requirements		Credits
English 124, 125 (College Writing), or equivalent		4
English 225 (Academic Argumentation) or Upper Level Writing course approved by Sweetland Writing Center		3-4

Engineering Requirements			Credits
Math:	Calculus I	115	4
	Calculus II	116	4
	Intro Differential Equations	216	4
	Physics I	140	4
	Elementary Lab I	141	1
	General Physics/Honors	240/ 260	4
	Elementary Lab II	241	1
EECS:	Intro Electronic Circuits	215	4
	Intro Signals and Systems	216	4
	Programming and Data Structures	280	4
	Digital Signal Processing & Analysis	351	4
	Digital Signal Processing Design Lab	452	4

Engineering 101 (Intro Programming) or one Computer Programming course to be chosen in consultation with PAT or EECS Advisor

Minimum Total Credits Required: 120

¹Jazz 220 can be taken in place of Theory 239 and 249. Jazz 221 can be taken in place of Theory 240 and 250.

²Selecte from Jazz 460, 467, 470, 479, or a 400 level Musicology or Theory elective.

**This term layout is provided as a guideline only.
The sequence of elections and credits may vary based on individual circumstances.
For more specific information, see an Advisor.**

FALL TERM

FIRST YEAR

Course Elections	Credits
PAT 400 (<i>Seminar</i>)	0.5
Theory 139 (<i>Aural I</i>)	1
Theory 149 (<i>Written I</i>)	2
Piano 111	2
PAT 101 (<i>Seminar</i>)	3
PAT 201 (<i>Intro</i>)	3
English 124/125/equiv (<i>College Writing</i>)	4
Credit Total	15.5

SECOND YEAR

Course Elections	Credits
PAT 400 (<i>Seminar</i>)	0.5
Theory 239 (<i>Aural III</i>)	1
Theory 249 (<i>Written III</i>)	2
PAT 331 (<i>Sound Recording I</i>)	3
Math 115 (<i>Calculus I</i>)	4
Computer Programming	4
Credit Total	14.5

THIRD YEAR

Course Elections	Credits
PAT 400 (<i>Seminar</i>)	0.5
Musicology Elective	2-3
PAT 280 (<i>Sound Reinforcement</i>)	1
Math 216 (<i>Differential Equations</i>)	4
Physics 240 (<i>General Physics</i>)	4
Physics 241 (<i>Lab II</i>)	4
EECS 215 (<i>Intro Circuits</i>)	1
	4
Credit Total	16.5-17.5

FOURTH YEAR

Course Elections	Credits
PAT 400 (<i>Seminar</i>)	0.5
PAT 422 (<i>Ear Training</i>)	3
PAT 431 (<i>Contemporary Practices I</i>)	3
PAT 380 (<i>Sound for Theatre</i>)	2
EECS 351 (<i>Digital Processing</i>)	4
Elective	3
Credit Total	15.5

WINTER TERM

Course Elections	Credits
PAT 400 (<i>Seminar</i>)	0.5
Theory 140 (<i>Aural II</i>)	1
Theory 150 (<i>Written II</i>)	2
Piano 112	2
PAT 102 (<i>Acoustics</i>)	3
PAT 202 (<i>Computer Music</i>)	3
PAT 204 (<i>Creative Coding for Music</i>)	3
Credit Total	14.5

Course Elections	Credits
PAT 400 (<i>Seminar</i>)	0.5
Theory 240 (<i>Aural IV</i>)	1
Theory 250 (<i>Written IV</i>)	2
PAT 332 (<i>Sound Recording II</i>)	3
Math 116 (<i>Calculus II</i>)	4
Physics 140 (<i>Physics I</i>)	4
Physics 141 (<i>Lab I</i>)	1
Credit Total	15.5

Course Elections	Credits
PAT 400 (<i>Seminar</i>)	0.5
Musicology Elective	2-3
EECS 216 (<i>Signals & Systems</i>)	4
EECS 280 (<i>Prog and Data Structures</i>)	4
Upper Level Writing	4
Credit Total	14.5-15.5

Course Elections	Credits
PAT 400 (<i>Seminar</i>)	0.5
PAT 432 (<i>Contemporary Practices II</i>)	3
PAT 490 (<i>Senior Thesis</i>)	3
EECS 452 (<i>Digital Processing</i>)	4
Elective	3
Credit Total	13.5