

DAT Degree Plans

Audio Engineering Degree Plan – 128 credits

First Term				
✓	Class	Title	Cr	Prerequisite
	ENG100	English Composition	3	ENG050 or Placement Test
	MATH143	Calculus I	4	MATH116 or placement exam
	SWE110	C. Programming	4	High School Algebra
	DAT110	Desktop Production Fundamentals	3	None
	HUM122 or HUM125	World Music or Western Music	3	None
Second Term				
✓	Class	Title	Cr	Prerequisite
	HUM120 or HUM130	History of Western Art or Modern Art History	3	None
	MATH144	Calculus II	3	MATH133
	SCI145	Physics I	4	MATH133
	DAT115	Desktop Audio Production	3	DAT100
	ENG228 or ENG227	Creative Writing Scriptwriting	3	ENG100, HUM120 or 130, HUM122 or 125
Third Term				
✓	Class	Title	Cr	Prerequisite
	SSC200	U.S. Government	3	ENG100
	HUM200	History of the Modern World	3	ENG100
	SCI245	Physics II	4	SCI145
	DAT220	Studio Recording I	3	DAT115
	DAT210	Sound Synthesis and Orchestration	3	DAT115
Fourth Term				
✓	Class	Title	Cr	Prerequisite
	HUM227 or HUM230	Film History or History of Animation	3	ENG100
	ELE270	Electric Circuits	4	MATH134, SCI245
	SCI999	Physics Elective	3	SCI145
	PENG240	Applied Probability and Random Processes	3	MATH 143 for DAT students
	DAT280	Portfolio Preparation	3	DAA109, DAT210

Audio Engineering Degree Plan Continued

Fifth Term				
✓	Class	Title	Cr	Prerequisite
	ELE350	Digital Circuits I: Design	4	SCI245
	DAT310	Digital Orchestration	3	DAT280, Upper Division
	DAT320	Studio Recording II	3	DAT 220, Upper Division
	SWE310	Data Structures	4	SWE110
	ELE312	Signals and Systems	3	ELE270
Sixth Term				
✓	Class	Title	Cr	Prerequisite
	HUM361	Contemporary Ethical Issues	3	HUM200, SSC200, ENG227 or ENG228
	DAT330	Principles of Digital Audio	3	MATH120 (MATH133 for Audio Eng track)
	SWE315	Object-Oriented Programming	4	SWE310
	ENG310 or ENG320	Western Drama or World Drama	3	ENG227 or ENG228, HUM127 or HUM230
	DAT360	Digital Signal Processing	3	ELE312
Seventh Term				
✓	Class	Title	Cr	Prerequisite
	HUM400	GE Capstone Research Project	3	ENG310 or ENG320, SSC332, HUM361, senior status
	DAT335	Music Perception and Cognition	3	SCI220
	DAT365	Digital Filter Design	4	DAT360
	DAT450 or DAT460	Audio Software Development or Digital Audio Electronics	3	DAT450: SWE310 DAT460: DAT210, ELE350
	DAT480	Portfolio I	3	DAT314 or DAT316, DAT324 or DAT326
Eighth Term				
✓	Class	Title	Cr	Prerequisite
	SSC332	Global Political Economics	3	HUM200, SSC200
	Electives	Upper Division DAT Elective	4	Upper division status
	Electives	Upper Division DAT/ELE/SWE Electives	4	Upper division status
	DAT485	Portfolio II	3	DAT480