

Industrial Audiometric Technician Training Course

Curriculum Outline

Topic	Time
1. Hearing Conservation Programs in British Columbia <ul style="list-style-type: none"> • Introduction and overview; • Specifics of WCB Occupational Health & Safety Regulation, Part 7 	1 hour, 30 minutes
2. Audiometry <ul style="list-style-type: none"> • Introduction to the audiogram parameters • Manual audiometers--modified ascending descending technique • Self-recording audiometers • Micro-computers • Reliability 	45 minutes
3. Noise <ul style="list-style-type: none"> • Definitions of terms • Damage risk criteria • Hazard definitions • Leq versus Lex • Introduction to sampling strategies • Discussion of common occupations in BC industry 	1 hour, 20 minutes
3. Effects of Noise <ul style="list-style-type: none"> • Anatomy of the ear (external, middle, inner, central pathways) • Physiological response to noise exposure, • Characteristics of noise induced hearing loss • Non-auditory effects of noise • Simulated hearing loss audiotape demonstration 	1 hour, 30 minutes
4. Categorization of audiograms <ul style="list-style-type: none"> • Baseline (Abnormal, Early Warning, Normal), periodic (Abnormal Change, Early Warning Change, Normal Change), • Categorization flowcharts 	1 hour, 15 minutes
5. Counseling of workers, based on categorization	1 hour
6. Facility Maintenance <ul style="list-style-type: none"> • Requirements • Biological listening checks • Electro-acoustical calibration •ANSI S3.19-1999—standard for booths • ANSI S3.22-1996—standard for audiometers 	45 minutes

Industrial Audiometric Technician Training Course--Curriculum Outline, cont'd

Topic	Time
7. Hearing Protection <ul style="list-style-type: none"> • CSA Standard Z94.2-02 • Selection, fit • Care, maintenance • Problem solving scenarios 	2 hours
8. Test Submission <ul style="list-style-type: none"> • Using the Electronic Audiogram Program (audiogram, medical history, other fields) • Use of secure email • Ordering forms and related supplies 	1 hour, 10 minutes
9. Construction Industry Program <ul style="list-style-type: none"> • Policies and procedures • Included industry classification • Record of hearing test cards 	30 minutes
10. Hearing Conservation Program review <ul style="list-style-type: none"> • Information provided by WCB • Firm review • Industry review • Province review 	30 minutes
11. Code of Conduct	20 minutes

Other Activities

1. Practicum Sessions (daily, related to the day's topic)	7 hours
2. Review of homework	90 minutes
3. Evaluation <ul style="list-style-type: none"> • Written • Practicum 	2 hours

Total classroom time	23 hours
Coffee breaks	(1/2 hour per day)
Lunch breaks	(1 hour per day)
Total Time	28 hours

Please note that BCIT instructors may alter the schedule slightly depending on the progression of each course.