

Faculty of Engineering and Informatics

Department of Media, Design and Technology

Programme Specification

Programme title: MSc Outside Broadcasting

Academic Year:	2018-19
Degree Awarding Body:	University of Bradford
Partner(s), delivery organisation or support provider (if appropriate):	
Final and interim award(s):	MSc [Framework for Higher Education Qualifications (FHEQ) level 7] PG Dip [Framework for Higher Education Qualifications (FHEQ) level 7] PG Cert [Framework for Higher Education Qualifications (FHEQ) level 7]
Programme accredited by (if appropriate):	N/A
Programme duration:	1 year full-time 2 years part-time
QAA Subject benchmark statement(s):	There are no applicable subject Benchmarks
Date of Senate Approval:	
Date last confirmed and/or minor modification approved by Faculty Board	March 2016

Introduction

The Outside Broadcast Engineer works on location to provide picture and sound coverage of an event. This may include live transmission of music, sport, drama or other events or the recording of those events on location. These locations may be well prepared venues such as sports arenas, theatres or concert halls but may be places with little or no facilities (churches or historic buildings), often in the open air (pop concerts, cultural festivals) without any direct access to amenities. The capture and preparation of video can be for transmission for TV, web or for recording purposes.

An outside broadcast engineer is a multi-skilled individual who has detailed knowledge of the processes and practicalities of the safe capture and transmission of sound and vision from a variety of locations, including those with little or no direct access to facilities. The isolated nature of location work means that the outside broadcast engineer needs to be in a position to plan thoroughly what will be needed, plan contingencies and provide solutions to problems that may arrive.

This MSc in Outside Broadcasting is designed for those who are working in the outside broadcasting industry, the Postgraduate Diploma in Outside Broadcasting forming part of the Outside Broadcast Engineer Apprentice scheme.

The programme has been developed in partnership with the Digital Media Working Academy and leading television and broadcast companies including; BBC, SKY, ITV and specialist Outside Broadcasting companies. Traditional craft skills in Outside Broadcasting, such as Vision, Lighting, Sound, Camera and Power will be supplemented by skills training in the increasingly important new disciplines of Media Management and Networking Technology. This is to take account of emerging demands of technologies such as Ultra HD/4K TV.

In collaboration with Creative Skillset, the Outside Broadcasting programme has been developed as part of a series of new Apprenticeship training programmes in partnership between Universities and creative industry companies. The programme combines work-based learning with the support of work-based mentors, online learning and face-to-face teaching and assessment through a series of residential development weeks.

You will be sponsored by your employers to complete the Postgraduate Diploma and you will be allocated a work-based mentor to offer support and guidance in the development of your work-based skills and knowledge. The work-based mentor will also be responsible for the confirmation of achievement in your logbook.

There will be three residential teaching and assessment weeks to be completed during the programme. The teaching opportunities of the residential weeks will supplement the work-based learning, personal study and online activities. The module assessment will be conducted using outside broadcast equipment and include the planning, operation of a live event. This will allow for the realistic achievement of the complex higher level learning outcomes of the programme.

The residential weeks are as follows:

Introductory residential – it covers enrolment and induction, the support available, the use of the virtual learning environment, the work-based learning log and teaching related to the modules 1) Sound Engineering, 2) Vision Engineering, and 3) RF Systems, Networking and Media Management.

Certificate residential (attendance upon completion of workbook for modules 1-3) – it covers assessment for the certificate level modules and specific teaching input for the modules 4) Location Management, 5) Health, Safety and Power Management, and 6) Professional and Team working.

Diploma residential (attendance upon completion of workbook for modules 4-6, and the submission of the detailed location plan which forms part of the assessment for the module Location Management). This residential will include time at the location where you have designed the detailed location plan. This week will cover assessments for the diploma level modules and provide some specific teaching input for the OB Dissertation.

The Outside Broadcasting programme is currently gaining Department for Business, Innovation and Skills approval as part of a Trailblazer Standard for the industry.

Programme Aims

The programme is intended to develop a professional multi-skilled broadcast engineer with experience and expertise to work in a wide variety of locations. They will have well developed practical skills in the use of all aspects of sound and vision equipment as well as equipment for media management, radio and satellite transmission and networking. In addition to practical skills they will have an in-depth knowledge of safe working practices, they will be able to lead a team, manage projects and resolve sound and vision signal problems as they happen.

Programme Learning Outcomes

To be eligible for the award of Postgraduate Certificate at FHEQ level 7, students will be able to:

- LO1 Evaluate the benefits of a variety of audio and vision equipment and systems to select the most appropriate equipment for the capture, broadcast or recording of sounds to meet the needs of clients and the venue.
- LO2 Synthesise a systematic knowledge of industry standards in sound recording and management and vision systems and facilities to best manage an outside broadcast.
- LO3 Diagnose problems in the signal chain and identify solutions to rectify sound and vision problems
- LO4 Monitor video signals across different ranges to detect video-quality deviations or malfunctions
- LO5 Rig, align, adjust and maintain sound, vision and recording equipment
- LO6 Solve problems methodically
- LO7 Set up, configure and test RF and recording systems

Additionally, to be eligible for the award of Postgraduate Diploma at FHEQ level 7, students will be able to:

- LO8 Evaluate all risks to people and equipment in order to select the most appropriate equipment and processes for managing an outside broadcast event
- LO9 Monitor power systems for equipment selection and load management to detect malfunctions
- LO10 Calculate capacities and load of equipment to ensure use within safe limits
- LO11 Design and plan the safe use of sites to make best use of the available space and best meet the needs of the client, the site owner and other stakeholders
- LO12 Determine appropriate strategies to maintain the security of the site and people and to meet the requirements of the shoot
- LO13 Monitor, evaluate and solve a range of issues that can arise during an outside broadcast

LO14 Supervise co-workers and contractors working on specific outside broadcast tasks

LO15 Lead teams and prioritise their work

Additionally, to be eligible for the award of Degree of Master at FHEQ level 7, students will be able to:

LO16 Apply advanced research skills to improve the practice, procedures or equipment or systems employed by the outside broadcasting industry

LO17 Research methodically and communicate complex ideas in writing

Curriculum

Postgraduate Certificate

FHEQ Level	Module Title	Core	Credits	Semester (s)	Module Code
7	Sound Engineering	Core	20	1	FAM7018-B
7	Vision Engineering	Core	20	1	FAM7019-B
7	RF Systems, Networking and Media Management	Core	20	1	FAM7020-B

Students will be eligible to exit with the award of Postgraduate Certificate if they have successfully completed 60 credits and achieved the award learning outcomes.

Postgraduate Diploma

FHEQ Level	Module Title	Core	Credits	Semester	Module Code
7	Location Management	Core	20	2	FAM7021-B
7	Health, Safety and Power Management	Core	20	2	FAM7022-B
7	Professional and Team Working	Core	20	2	FAM7023-B

In addition, students will be eligible to exit with the award of Postgraduate Diploma if they have successfully completed at least 120 credits and achieved the award learning outcomes.

Degree of Master

FHEQ Level	Module Title	Core electiv	Credits	Semester (s)	Module Code
7	Outside Broadcast Dissertation	Core	60	2	FAM7026-E

In addition, students will be eligible for the award of Degree of Master if they have successfully completed at least 180 credits and achieved the award learning outcomes.

Learning and Teaching Strategy

The learning and teaching strategy is based on an integrated and blended learning experience that will include three one-week residentials, online learning through the VLE, supported work-based learning and directed study.

The programme will incorporate this variety of strategies to ensure you have sufficient opportunities to develop the wide range of practical skills and in-depth knowledge and understanding that is needed of an outside broadcast professional. Professional and practical skills will be developed through a structured work-based learning element supported by UoB trained work-place mentors. These activities will be designed to establish resilient practical competence across a range of different outside broadcasting environments, using a wide variety of equipment and systems. Practical aspects of knowledge such as the optimal or creative use of equipment, their application and limitations will also be developed during work-based learning. Underpinning knowledge and understanding will be developed through lectures and seminars, directed reading and online exercises. This will include theoretical aspects, the importance and use of standards, employment law, the identification of risks to health and safety and strategies for safe working and public protection.

This strategy of supported work-based learning, directed study, and online activities linked to specific residential activities, will ensure that we provide you with a truly blended learning experience.

Assessment Strategy

Formative assessment will be ongoing through online activities and work-based learning with the work-place mentor. Summative assessment will take place during the second and third residentials. Feedback for summative assessment will be provided orally on the day of the assessment with written feedback following within 10 working days.

You will work through a work-based learning logbook with their work-place mentor. This will confirm your experiences, the nature and type of equipment you have used, the nature of the outside broadcasts you have been involved in, and your successful mastery of particular competencies. The logbook will be used to determine your readiness to progress through the programme. The accumulation of significant expertise in this manner will determine if you are ready for the next residential and the learning and assessment involved.

Summative assessment will confirm that you have the practical skills and knowledge demonstrated in your logbook. However, the main focus will be to see how you deal with complex issues both systematically and creatively to resolve problems and find workable solutions. You will be assessed on your ability to act autonomously, identify the source of problems and work with others to overcome them.

For the award of Masters, you will complete a research dissertation in a specific area of Outside Broadcasting with the support of a dissertation supervisor.

Assessment Regulations

This Programme conforms to the standard University Regulations which are available at the following link:

<http://www.bradford.ac.uk/aqpo/ordinances-and-regulations/>

Admission Requirements

The University welcomes applications from all potential students and most important in the decision to offer a place is our assessment of a candidate's potential to benefit from their studies and of their ability to succeed on this particular programme. Consideration of applications will be based on a combination of formal academic qualifications and other relevant experience.

The standard entry requirements for the programme are as follows:

- A first degree (2:2 or higher) in a related area or a minimum of three years relevant experience, including one immediately preceding the programme
- Support from your employing organisation to undertake the programme, including attendance at the residentials and supported work-based learning
- The employing organisation must have assessed you to be competent to take part and be prepared to provide a UoB trained workplace mentor for the duration of the programme

Admission is on the basis of submission of an application, curriculum vitae, letter of support from your manager and submission of employer support agreement.

Recognition of Prior Learning

If applicants have prior certificated learning or professional experience which may be equivalent to parts of this programme, the University has procedures to evaluate and recognise this learning in order to provide applicants with exemptions from specified modules or parts of the programme.

Minor Modification Schedule

Version Number	Brief description of Modification	Date of Approval (Faculty Board)
1	Minor modifications for 2016/17	March 2016