

BS in Digital Audio Technology (DAT) Curriculum
Audio Software Development and Engineering Concentration

Digital Audio Technology Core Courses - 21 Credits

Course Number	Course Name	Credits
DAT110	Desktop Production Fundamentals	3
DAT115	Desktop Audio Production	3
DAT210	Digital Sound Synthesis	3
DAT212	Introduction to Game Audio	3
DAT220	Studio Production 1	3
DAT320	Studio Production 2	3
DAT335	Music Perception & Cognition	3

Audio Software Development Concentration Courses - 24 credits

Course Number	Course Name	Credits
DAT120	Introduction to the Techniques of Digital Signal Processing	3
DAT350	Audio Programming	3
DAT360	Digital Signal Processing	3
DAT366	Digital Audio Filters	3
DAT450	Audio Software Development	3
DAT475	Audio Software Development Collaborative Project	3
DAT481	Audio Engineering Project 1	3
DAT487	Audio Engineering Project 2	3

Engineering Concentration Courses - 15 Credits

CS110	C Programming	4
CS285	C++ Programming: Object Oriented Programming	4
CS295	Data Structures and Algorithms	4
CS340	Software Engineering Methods and Project 1	3

Mathematics and the Sciences Core Courses - 13 Credits

MATH145	Calculus 2	4
MATH240	Applied Probabilities and Random Processes	3
MATH245	Calculus 3	3
MATH346	Applied Differential Equations	3

Electives - 9 credits		
Course Number	Course Name	Credits
Elective	Elective or Internship	3
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Elective	Elective	3
General Education Courses for Non-Engineering Majors - 48 credits		
Total 130 Credits		

**Remedial classes are required when a placement test is not passed.*

*** Remedial class credits are not counted towards earning a degree.*