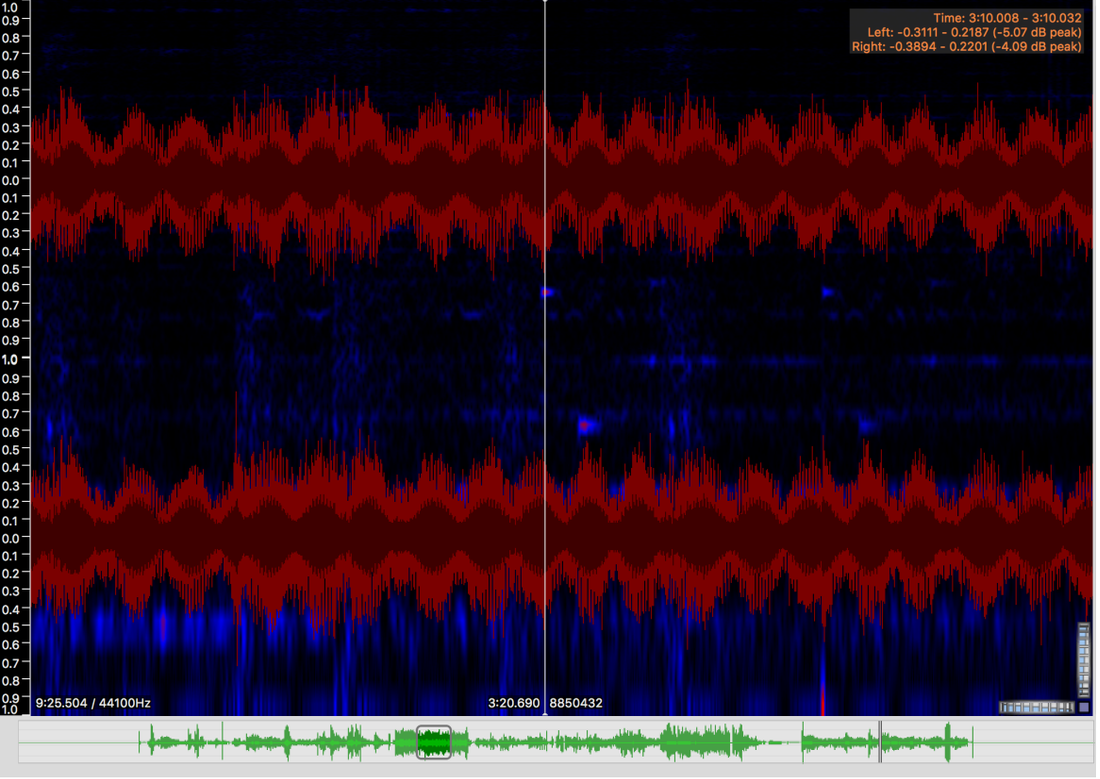
Maynooth University
National University of Ireland Maynooth

