Audio Engineering, Undergraduate Certificate

Visit the Digital Media Department page (https://www.uvu.edu/digitalmedia/) for more information on the program and access to advising.

Program Description

The Audio Engineering, Undergraduate Certificate is a mid-level certificate intended for students who want to build on their previous knowledge of audio and expand in the directions of audio programming and electrical engineering as it applies to audio. Students will learn the basic skills necessary to design audio hardware and software such as direct boxes (DI), preamps, software plugins and other applications. It is expected that students already be familiar with basic audio tools such as Digital Audio Workstation (DAW), compressors, Equilizer's (EQ), time-based effects, etc.

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		**27**
Discipline Core Requirements		**21 Credits**
MAT 1030	Quantitative Reasoning (or higher)	3
or MAT 1035	Quantitative Reasoning with Integrated Algebra	
DAPR 2250	Audio Hardware Basics	3
DAPR 2255	Audio Hardware I	3
DAPR 3255	Audio Hardware II	3
DAPR 3230	Audio Plugin Development I	3
DAPR 3235	Audio Plugin Development II	3
DAPR 3280	Signal Processing for Audio	3
Elective Requirements		**6 Credits**
Complete at least 6 credits from the following:		6
DAPR 3580	Live Sound Reinforcement (3)	
DAPR 3240	Advanced Audio Restoration and Forensics (3)	
DAPR 3340	Spatial Audio I (3)	
DAPR 3345	Spatial Audio II (3)	
DAPR 2300	Sound for Games I (3)	
DAPR 3300	Sound for Games II (3)	
DAPR 2110	Production Sound for Cinema (3)	
DAPR 2170	Sound Design for Visual Media I (3)	
DAPR 2171	Sound Design for Visual Media II (3)	
DAPR 3170	Post-Production Sound for Cinema I (3)	
DAPR 3171	Post-Production Sound for Cinema II (3)	
DAPR 3430	Recording Studio Design Principles and Practices (3)	
DAPR 3060	Producing Audio (3)	
DAPR 3030	Digital Audio Workstation Training III (3)	
DAPR 3031	Digital Audio Workstation Training IV (3)	

Graduation Requirements

Graduation Requirements

1. Completion of a minimum of 27 credits.
2. Residency hours--minimum of 9 credit hours through course attendance at UVU.
3. Students must have a minimum AGGREGATE GPA of 2.0 (C letter grade) or higher.
4. Students must have an individual GPA in EACH CORE COURSE in Audio Engineering, Certificate of Proficiency of 2.5 (B minus) or higher.

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (http://www.uvu.edu/wolverinetrack/).

First Year		
Semester 1		**Credit Hours**
MAT 1030	Quantitative Reasoning (or higher)	3
or MAT 1035	or Quantitative Reasoning with Integrated Algebra	
DAPR 2250	Audio Hardware Basics	3
Program Elective		3
	Credit Hours	**9**
Semester 2		
DAPR 3230	Audio Plugin Development I	3
DAPR 2255	Audio Hardware I	3
DAPR 3280	Signal Processing for Audio	3
	Credit Hours	**9**
Semester 3		
DAPR 3255	Audio Hardware II	3
DAPR 3235	Audio Plugin Development II	3
Program Elective		3
	Credit Hours	**9**
	Total Credit Hours	**27**

Program Learning Outcomes

1. Employ advanced tools and techniques to create audio hardware and software.
2. Use critical thinking to design circuits and audio centered software.
3. Create audio engineering projects that involve other students, faculty, community members and industry professionals.
4. Generate solutions to hardware and software problems in a singular and outstanding way.

Engineering technologists and technicians, except drafters, all other

- Total Positions69,500
- Field Growth4.4%
- Median Salary$73,500
- Average Openings6.3

Disc jockeys, except radio

- Total Positions21,000
- Field Growth5.1%
- Median Salary$N/A
- Average Openings2.0

Sound engineering technicians

- Total Positions18,000
- Field Growth-0.5%
- Median Salary$59,430
- Average Openings1.5