

Programme title: BSc (Hons) Paramedic Science

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| Academic Year: | 2018-2019 |
| Degree Awarding Body: | University of Bradford |
| Partner(s), delivery organisation or support provider (if appropriate): | Yorkshire Ambulance Service |
| Final and interim award(s): | BSc (Honours) Paramedic Science [Framework for Higher Education Qualifications (FHEQ) level 6] BSc Ambulance Care (Aegrotat) (FHEQ) level 6 Diploma of Higher Education in Ambulance Care [Framework for Higher Education Qualifications (FHEQ) level 5] Certificate of Higher Education in Ambulance Care [Framework for Higher Education Qualifications (FHEQ) level 4] |
| Programme accredited by (if appropriate): | Health and Care Professions Council |
| Programme duration: | 4 years full time Sandwich Degree |
| UCAS code: | B950 |
| QAA Subject benchmark statement(s): | BSc (Hons) Paramedic Science (2004) |
| Date of Senate Approval: | July 2016 |
| Date last confirmed and/or minor modification approved by Faculty Board | May 2018 |

Introduction

The BSc (Hons) Paramedic Science award allows students to work towards gaining a recognised professional qualification which gives them eligibility to apply to the Health and Care Professions Council (HCPC) to register as a Paramedic. Upon

registration the student can work throughout the United Kingdom, using the protected title 'Paramedic'.

This programme progressively develops students' skills towards the end goal of becoming a paramedic. Year one develops skills for ambulance care which include transfer of non-emergency patients to and from health or social care settings including hospitals for pre-arranged appointments and pre-hospital care, where interventions range from simple first aid to advanced emergency care and pre-hospital emergency anaesthesia. Year two develops on year one and leads to skills associated with being an Emergency Medical Technician. This is where students gain the skills required for responding quickly to emergency situations regarding acute medical issues, traumatic injuries and accident scenes.

Uniquely this programme offers the student a sandwich year between years two and four of the programme with our partner organisation, the Yorkshire Ambulance Service (YAS). During this year students will apply to be employed on a fixed-term contract and if successful will be paid for undertaking work in a frontline clinical role for a period of 12 months. This will give the students an unrivalled opportunity to gain first-hand experience of clinical practice within the ambulance service, working with and alongside other members of the frontline clinical workforce, whilst earning a salary commensurate with the role. Year four develops research skills and specialist clinical skills to enable the successful student to apply for registration as a paramedic.

The Faculty of Health Studies is a major provider of education and training for individuals working within the health, social, independent and community/voluntary sector organisations across the Yorkshire and Humber Region and wider. The Faculty focus is on excellence through knowledge, practice, research, leadership and management and aims to support the future sustainability of individuals through lifelong learning and improved employability. Through supporting individuals we hope to influence the future sustainability and adaptability of service delivery and individual organisations.

Here at Bradford our approach emphasises the integration and application of theory and practice to produce an adaptable and innovative graduate with excellent professional skills who can use a research based, evaluative, problem solving approach to clinical practice. Students will be equipped with the skills to enable students' to be a life-long learner and to embrace technology and technology-enhanced learning, vital in modern healthcare. These skills will evidence that students' meet the University of Bradford 'Graduate Attributes', identified in the 2012 Curriculum Framework.

Provision is mapped against the Health & Care Professions Council (HCPC) Standards of Education and Training and Standards of Proficiency for Paramedics (HCPC, 2014a and 2014b), the Quality Assurance Agency for Higher Education Subject Benchmark Statement for Paramedic Science and the Framework for Higher Education Qualifications (QAAHE, 2004, 2008, 2014), the College of Paramedics Curriculum Guidance (CoP 2015) and is developed with reference to the HCPC

standards of Conduct, Performance and Ethics (HCPC 2012). On successful completion of the four-year, full time sandwich degree programme graduates are eligible to apply for registration with the Health & Care Professions Council as a Paramedic and can apply for full membership of the College of Paramedics. The title of 'Paramedic' is protected by law and anyone using the title must be registered with the HCPC. It is a criminal offence for someone to claim that they are registered when they are not, or to use a protected title that they are not entitled to use.

The University of Bradford also recommends that each student becomes a student member of the College of Paramedics. Application for membership is students' responsibility and they will be given information about the benefits of membership by their personal academic tutor.

