

Program Outline

Diploma in Audio Engineering & Music Production

Program Overview

Hours of Instruction:	960
Duration in Months:	12
Delivery Methods:	Instruction provided through a combination of in-class and distance delivery, including 43% synchronous and 7% asynchronous.
Language of Instruction:	English
Credentials Issued Upon Completion:	Diploma

Program Costs:	Domestic	International
Tuition:	\$27,600.00	\$33,200.00
Textbooks:	\$550.00	\$550.00
Course Materials:	\$1,500.00	\$1,500.00
Provincial Archiving Fee:	\$9.00	\$9.00
PST: (on course materials only)	\$105.00	\$105.00
Total Cost of Program:	\$29,764.00	\$35,364.00

Program Description

The Diploma in Audio Engineering and Music Production program is an intensive practical and theoretical course of study that provides students with the knowledge and skills to shape audio design and creation. Students attending this program learn both the technical and creative components of audio design and the business principles of the entertainment industry. This is a practice-based program culminating in a major capstone project that draws upon the range of knowledge and skills learned throughout the program.

Learning Objectives

Upon completion of this program, the successful student will have reliably demonstrated the ability to:

1. Develop, plan and complete an audio production within a specified time frame adopting professional work practices.
2. Demonstrate the ability to implement conceptual and theoretical principles of existing media to inform audio production practice.
3. Apply appropriate audio production methods and techniques effectively in a variety of settings using a range of hardware and software solutions.
4. Demonstrate an applied knowledge of production principles and methods integrated within a selection of audio production environments.
5. Collaborate with others to effectively plan and execute a range of responses to sometimes complex projects.
6. Effectively evaluate and reflect on the methods, processes, and outcomes of creative audio production and work practice.
7. Identify areas for improving professional performance through reflective practice.

Admissions Requirements

All Applicants:

1. Applicants must have a high school diploma, or equivalent, by the time studies begin.
2. All applicants under the age of 19 must have completed high school and submit a transcript. In addition, on their behalf, they will require the signature of a parent or guardian on the student contract.
3. Final acceptance will be based on a personal interview with the applicant to assess their aptitude, level of interest and basic computer skills.

English Proficiency:

1. All programs at SAE Institute Vancouver are conducted in English, making proficiency in the English language a requirement for enrolment.
2. The required proficiency can be demonstrated through:
 - a. Documentation of completion of a high school diploma, or equivalent, in English in a country where English is the primary language of instruction.
3. Acceptable forms of documentation are:
 - a. Copy of High School Transcript, including graduation date
 - b. Copy of High School Diploma
4. Documentation of completion of two years of full-time post-secondary education in English in a country where English is the language of instruction (from the list below).
 - a. Acceptable forms of documentation are:
 - Copy of High School Transcript, including graduation date
 - Copy of High School Diploma

The Following Countries Apply:

Australia	Bahamas	Bahamas	Belgium	Belize	Botswana	Canada	Cameroon
Denmark	Fiji	Finland	Ghana	Guyana	Ireland	Jamaica	Kenya
Lesotho	Liberia	Nigeria	Netherlands	New Zealand	Norway	Papua New Guinea	Singapore
Solomon Islands	South Africa	St. Lucia	Sweden	Tonga	Trinidad & Tobago	United Kingdom	United States
Virgin Islands	Zambia	Zimbabwe					

5. Documentation of successful completion of one of the following English Language Assessments, with minimum scores in one of the following:

Exam	Minimum Required Score
International English Language Testing System (IELTS) Academic	Overall Score of 5.5
Test of English as a Foreign Language (TOEFL) IBT	Overall Score of 46
Canadian English Language Proficiency Index Program (CELPIP)	Listening 6, Speaking 6, Reading 5 and Writing 5
Canadian Academic English Language Assessment (CAEL)	Overall Score of 40

**An acceptable form of documentation is a copy of the official assessment scores.
All international students must obtain and show proof of a valid study permit before the first day of class.**

Method of Evaluation

Course assessments include assignments, projects, quizzes and exams. Each assessment within a course is individually weighted and factored. The number, type, and weighting of assessments vary by course. Grading criteria for assessments are calculated on a percentage scale, and letter grades are awarded for each course completed.

Individual student evaluations and an audit of their grade book occur at the end of each term. This allows instructors to efficiently share instructional resources and best practices on an individual or class scale, identify successes, and/or provide early identification of students requiring additional academic support as they work toward their diploma attainment.

Program Organization				
Course Title	Number Of Hours of Instruction	Delivery Method	Delivery Description	Breakdown for Combined Courses
Term 1				
AUD100 Sound Anatomy	56	Combined in-class and Distance Learning	Synchronous for the online portion	In class: 50% Synchronous: 50%
AUD110 Foundations of Audio Engineering	48	Combined In-class and Distance Learning	Synchronous for the online portion	In class: 75% Synchronous: 25%
AUD120 Pro Tools Fundamentals	40	Combined In-class and Distance Learning	Synchronous for the online portion	In class: 50% Synchronous: 50%
EMP100 Electronic Music Production	48	Combined In-class and Distance Learning	Synchronous for the online portion	In class: 50% Synchronous: 50%
EMP110 Applied Music Theory	48	Combined In-class and Distance Learning	Combination of synchronous and asynchronous for the online portion	In class: 25% Synchronous: 62.5% Asynchronous: 12.5%
Term 2				
AUD200	40	Combined In-class and Distance Learning	Synchronous for the online portion	In class: 75% Synchronous: 25%
AUD210 Mixing	32	Combined In-class and Distance Learning	Combination of synchronous and asynchronous for the online portion	In class: 50% Synchronous: 37.5% Asynchronous: 12.5%
EMP200 Synthesis	40	Combined In-class and Distance Learning	Synchronous for the online portion	In class: 50% Synchronous: 50%
EMP210 Making Music & Producer Workflow	32	Combined In-class and Distance Learning	Synchronous for the online portion	In class: 50% Synchronous: 50%
PA200 Post Audio	48	Combined In-class and Distance Learning	Synchronous for the online portion	In class: 50% Synchronous: 50%
MB200 Music Business	48	Combined In-class and Distance Learning	Combination of synchronous and asynchronous for the online	In class: 25% Synchronous: 62.5%

