



Programme Specification

Audio and Music Technology [Sep][FT][Frenchay][3yrs]

Version: 2019-20, v3.1, 12 Jul 2021

Contents

| | |
|--|----------|
| Programme Specification | 1 |
| Section 1: Key Programme Details | 2 |
| Part A: Programme Information | 2 |
| Section 2: Programme Overview, Aims and Learning Outcomes | 3 |
| Part A: Programme Overview, Aims and Learning Outcomes | 3 |
| Part B: Programme Structure..... | 5 |
| Part C: Higher Education Achievement Record (HEAR) Synopsis | 7 |
| Part D: External Reference Points and Benchmarks | 8 |
| Part E: Regulations | 9 |

Section 1: Key Programme Details

Part A: Programme Information

Programme title: Audio and Music Technology [Sep][FT][Frenchay][3yrs]

Highest award: BSc (Hons) Audio and Music Technology

Interim award: BSc Audio and Music Technology

Interim award: DipHE Audio and Music Technology

Interim award: CertHE Audio and Music Technology

Awarding institution: UWE Bristol

Affiliated institutions: Not applicable

Teaching institutions: UWE Bristol

Study abroad: No

Year abroad: No

Sandwich year: No

Credit recognition: No

Department responsible for the programme: FET Dept of Computer Sci & Creative Tech, Faculty of Environment & Technology

Contributing departments: Not applicable

Professional, statutory or regulatory bodies:

Joint Audio Media Education Services (JAMES)

Apprenticeship: Not applicable

Mode of delivery: Full-time

Entry requirements: For the current entry requirements see the UWE public website

For implementation from: 01 September 2018

Programme code: J93213-SEP-FT-FR-J932

Section 2: Programme Overview, Aims and Learning Outcomes

Part A: Programme Overview, Aims and Learning Outcomes

Overview: The programme in Audio and Music Technology has the following general aims:

To produce graduates prepared for careers as individuals or within organisations in which technology is applied to the creation or distribution of music and sound within the creative industries.

To provide students with an industry-focused learning experience, which will allow them to develop their musical and production skills in a professional context, and which addresses their academic, professional, social and cultural development.

Educational Aims: The programme in Audio and Music Technology has the following specific aims:

To award an honours degree in Audio and Music Technology and produce graduates who have the ability to make a contribution to companies engaged in the use, design and production of music or audio systems, including film, theatre and other arts.

To educate students in the use and application of technology in creative and performance arts – specifically audio and sound engineering.

To enable graduates to design and engineer audio and music systems especially in the use of computing and digital technologies in an audio context.

In addition to the general and specific aims stated above, the option modules have been selected to allow students to tailor their course to suit their specific interests and chosen career path.

Programme Learning Outcomes:

On successful completion of this programme graduates will achieve the following learning outcomes.

Knowledge and Understanding

- A1. Describe engineering processes and applications with particular reference to audio systems using real and abstract quantities.
- A2. Explain the application of computing and other digital technologies to a range of audio-related and music-related practices.
- A3. Identify symbols, notation and language used in conventional music practice.
- A4. Recognise musical instruments both visually and aurally and identify a range of musical genres from the Western Art tradition and from contemporary music.
- A5. Identify applications of music and audio technologies in other domains including moving image and multimedia contexts.

Intellectual Skills

- B1. Apply logical thinking and the use of symbolic languages to evaluate the relationships between real and abstract quantities in the context of problems that arise in engineering.
- B2. Develop problem-solving strategies in musical and technical contexts.
- B3. Interpret acoustic and electrical theory in the context of the recording studio, performance events and other relevant scenarios.
- B4. Evaluate the application of business, marketing and other professional practice to a range of products and vocations including the creative industries, product development and software engineering.

Subject/Professional Practice Skills

- C1. Manage the use of computing and recording studio technologies in the creation of music and audio recordings and other products.
- C2. Analyse sound and music both aurally and through technical processes using a range of representations.

Transferable Skills and other attributes

- D1. Communication skills: to communicate orally or in writing.
- D2. Self-management skills: to manage one's own time; to meet deadlines; to work with others.
- D3. IT skills in context: to use software tools in the context of application development.
- D4. Logical reasoning and problem-solving skills: To undertake analysis and interpretation of information in the context of the computing, technology and music disciplines.
- D5. Problem formulation: To express problems in appropriate notations.
- D6. Progression to independent learning: To gain experience of, and to develop skills in, learning independently of structured class work. For example, to develop the ability to use on-line facilities to further self-study.
- D7. Comprehension of professional literature: to read and to use literature sources appropriate to the discipline to support learning activities.

Part B: Programme Structure**Year 1**

The student must take 120 credits from the modules in Year 1.