As an applicant, students will have a strong academic profile or recognisable and evidenced potential to succeed on the programme. In addition to academic ability there is also the need to possess well developed interpersonal and communication skills. Students' should be able to demonstrate knowledge of the scope and demands of paramedic practice, if possible through a period of work experience to familiarise themselves with work within a health or care environment. The Paramedic Science programme at Bradford is designed to attract a diverse range of applicants from a wide range of backgrounds.

The health service and care sectors are changing rapidly. To increase students' ability to work collaboratively in an inter-professional environment the programme includes inter-professional learning embedded within module learning outcomes.

Programme Aims

The programme is intended to:

- Meet the requirements of the Health and Care Professions Council (HCPC) for eligibility to register as a Paramedic;
- Develop students' awareness of their responsibilities to become a safe practitioner who can contribute towards safer systems of care;
- Develop students abilities as self-directed learners who are motivated to sustain and advance their own professional learning needs;
- Develop students abilities and confidence to recognise and support the professional development of their colleagues;
- Develop graduate paramedics with the knowledge, skills and attributes required to lead future developments in the field of paramedic science.

Programme Learning Outcomes

To be eligible for the award of Certificate of Higher Education at FHEQ level 4, students will be able to:

- LO1 Apply knowledge of the underlying concepts and principles associated with the clinical, social and psychological care of individuals and interpret these within the professional context of ambulance care.
- LO2 Reflect on and evaluate the appropriateness of different approaches to solving problems related to clinical, social and psychological needs within the professional context of ambulance care.
- LO3 Communicate the results of practice and written work accurately and reliably, using evidence and structured coherent arguments -evaluation.
- LO4 Adopt an ethos for lifelong learning through reflexivity, action planning and self-evaluation.
- LO5 Recognise the qualities and transferable skills necessary for employment including: accountability, autonomy and responsibility for professional practice.
- LO6 Practice safely under the direct supervision of qualified clinicians whilst adhering to HCPC guidance on standards of conduct and ethics for students.

Additionally, to be eligible for the award of Diploma of Higher Education at FHEQ level 5, students will be able to:

- LO7 Evaluate knowledge and critical understanding of the well-established principles for the care for individuals within the professional context of ambulance care, and of the way in which those principles have developed.
- LO8 Apply underlying concepts and principles of illness and wellbeing to complex scenarios within the professional context of ambulance care and deploy key techniques of ambulance care effectively, whilst considering the limits of their knowledge and the need for appropriate referral to other health and care professionals.
- LO9 Critique qualitative and quantitative data, in order to develop lines of argument and make sound judgements in accordance with basic theories and concepts of ambulance care.

- LO10 Use a range of established techniques to initiate and undertake critical analysis of information, and to propose solutions to problems arising from that analysis.
- LO11 Effectively and professionally communicate information, arguments and analysis in a variety of forms to individuals, specialist and non-specialist audiences through a variety of media.
- LO12 Practice safely under direct and indirect supervision of qualified clinicians and acquire necessary competences to enable them to assume significant responsibility and practice autonomously within a defined scope of clinical practice.

Additionally, to be eligible for the award of Honours Degree of Bachelor at FHEQ level 6, students will be able to:

- LO13 Critically evaluate the management of complex undifferentiated clinical situations using a systematic understanding of biological, behavioural and clinical science.
- LO14 Apply and critically evaluate research evidence at the forefront of contemporary paramedic practice to inform and improve the quality of care and service delivery and to initiate and carry out projects.
- LO15 Apply conceptual understanding of complex ethical, organisational, political, professional and social principles in order to promote safe systems of working in the context of multidisciplinary working in contemporary paramedic practice.
- LO16 Critically reflect upon decision making demonstrating initiative, personal responsibility and accountability in the context of contemporary paramedic practice.
- LO17 Assess and manage own learning, contributing to self and peer development through collaborative working with multi-professional groups.
- LO18 Practice safely as an autonomous practitioner and acquire the necessary competences to enable them to apply for registration with the HCPC as a paramedic.