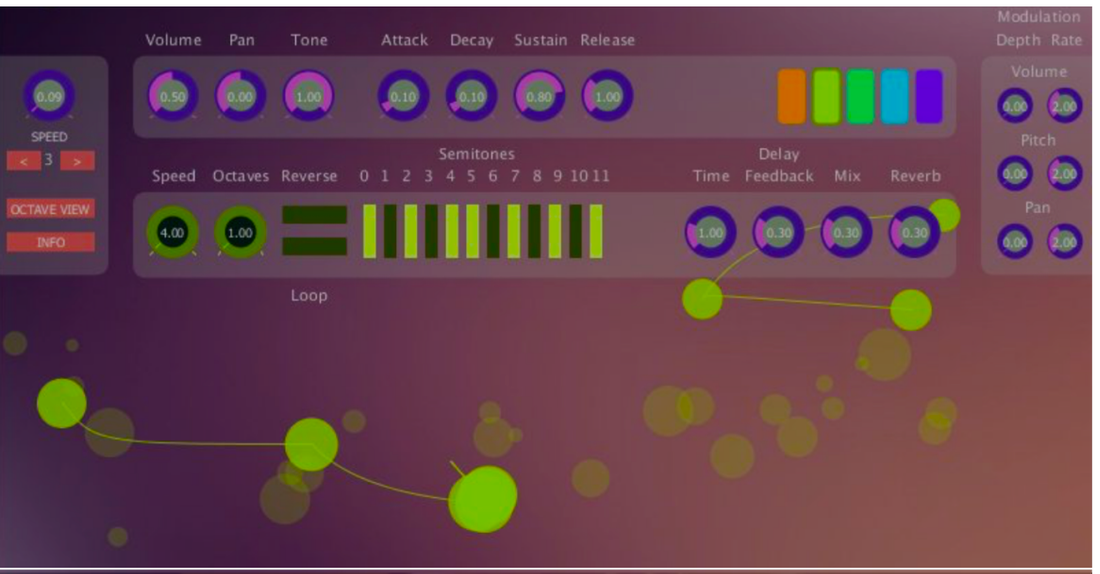
music

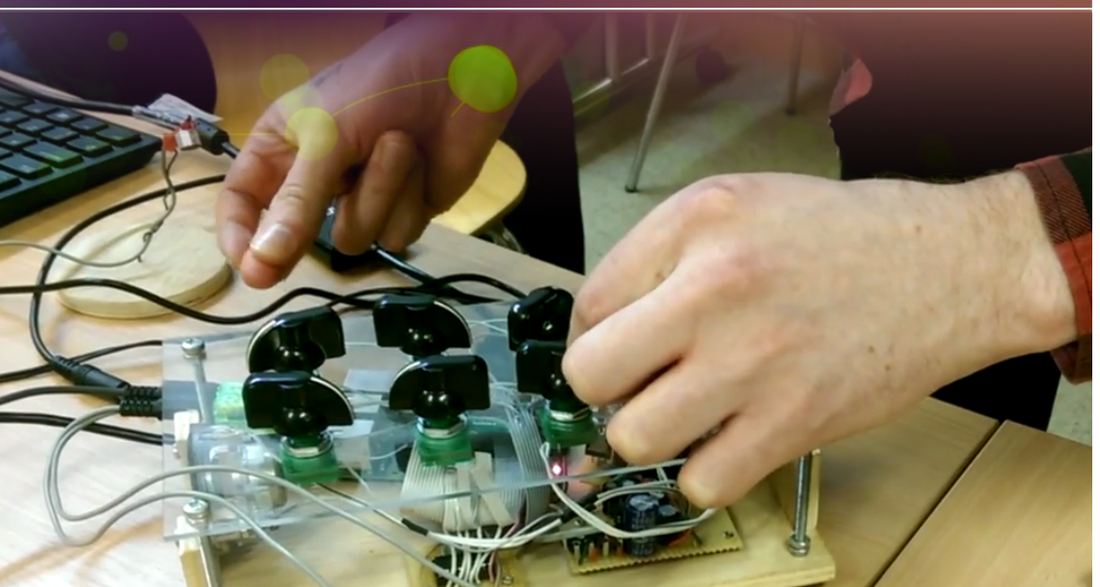
Maynooth University Music

MA in Creative Music Technologies

MSc in Sound and Music Computing







Exploring audio, technology, and computing

The **MA in Creative Music Technologies** and **MSc in Sound and Music Computing** at **Maynooth University** reside at the point of convergence between technology, music, and the creative industries. These courses are **skills conversion** programmes. We invite applications from both graduates with a music or music technology degree who want to consolidate learning, and graduates from any discipline who have a longstanding commitment to music and an interest in audio and computing technologies. The MA and MSc offer full use of the technical resources at the **Music Technology Labs** at Maynooth University and access to studio space.

The **MA programme** focuses on the artistic and creative aspects of music technology. Students taking this programme have the possibility of working towards recording, production, and/or composition projects. The **MSc programme** is designed for students who wish to concentrate on the technologies of sound and music computing, working in areas such as software and/or hardware. Students in both programmes are offered a taught element amounting to 60 ECTS, and individual tutorial time with a designated supervisor for the development of their final projects.

