DAT Audio Software Development & Engineering
Degree Plan 2018

	Course Prefix	Course Title	Credits	Prerequisites
	Remedial Courses			
	MATH003	Intermediate Algebra	**3	None
	ENG050	Grammar and Composition	**3	None
	***Additional Math Course**			
	MATH116	Pre-Calculus	***4	Placement Test or MATH003
	First Academic Year (Fall, Spring, Summer)			
	DAT110	Desktop Production Fundamentals	3	None
	ENG100	English Composition	3	Placement Test or ENG050
	MATH143	Calculus 1	4	Placement Test or MATH116
	DAT120	Introduction to the Techniques of Digital Signal Processing	3	MATH116
	General Education Course	Please see General Education	3	As Required
	DAT115	Desktop Audio Production	3	
	CS110	C Programming	4	MATH115 or MATH116
	MATH145	Calculus 2	4	MATH143
	SCI145	College Physics 1	4	MATH143
	General Education Course	Please see General Education	3	As Required
	General Education Course	Please see General Education	3	As Required
	Second Academic Year (Fall, Spring, Summer)			
	DAT210	Digital Sound Synthesis	3	DAT115
	DAT212	Introduction to Game Audio	3	DAT115
	DAT220	Studio Production 1	3	DAT115
	MATH245	Calculus 3	3	MATH145
	General Education Course	Please see General Education	3	As Required
	CS285	C++ Programming: Object-Oriented Programming	4	CS110
	CS295	Data Structures and Algorithms	4	CS110 or CS285
	DAT320	Studio Production 2	3	DAT220
	MATH240	Applied Probability and Random Processes	3	MATH145
	General Education Course	Please see General Education	3	As Required
	General Education Course	Please see General Education	3	As Required
	Third Academic Year (Fall, Spring, Summer)			
	SCI245	College Physics 2	4	SCI145
	DAT360	Digital Signal Processing	3	MATH245
	DAT335	Music Perception & Cognition	3	SCI145
	DAT350	Audio Programming	3	CS285
	General Education Course	Please see General Education	3	As Required
	General Education Course	Please see General Education	3	As Required
	CS340	Software Engineering Methods and Project 1	3	CS285

	DAT366	Digital Audio Filters	3	DAT360
	General Education Course	Please see General Education	3	As Required
	Elective	Elective	3	As Required
	MATH346	Applied Differential Equations	3	MATH145
Fourth Academic Year (Fall, Spring)				
	DAT450	Audio Software Development	3	DAT360
	DAT475	Audio Software Development Collaborative Project	3	CS340
	DAT481	Audio Engineering Project 1	3	DAT350
	General Education Course	Please see General Education	3	As Required
	DAT487	Audio Engineering Project 2	3	DAT481
	Elective	Elective or Internship	3	As Required
	Elective	Elective or Internship	3	As Required
	General Education Course	Please see General Education	3	As Required