Curriculum

Stage 1/Level 4

There is a high practical content both in terms of the number of modules containing practical skills and in the number of hours devoted to skills-based teaching and learning. The integration of theory and practice in all modules requires high levels of student participation and engagement. Strong links between theory and practice are facilitated through widespread use of a problem based learning approach. Students will develop a knowledge and understanding of the underlying theories and concepts of human biology, clinical science and public health that inform contemporary paramedic practice, there will be focus on the wellbeing issues that paramedics meet on a day to day basis. This will prepare the student for the application of theory into clinical practice.

Professional skills are integral to students' development as a paramedic. Participation in interactive professional skills development involves experience, observation participation and feedback. Students will be strongly encouraged to engage with simulated learning which may involve students acting in the role of care provider, service user or carer in the acquisition of clinical skills both in the Faculty and in work based placements. Where there is role play students are under no obligation to agree to this and refusal will not act as a barrier to students continued eligibility to participate in simulated learning activities. In order to maintain safe practice and meet legal requirements, Higher Education Institutions must ensure all students give consent prior to their participation in any activities that may impact on their health or safety status, or the health or safety status of others. Students will therefore be asked to complete a consent form on an annual basis.

There will be work-based placements in semesters 1 and 2 which will be an opportunity to observe and participate in the practice environment under the supervision of a clinical practitioner. These placements may involve a full range of shift working to reflect the nature of service delivery. Students will be able to observe how professional multi-disciplinary teams work together and begin to use the professional and communication skills students have learned.

By the end of this stage students will have a broad understanding of body systems in both health and disease. This includes the psycho-social aspects of ill health and promotion of wellbeing. Students will be able to select, justify and carry out basic management of common conditions in the pre-hospital clinical environment.

| FHEQ Level | Module Title | Type | Credits | Semester (s) | Module Code |
|-------------------|-----------------------------------|-------------|----------------|---------------------|--------------------|
| 4 | Introducing Paramedic Science | Core | 60 | 1 and 2 | PAS4001-E |
| 4 | Paramedic Professional Practice 1 | Core | 30 | 1 | PAS4002-C |
| 4 | Paramedic Professional Practice 2 | Core | 30 | 2 | PAS4003-C |

At the end of stage 1, students will be eligible to exit with the award of Certificate of Higher Education if they have successfully completed at least 120 credits and achieved the award learning outcomes.

This award does not confer eligibility to register with the Health and Care Professions Council (HCPC) as a Paramedic.

Stage 2/Level 5

The emphasis at this level is on the development of more advanced and specialised skills in contemporary paramedic practice. Students will explore principles of management of the patient with a broad range of acute and long term clinical conditions, highlighting the importance of evidence-based practice, patient engagement and the delivery of safe and effective care. This will be in the context of professional conduct and competence in the care, and for the monitoring and support of service users and their families. These principles will be applied across the age spectrum with emphasis on the diversity of settings where these conditions may be encountered. Students' research knowledge and skills will be developed through the core 'Developing Paramedic Science' module.

Work based learning experience at this level consists of further clinical practice placements which may include ambulance and other clinical areas, such as A&E units, maternity units, hospital theatres, coronary care units or other specialist clinical facilities. These placements may involve a full range of shift working to reflect the nature of service delivery. These placements will give students' experience of working in health and care settings and allow students' to practice the professional skills required to work in such environments before embarking on students' professional sandwich year placement in year three.

By the end of level 5 students' will be able to engage in a professional work based placement using a variety of clinical skills applied to a wide range of clients and patients. Students' will also have evidenced the ability to work professionally to a recognized scope of practice known as 'Emergency Medical Technician 2'.

| FHEQ Level | Module Title | Type | Credits | Semester (s) | Module Code |
|------------|-----------------------------------|------|---------|--------------|-------------|
| 5 | Developing Paramedic Science | Core | 60 | 1 AND 2 | PAS5001-E |
| 5 | Paramedic Professional Practice 3 | Core | 30 | 1 | PAS5002-C |
| 5 | Paramedic Professional Practice 4 | Core | 30 | 2 | PAS5003-C |
| | Blue Light Training | Core | 0 | 2 | PAS5004-Z |

At the end of stage 2, students will be eligible to exit with the award of Diploma of Higher Education if they have successfully completed at least 240 credits and achieved the award learning outcomes.

This award does not confer eligibility to register with the Health and Care Professions Council (HCPC) as a Paramedic.