Year 1 Compulsory Modules

The student must take 120 credits from the modules in Compulsory Modules.

| Module Code | Module Title | Credit |
|--------------------|--|---------------|
| UFCFC4-30-1 | Audio Engineering 2019-20 | 30 |
| UFCFH4-30-1 | Audio Technology 2019-20 | 30 |
| UFCFML-15-1 | Exploring Music 2019-20 | 15 |
| UFCFF4-30-1 | Introductory Audio Programming 2019-20 | 30 |
| UFCFNL-15-1 | Theory of Music 2019-20 | 15 |

Year 2

The student must take 120 credits from the modules in Year 2.

Year 2 Compulsory Modules

| Module Code | Module Title | Credit |
|--------------------|--|---------------|
| UFCFE4-30-2 | Audio Process Design and Implementation 2020-21 | 30 |

Year 2 Optional Modules

The student must choose 90 credits from the modules in Optional Modules.

| Module Code | Module Title | Credit |
|--------------------|---|---------------|
| UFCFG4-30-2 | Audio Recording 2020-21 | 30 |
| UFCFLL-30-2 | Creative and Physical Computing 2020-21 | 30 |
| UFCFHF-30-2 | Outside Broadcasts 2020-21 | 30 |
| UFCFRL-30-2 | Research and Practice in Creative Technology 2020-21 | 30 |
| UFCFQL-30-2 | Sound Design and Post Production 2020-21 | 30 |

Year 3

The student must take 120 credits from the modules in Year 3.

Year 3 Compulsory Modules

| Module Code | Module Title | Credit |
|--------------------|----------------------------------|---------------|
| UFCF96-45-3 | Music Technology Project 2021-22 | 45 |

Year 3 Optional Modules A

The student must choose at least two modules from the modules in Optional Modules A.

| Module Code | Module Title | Credit |
|--------------------|-------------------------------|---------------|
| UFCFD4-15-3 | Audio Post Production 2021-22 | 15 |

| | | |
|-------------|--|----|
| UFCFN5-15-3 | Instrument Recording Investigation 2021-22 | 15 |
| UFCFV5-15-3 | Live Sound 2021-22 | 15 |
| UFCF94-15-3 | Software Development for Audio 2021-22 | 15 |

Year 3 Optional Modules B

The remaining credits must be selected from the modules in Optional Modules B.

| Module Code | Module Title | Credit |
|-------------|----------------------------------|--------|
| UFCFTJ-15-3 | Architectural Acoustics 2021-22 | 15 |
| UFCFA6-15-3 | Audio for Games 2021-22 | 15 |
| UFCFJF-15-3 | Broadcast Practice 2021-22 | 15 |
| UFCFNR-30-3 | Music Portfolio 2021-22 | 30 |
| UFCFVJ-15-3 | Professional Development 2021-22 | 15 |

Part C: Higher Education Achievement Record (HEAR) Synopsis

Graduates will be able to demonstrate knowledge and understanding of basic engineering applications and processes, and of applications of computers in music and audio systems. They will also have knowledge and understanding of basic music theory; acoustics theory and application; and application of music technology within multimedia and video systems. Graduates will also have an understanding of basic business and marketing practice.

Graduates of Audio Music and Technology will have developed skills in logical thinking. They will be able to use symbolic language to describe the relationships between real or abstract quantities in the context of problems that arise in engineering. In addition, they will be able to solve problems in a musical/technical context and be able to analyse and understand musical instruments, sound and recording.

Graduates of Audio and Music Technology will have a critical appreciation of the professional approach to music and recording work, as well as the ability to control and produce a recording session to professional standards. They will be able to use computers in music and audio as part of music creation and audio recording and processing. They will also be able to apply music technology in the recording studio to the process of creating music within professional environments. The degree will allow them to further develop their listening skills in music and recording.

These graduates will be able to communicate orally or in writing and express problems in appropriate notations. Furthermore, they will be able to use software in the context of the creation of musical projects, in problem-solving investigations, and interpreting findings.

They will be able to manage their own time; to meet deadlines and to work with others having gained insights into the problems of team-based systems development. They will be independent learners with the ability to read and use literature sources to support their learning.

Part D: External Reference Points and Benchmarks

QAA subject benchmark statements

The Audio Music Technology programme falls within the cognate area of the QAA Engineering benchmark. The Engineering Benchmark Statement contains statements of the standards expected of graduates at threshold levels. Graduates of this programme will be able to meet the required standards to meet the benchmark. In addition, some elements of both the Computing and the Music benchmark statements have been influential such as Programming fundamentals (Appendix B Computing) and Music technology and acoustics (Sections 3.14 and 3.15 Music).

University strategies and policies

The development of this programme reflects well institutional policies and is fully consistent with the University's commitment to 'make a positive difference to our students, business and society'.

Part E: Regulations

Approved to University Regulations and Procedures