Hearing Aid Acoustician Programme
Module Outcomes

Module 1: Ear and hearing

After completion of this module, the student will understand and have knowledge of the anatomy and working of the ear, including binaural hearing, types of hearing losses and disorders of the ear.

Lesson 1: Hearing and hearing loss

- Explain and understand the difference between hearing and hearing loss.
- Explain the nature of hearing loss.

Lesson 2: Sound

- Define sound
- Understand the movement of sound through a medium.
- Describe sound movement.
- Understand and describe sound speed and how it relates to loudness.
- Understand the air- and bone conduction pathways of sound in the human ear.

Lesson 3: Anatomy of the ear

- Demonstrate an understanding of the anatomy and physiology of the outer ear.
- Demonstrate an understanding of the anatomy and physiology of the middle ear.
- Demonstrate an understanding of the anatomy and physiology of the inner ear.
- Demonstrate an understanding of the anatomy and physiology of the central auditory nervous system.

Lesson 4: Disorders of the ear

- Classify disorders of the ear according to different parts of the ear.
- Describe and understand disorders of the outer ear.
• Describe disorders that affect the middle ear.
• Describe disorders that affect the inner ear.
• Describe disorders that affect the central auditory system.

Lesson 5: Types of hearing loss

• Define binaural hearing
• Explain the benefits of binaural hearing
• Identify and categorise the different types of hearing loss