



**9165**

**EXPLORATION OF  
SOUND ENGINEERING (9)**

**15S/15E/15M**

**10S/10E/10M**

**A Sound Engineering Course**



# 9165: EXPLORATION OF SOUND ENGINEERING (9) 15S/15E/15M AND 10S/10E/10M

## Course Description

This optional course is intended for students wishing to explore sound engineering. Students will learn the importance of safe practices while performing entry-level activities related to live performances and studio work. They will also learn to play a musical instrument at an introductory level.

---

**Goal 1:** Describe and apply appropriate **health and safety** practices.

**GLO 1.1:** Describe and apply appropriate **health and safety** practices.

- SLO 9.1.1.1 Create and maintain a safe and organized working environment.
- SLO 9.1.1.2 Give examples of workplace safety and health hazards related to sound engineering.
- SLO 9.1.1.3 Discuss sound pressure levels and their relationships to hearing loss.
- SLO 9.1.1.4 Use hearing protection as required.
- SLO 9.1.1.5 Demonstrate proper selection and use of a variety of personal protective equipment (PPE).
- SLO 9.1.1.6 Outline the safety principles for working on and around electrical and sound equipment.
- SLO 9.1.1.7 Outline workplace fire safety principles.

---

**Goal 2:** Demonstrate an understanding of **audio theory** and **music theory**.

**GLO 2.1:** Demonstrate an understanding of **audio theory**.

- SLO 9.2.1.1 Demonstrate a basic understanding of sound.
  - SLO 9.2.1.2 Demonstrate an understanding of the basic principles of acoustics.
  - SLO 9.2.1.3 Describe frequency and pitch.
-

**GLO 2.2:** Demonstrate an understanding of **music theory**.

SLO 9.2.2.1 Define music.

SLO 9.2.2.2 Demonstrate an understanding of basic notation.

---

**Goal 3:** Communicate by **making music**.

**GLO 3.1:** Communicate by **making music**.

SLO 9.3.1.1 Interpret the musical alphabet on a musical instrument.

SLO 9.3.1.2 Demonstrate an understanding of simple chords and rhythms.

SLO 9.3.1.3 Play a simple melody on an instrument.

SLO 9.3.1.4 Play basic piece on an instrument.

---

**GLO 3.2:** Participate in a **musical performance**.

No applicable SLOs.

---

**Goal 4: Engineer** studio sessions and live performances.

**GLO 4.1:** Demonstrate the identification, selection, and management of **musical instruments** and **recording equipment**.

SLO 9.4.1.1 Discuss the importance of managing and storing musical instruments and recording equipment.

SLO 9.4.1.2 Identify, select, and manage musical instruments and recording equipment.

---

**GLO 4.2:** Perform **pre-production** sound engineering duties.

SLO 9.4.2.1 Participate in a sound check.

---

**GLO 4.3:** Demonstrate **blocking** a live performance.

SLO 9.4.3.1 Participate in the blocking of a simple stage.

---

**GLO 4.4: Engineer** studio sessions and live performances.

SLO 9.4.4.1 Compare and contrast sound engineering principles in a studio session and a live performance.

SLO 9.4.4.2 Demonstrate an awareness of the steps used in audio recording.

SLO 9.4.4.3 Describe sound engineering duties in a studio session and a live performance.

SLO 9.4.4.4 Participate in the sound engineering of a studio session and a live performance.

---

**GLO 4.5:** Perform **post-production** sound engineering duties.

SLO 9.4.5.1 Participate in the editing of a studio session and a live performance.

---

**GLO 4.6:** Demonstrate **striking** a live performance.

SLO 9.4.6.1 Participate in the striking of a simple stage.

---

**Goal 5:** Describe and demonstrate the transferable **cross-curricular** knowledge and skills that are relevant to sound engineering.

**GLO 5.1: Read, interpret, and communicate** information that is relevant to sound engineering.

No applicable SLOs.

---

**GLO 5.2:** Apply the knowledge and skills from **mathematics** that are relevant to sound engineering.

No applicable SLOs.

---

**GLO 5.3:** Apply the knowledge and skills from **the sciences** that are relevant to sound engineering.

No applicable SLOs.

---

**GLO 5.4:** Apply the knowledge and skills from **other subject areas** (e.g., information and communication technology, electronics, the arts) that are relevant to sound engineering.

No applicable SLOs.

---

**Goal 6:** Demonstrate an awareness of **sustainability** as it pertains to sound engineering.

**GLO 6.1:** Describe the impact of **human sustainability** on the well-being of those employed in the music industry and their consumers.

No applicable SLOs.

---

**Goal 7:** Demonstrate an awareness of the **ethical and legal standards** as they pertain to sound engineering.

**GLO 7.1:** Demonstrate an awareness of the **ethical and legal standards** as they pertain to sound engineering.

No applicable SLOs.

---

---

**Goal 8:** Demonstrate **employability** skills.

**GLO 8.1:** Demonstrate **fundamental employability skills**.

- SLO 9.8.1.1 Demonstrate regular and punctual attendance.
  - SLO 9.8.1.2 Demonstrate the ability to communicate respectfully and effectively with teachers, supervisors, co-workers, and students.
  - SLO 9.8.1.3 Demonstrate accountability by taking responsibility for their actions.
  - SLO 9.8.1.4 Demonstrate adaptability, initiative, and effort.
  - SLO 9.8.1.5 Demonstrate teamwork skills.
  - SLO 9.8.1.6 Demonstrate the ability to stay on task and effectively use time in class and work environments.
  - SLO 9.8.1.7 Demonstrate the responsible use of wireless communication devices.
- 

**GLO 8.2:** Demonstrate an awareness of **cultural proficiency** and its importance in the workplace.

No applicable SLOs.

---

**GLO 8.3:** Demonstrate **critical thinking skills**.

No applicable SLOs.

---

**Goal 9:** Demonstrate an understanding of the **industry**.

**GLO 9.1:** Demonstrate an understanding of the **scope** of the music industry.

No applicable SLOs.

---

**GLO 9.2:** Demonstrate an understanding of the **educational and career opportunities**, as well as **industry associations**, in the sound engineering industry.

No applicable SLOs.

---

**GLO 9.3:** Demonstrate an understanding of **working conditions** in sound engineering.

No applicable SLOs.

---

---

**Goal 10:** Demonstrate an awareness of the **evolution, technological progression,** and **emerging trends** in sound engineering.

**GLO 10.1:** Describe the **history, technological progression,** and **emerging trends** in sound engineering.

No applicable SLOs.

---

