

ADVANCED CERTIFICATE IN MUSIC PRODUCTION

tgc[®]



rockschool
International Rock Music Exam Board

6 MONTH

Introduction to Desktop Production Tools

- Music Production Process
- Creating Musical Ideas
- Listening and Analysis
- Recording
- Editing
- Mixing
- Mastering
- Music Production Tools
- Synthesizers
- MIDI Sequencers
- Audio Recorders
- Processors
- Mixer

Signal Flow

- Analog Audio Signals and Connections
- Digital Audio Signals and Connections
- Signal Flow Between Devices
- Setting Up a Virtual Studio
- MIDI Signal Flow
- Studio Configuration

Exam – Practical exam on doing a signal flow

Studio Microphone

- Microphone: Style, Types, Sounds and Application
- Microphone Placement

Project – Submit assignment for different types of mic

Studio Software

- Digital Audio
- Plug ins and uses
- Inserts and Sends
- Timing Correction
- Tuning Possibilities
- Recording

Project - Submit assignment for different types of DAW

Music Theory

- Introduction and Chords I ; Major Scale Triads, Chord Tones and Intervals
- Chords II ; Harmonizing in Thirds, Seventh Chord and Extensions
- Harmonizing ; Minor Scale, Harmonic Minor Scale, Melodic Minor Scale, Modes, Transposing, Inversions, Bass and Melody

Project – Prepare chord charts & Circle of fifth

Exam – Production Tools, Signal Flow, Sound Acoustics & Music Theory

Introduction to Electronic Music Synthesizers

- What's a Synthesizer?
- Properties of Sound
- Pitch, Timbre, Loudness
- Virtual Instruments
- Digital Samplers

Project – Submitting assignment on different synth

Introduction to MIDI Sequencing: Patterns and Recording

- MIDI Messages
- Patterns in Music
- Creating Patterns
- Building an Arrangement from Patterns
- Playing Against a Drum Track
- Assignment: Reason Sequencing Project

Editing MIDI Sequences

- Editing MIDI Sequences
- Exploring Tempo, Key, Song Length, Velocity, Dynamics, Gate Time, Delay, Event-Level Editing
- Fixing Mistakes

- Correcting Timing
- Correcting Durations
- Correcting Dynamics
- Editing Pitch
- Cut/Copy/Paste Operations
- Editing in the Arrange Window—The Logic Tools
- MIDI Mixing and Automation

Project – Prepare 4 different types of MIDI project in DAW

Exam – Practical exam on MIDI sequence, EMS, Recording & Sequencing

Music Production Ideas

- Music Genre
- Targeting Textures and Treatment for the Artist Sound
- Focusing Song and Artist Vision
- Understanding the Artist's Audience
- Listening and Analysing Comparable Artist

Project – Create An Original Composition

Song Structure & Sample Layering

- Arrangement Structure
- Instrumentation and Important Instruments in a Genre
- Sample Selection based on your Genre
- Layering Samples based on your Genre
- Layering Samples and Synth sounds
- FX placement
- Automation Filters, Pitch, Time etc
- Music secrets to help you make melodies easily

Project – Arranging the Whole Track

Putting it All Together

- Fundamentals of Building Great Sounds for the Core Instruments
- Establishing the Foundation
- Using Dynamics and Effects Appropriately
- Establishing a Baseline Volume and Keeping It There

Project – Completing and Submitting the Whole song

Remix A Song

- Find the BPM & key of the original song
- Give it your own sound
- Create a tentative game plan
- Get Creative & Experiment

Project – Creating 2 remix of your own

Mixing

Effects Processing

- Intro: The Environment
- Insert Effects
- Aux Send and Return Effects Reverb Send and Return
- Overview of Effects Types
- Spectrum Processing: Filters
- Equalizer
- Different types of EQ
- Mix Practice--Adding EQ and Reverb
- Dynamics Processing
- All About Compression
- Compressing the Bass Track
- Gating
- Time-Based Effects
- The Delay Family
- Doubling/Flanging/Chorus
- Reverb

Project -Mixing 2 Tracks

Art Of Mixing

- Separation in the Mix
- Mixing Vocals
- Group Mixing (Mix Process)
- Creativity with Audio
- DIY Mastering
- Limiter, Dithering

Project – Completing The Whole Mix

Mastering

- What Is Mastering?
- Digital Theory
- EQ
- Compression
- Practical Dynamics
- Mastering Different Styles
- Advanced Techniques: Mid/Side
- Multi Band Compression
- Working on Albums, Compilations
- Editing: Fades, Cross-Fades, Gaps
- Level & Tonal Coherence

Project – Mastering the earlier Mixed Track & 2 other tracks

Final Project Critique and Course Wrap-Up

- Course Wrap-Up
- Where Do You Go From Here?
- How to Grow Your Basic Setup
- Suggested Additional Reading

Add On

- Free Samples & Loops worth 20GB
- Free Plugins
- Free Software's