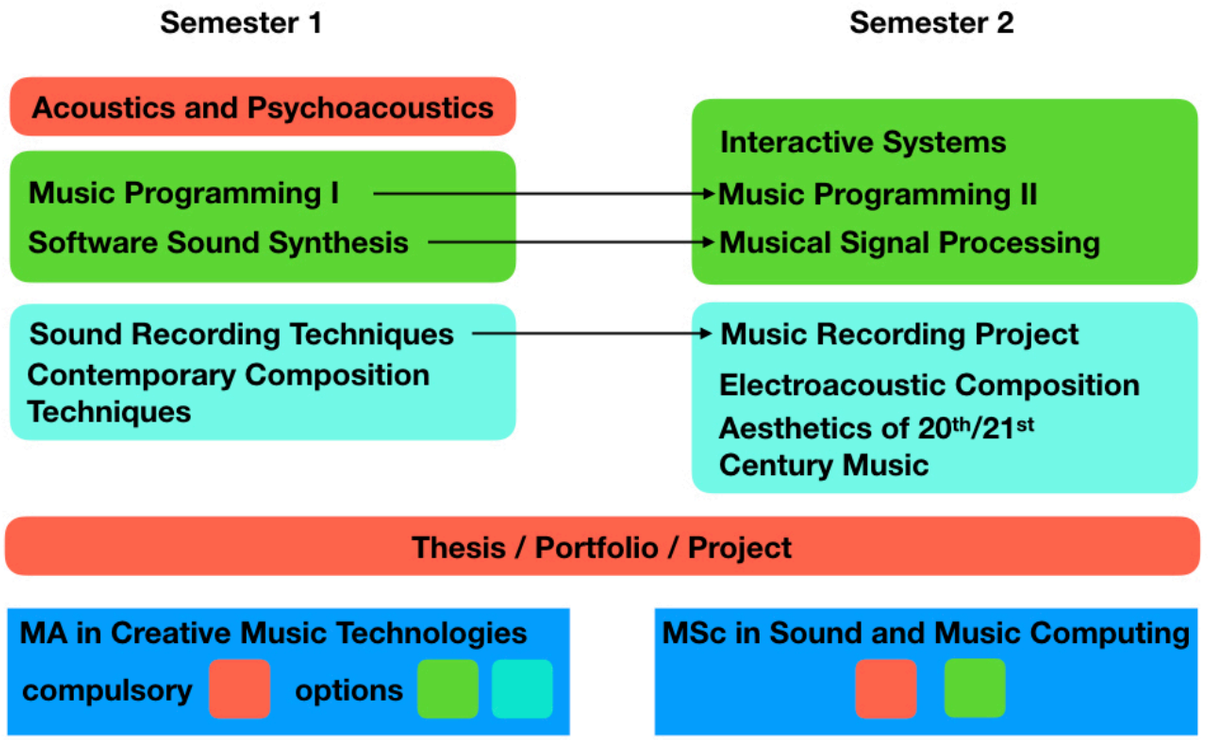
Available either as a full-time or part-time programmes, the MA/MSc is coordinated by Prof. Victor Lazzarini, with several staff contributing to teaching and supervision. See www.maynoothuniversity.ie/music/our-people for more information.

COURSE STRUCTURE

Participants on the MA/MSc explore a range of audio techniques and environments, where projects become increasingly self-directed as the programme progresses. Both courses culminates in a thesis/portfolio/project, where, with the support of a supervisor, students investigate an area of particular interest. MA students may produce a thesis or portfolio of electroacoustic compositions, while MSc students concentrate on a technical project.

