



Program Outline

Audio Engineering & Music Production Certificate

Program Overview

Hours of Instruction:	720
Duration in Weeks:	36
Method of Delivery:	In-Class
Language of Instruction:	English
Credentials Issued Upon Completion:	Certificate

Program Costs:	Domestic	International
Tuition:	\$22,600.00	\$28,200.00
Textbooks:	\$380.00	\$380.00
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:	\$24,594.00	\$30,194.00

Program Description

As a student of the AEMP program, you will be working directly and collaboratively with artists, writers, musicians, and fellow engineers and producers to complete high-quality recordings in modern professional production environments. From a technical perspective, you will be learning the finer points of the craft, from recording session set-up and microphone placement to large format console signal flow, mix-down, mastering, and professional studio protocol. In addition to developing advanced technical knowledge and critical listening skills, you will also sharpen the necessary aesthetic, communication, and organizational skills vital to today's successful producers and engineers. This program is designed for individuals who are committed to pursuing a career in the audio industry.

Learning Objectives

By graduation, students will have achieved the level of proficiency and confidence required to enter the world of professional recording, music production, and audio post-production.

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.

International Students:

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. Acceptable forms of documentation are:
 - i. Copy of high school transcript, including graduation date
 - ii. Copy of high school diploma
3. 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:
 - i. Copy of post-secondary education transcript, including graduation date
 - ii. Copy of post-secondary education 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					

4. 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 Language Benchmark Placement Test (CLB PT)	Listening 6, Speaking 6, Reading 5 and Writing 5
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 quizzes, exams, assignments, and projects. Each assessment category 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.

Student evaluation is continuous, ongoing, and collaborative. Through our online (LMS) learning management system, students remain fully informed of their academic progress from their first day of classes to graduation; students have daily and up-to-the-minute access to key information, including curriculum delivery, project and assignment marks, and official transcript and attendance records.

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 certificate attainment.

Program Organization

Course Code & Name	Hours	Grade Value	Course Code & Name	Hours	Grade Value	Course Code & Name	Hours	Grade Value
AUD100 Sound Anatomy	56	6.7%	AUD200 Applied Audio Engineering	48	6.7%	AP300 Audio Production (Capstone Project)	48	6.7%
AUD110 Foundations of Audio Engineering	48	6.7%	AUD210 Mixing	24	4.4%	AUD300 Modern Mixing & Mastering Techniques	48	10%
AUD120 Pro Tools Fundamentals	40	6.7%	EMP200 Synthesis	40	5.6%	AUD310 Advanced Recording Techniques	24	3.3%
EMP100 Electronic Music Production	48	6.7%	EMP210 Making Music & Producer Workflow	32	4.4%	AUD320 Pro Tools for Game Audio	24	3.3%
EMP110 Applied Music Theory	48	6.7%	PA200 Post Audio	48	6.7%	EMP300 Technology In Performance	24	3.3%
			MB200 Music Business	48	6.7%	PA300 Post Audio	48	6.7%
						LS300 Live Sound	24	3.3%

Homework Hours

Term 1: 10 -20 Hours per week | **Term 2:** 20+ Hours per week | **Term 3:** 20+ Hours per week

Academic Resources

Students will have access to the following assets:

1. Computer Workstation
 - a. Each student will have access to a dedicated computer workstation consisting of a 21" M1 iMac computer equipped with the most recent versions of Pro Tools and Ableton Live software, as well as industry-standard plugin suites from FabFilter, Izotope, Antares, and others.
2. SAE Online Library and Learning Center
 - a. Comprehensive online library of Ebooks, Articles, and Videos (for asynchronous and supplementary learning materials)
 - b. Includes a 12-month subscription to LinkedIn Learning.
3. Tutoring Program
 - a. Students can receive 45-minute one-on-one sessions with a peer mentor or TA.
 - b. Sessions are available on topics relating to the AEMP program
 - c. Students book sessions through the online Tutoring Portal
 - d. Sessions can take place On-Campus or Online
4. Free Evening Workshop Series
 - a. Each workshop is a one- to two-hour lesson that delves deeply into specific topics related to audio engineering, music production, and the business of music.
 - b. Workshops are taught by alumni or industry professionals in our community
 - c. Workshops are a combination of lectures and hands-on practice and include an open Q&A

Course Materials

1. Provided Course Materials:

- 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. 12-month license: Ableton Live Suite
- c. 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

2. Recommended Reading:

- a. Recording Engineer's Handbook | A: Bobby Owsinski | P: Cengage Learning
- b. Mixing Engineer's Handbook | A: Bobby Owsinski | P: Cengage Learning
- c. Ableton Making Music, 74 Creative Strategies for Electronic Music Producers | A: Dennis DeSantis | P: AbletonAG

3. The following materials are not mandatory but are strongly recommended:

- a. Apple Mac computer with:
 - i. OS X 10.13 or later,
 - ii. Apple M1 chip or Intel Core i5 processor,
 - iii. 16GB RAM and 1TB of storage.
- b. 2-in, 2-out USB audio interface ie; Scarlett Solo or Universal Audio Volt2
- c. External solid-state hard drive: Minimum 500GB

Completion Requirements

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

- 1. Maintain a minimum pass 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 Pathways

Recording Artist - Music Producer - 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