			portion	Asynchronous: 12.5%
Term 3				
AP300 Audio Production (Capstone Project)	48	Combined In-class and Distance Learning	Synchronous for the online portion	In class: 50% Synchronous: 50%
AUD300 Modern Mixing & Mastering Techniques	48	Combined In-class and Distance Learning	Synchronous for the online portion	In class: 50% Synchronous: 50%
AUD310 Advanced Recording Techniques	24	Combined In-class and Distance Learning	Synchronous for the online portion	In class: 50% Synchronous: 50%
AUD320 Pro Tools for Game Audio	24	Combined In-class and Distance Learning	Synchronous for the online portion	In class: 17% Synchronous: 83%
EMP300 Technology In Performance	24	Combined In-class and Distance Learning	Synchronous for the online portion	In class: 50% Synchronous: 50%
PA300 Post Audio II	48	Combined In-class and Distance Learning	Synchronous for the online portion	In class: 50% Synchronous: 50%
LS300 Live Sound	24	Combined In-class and Distance Learning	Synchronous for the online portion	In class: 83% Synchronous: 17%
Term 4				
AUD400 Game Audio	60	Combined In-class and Distance Learning	Combination of synchronous and asynchronous for the online portion	In class: 50% Synchronous: 30% Asynchronous: 20%
AUD410 Live Sound & Lighting	60	Combined In-class and Distance Learning	Combination of synchronous and asynchronous for the online portion	In class: 50% Synchronous: 30% Asynchronous: 20%
AUD420 Studio Maintenance & Audio/Visual Technology	60	Combined In-class and Distance Learning	Combination of synchronous and asynchronous for the online portion	In class: 50% Synchronous: 30% Asynchronous: 20%
CAR400 Career Preparation	60	Combined In-class and Distance Learning	Combination of synchronous and asynchronous for the online portion	In class: 50% Synchronous: 50%

Homework Hours

Term 1: 10 -20 Hours per week | **Term 2-4:** 20+ Hours per week

Course Materials

1. Course Technology:

- a. Headphones:
 - i. Sennheiser HD 200 Pro or Audio-Technica ATH-M30x or equivalent professional monitoring headphones
- b. Software:
 - i. 1-year license: Pro Tools Studio
 - ii. 9-month license: Ableton Live Suite
 - iii. Unreal Engine by Epic Games

2. Textbooks:

- i. Pro Tools 101: Pro Tools Fundamentals I | A: Andy Hagerman | P: Avid Technologies
- ii. Pro Tools 110: Pro Tools Fundamentals II | A: Andy Hagerman | P: Avid Technologies
- iii. Pro Tools 130 for Game Audio | A: Greg DeBeers | P: Avid Technologies
- iv. Game Audio Mixing | A: Alex Riviere | P: Focal Press
- v. How to Find Work for the Rest of Your Life | A: Dr. Charles Michael Austin | P: Chas Austin
- vi. Basic Live Sound Reinforcement | A: Raven Biederman & Penny Pattison | P: Routledge
- vii. Make: Electronics, 3rd Edition | A: Charles Platt | P: Make: Community

3. Computer Equipment that is Required:

Processor (CPU): Intel Core i7 (12th Gen or newer) / AMD Ryzen 7 (or better) / Apple M1 Pro or newer

RAM: 16GB (32GB recommended for larger projects)

Storage: 512GB SSD (1TB recommended)

Screen: 15"-17"

OS Compatibility: macOS 13 or higher. Windows 11 or higher.

External SSD (\geq 1TB recommended)

Completion Requirements

In order to graduate and receive the applicable credentials, students must:

- 1. Maintain a minimum cumulative average grade of 60%.
- 2. Comply with the following policies: Attendance Policy, Satisfactory Academic Progress Policy, and Student Conduct Policy.
- 3. Fulfill all financial obligations to SAE Institute Vancouver and be in good standing with the Office of The Registrar at the time of graduation.

Career Occupations

Graduates of the program can expect to learn skills to be prepared for entry level positions in such audio careers as: Recording Artist - Music Producer - Audio Engineer - Recording Engineer - Studio Engineer - Assistant Studio Engineer - Studio Manager - Audio Post Editor - Mastering Engineer - Sound Designer - Sound Editor - Arranger/Composer - Live Sound Technician - Production Manager - Record Label - Music Editor - Audio Lead - Live Sound Engineer - Mix Engineer - Field Recordist - Podcast Editor - ADR Engineer - Stage Technician