CAREERS

Recent graduates have gone on to enjoy successful careers as music software programmers, sound designers, sound engineers, music producers, and have moved into related fields such as arts management and broadcasting, amongst many others.The skills developed in the MA/MSc n are **transferable** to many diverse areas of employment beyond the creative industries, including primary, secondary and third-level education, and administrative or managerial roles, particularly those related to digital arts. Key skills developed throughout these programmes allow graduates to demonstrate creativity and problem-solving, alongside a strong technical capabilities. These skills are highly valued by employers across a range of contexts.



MA/MSc Programme Structure

MODULES

MU610A Acoustics and Psychoacoustics (Semester I 10 ECTs)
This module is compulsory for all MA in Creative Music Technologies students. It focuses on the nature of sound and sound perception, and presents basic concepts involved in the phenomena of sound.

MU612A Sound Recording Techniques (Semester I; 10 ECTs)
This module introduces the studio to students and provides basic information needed to safely handle studio equipment.

MU611A Software Sound Synthesis (Semester I; 10 ECTs)
This module focuses upon the study of the basic techniques of synthesis, including a detailed study of computer music languages (sound compilers).

MU614A Music Systems Programming 1 (Semester I; 10 ECTs)
This module focuses on computer programming in general. It introduces the different operating systems and programming environments used in the lab.

MU633 Contemporary Compositional Techniques (Semester I; 10 ECTs)
This module is shared with the MA in Composition. A detailed survey of 20th century compositional ideas and techniques. Students submit a written assignment for assessment.

MU619A Electroacoustic Composition (Semester II; 10 ECTs)
This module engages with the aesthetics and techniques involved in the creation of electroacoustic music composition.

MU621A Music Recording Project (Semester II; 10 ECTs)
This module, supplementary to the first semester module on sound recording, involves the development and realisation of an individual recording project.

MU616A Musical Signal Processing (Semester II; 10 ECTs)
This module explores the techniques of signal processing for musical applications: delay lines, filtering, spectral processing and transformation.

MU617A Interactive Systems (Semester II; 10 ECTs)
“Interactive Systems” is concerned with the generation of systems for musical expression that require a significant amount of interaction between human and computer.

MU620A Music Systems Programming 2 (Semester II; 10 ECTs)
This module studies several different aspects of music systems programming. These include low-level MIDI, audio programming, signal processing and component development.

MU635 Aesthetics of 20th/ 21st Century Music (Semester II; 10 ECTs)
Shared with MAs in Composition and Musicology. The 20th and 21st centuries have been witness to an incredible growth and acceptance of differing, contradictory and overlapping aesthetic viewpoints in all art, especially music. This module engages with and explores numerous aesthetic outlooks from a wide range of artistic and regional backgrounds and genres.

MU643 Thesis/ Portfolio (30 ECTs)
The completion of a thesis or portfolio. Three options are given: (a) Thesis/dissertation on a chosen topic of study within Music Technology; (b) Creative Music Technologies software research/ development project; (c) Portfolio of electroacoustic music compositions.

OTHER OPTIONAL MODULES*

from other taught programmes in the University

MD630 Creative Interactive Computing (Semester I; 10 ECTs)

HOW TO APPLY

- All applications are processed online via PAC: **www.pac.ie/maynoothuniversity**.
- The PAC course code for Creative Music Technologies is MHT50 (full-time) or MHT58 for the PG Diploma (full-time).

ENTRY REQUIREMENTS

- An honours degree normally with a minimum of Grade 2.1 in any discipline.
- Evidence of equivalent professional experience will be considered.
- Applicants must complete a personal statement, and must be willing to take part in an interview. International applicants should contact victor.lazzarini@mu.ie for full details of the overseas interview processes.
- The **Postgraduate Diploma in Music Technology** runs in parallel to the MA/MSc programmes. It does not include the final thesis/ portfolio. Applications from candidates with Grade 2.2 or higher in any discipline are welcome.

* N.B. All optional modules are subject to availability

CONTACT

For more information or application queries, please contact the programme director:

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All applications are made through the centralised PAC system. More information can be found at:

www.maynoothuniversity.ie/study-maynooth/postgraduate-studies/how-apply