Stage 3

Sandwich Placement Year

The sandwich year placement will be undertaken with the Yorkshire Ambulance Service (YAS). At the start of this year students will apply for a position to undertake a 12 month fixed term contract in the role of 'Emergency Medical Technician 2'. While undertaking this sandwich year students remain a student of the university and retain the relevant benefits and responsibilities that this status provides. Students will also be professionally engaged by Yorkshire Ambulance Service and subject to relevant contractual obligations as an NHS employee. Prior to commencement of the sandwich year, students must undertake and successfully complete the nationally recognised 'Blue Light Training' course. This is arranged by YAS and can be facilitated during the summer break or immediately prior to commencement of the sandwich year.. Those students unable to successfully complete this course will be offered supplementary attempts at the discretion of YAS.

Those unable to meet the contractual obligations for employment, for reasons such as long term ill health, the loss of a driving license, or inability to meet 'blue light' driving requirements, will be offered a supernumerary placement during this period, which would not attract a salary. Completion of the sandwich year is required both to meet professional, statutory and regulatory body requirements and to complete our degree of BSc (Hons) Paramedic Science. Candidates unable to complete the sandwich year will be offered the opportunity to step off the programme, or to transfer onto the BSc (Hons) Health, Wellbeing and Social Care programme.

During the placement year students' will undertake a placement module which requires students' to evidence at least 975 hours of clinical practice. This will involve a full range of shift working to reflect the nature of service delivery. Students' will complete a portfolio of evidence demonstrating students' ability to provide safe and appropriate clinical care and undertake tripartite meetings involving the students, workplace mentor and university link lecturer. These meetings provide an opportunity to plan, review and validate students' portfolio of evidence which will evidence the students' achievement of the module learning outcomes and eligibility for progression into the final stage of the programme. This clinical placement year is summatively assessed on a pass/fail basis and therefore does not graded. The module is not credit bearing; and do not count towards the final degree classification. Students who fail the sandwich year are entitled to one supplementary assessment. Where this requires additional clinical practice placement time, this will not attract a salary.

During the sandwich year a reduced fee is paid by the student. Full details of the current fees at the University of Bradford can be found by following this link:

<http://www.bradford.ac.uk/fees-and-financial-support/index.php>

This programme currently provides no option for students to undertake a work placement or period of study abroad.

| FHEQ Level | Module Title | Type | Credits | Semester (s) | Module Code |
|-------------------|--------------------------------------|-------------|----------------|-----------------------|--------------------|
| 5 | Paramedic Professional Sandwich Year | Core | 0 | Full year (12 months) | PRP5015-Z |

On successful completion of PRP5015-Z Placement, students will be eligible for the award of University Diploma in Professional Studies.

Stage 4/Level 6

The emphasis at this level is on independent learning. Within the 'Integrating Paramedic Science and Practice' module students will draw on learning from previous academic work and the sandwich year experiences. Students will be able to critically reflect on, the underlying theories and concepts of human biology, pathophysiology, pharmacology, clinical science and public health which inform contemporary paramedic practice at a competency level commensurate with practitioners registered with the Health and Care Professions Council as paramedics. To undertake independent study that critically analyses and critically evaluates contemporary paramedic practice.

This module continues the emphasis on group work in both delivery and assessment. This module offers options for delivery and assessment – students may choose a literature review, a piece of primary research, a fully-worked up research proposal or an audit of an aspect of practice. There will be optionality in both the choice of topic to be explored and in the mode of assessment. The School offers support for students on preparation for interview and employment with input from the University Careers Office. This is incorporated into the 'Integrating Paramedic Science and Practice' module and prepares students' for employability. Optional modules are available and are listed below, some of which have been developed in line with the College of Paramedics 'Paramedic Career Framework 3rd Edition' (2015) helping students to prepare for the workplace and offering a level of specialization which will provide realistic opportunities for rapid career progression.

Work Based Learning placements at this level are integrated into both the core 'Integrating Paramedic Science and Practice' module and are integral to all of the optional modules, again reflecting the importance of the practice element of the programme. These placements may involve a full range of shift working to reflect the nature of service delivery. Depending on the availability of placements there will be an element of optionality in the placement area to support the specialist nature of the chosen optional modules.

By the end of this level students will be able to demonstrate that they meet all

programme learning outcomes through successful completion of academic work and practice modules. Students will utilize the full range of clinical, interpersonal, team-working and reflective skills to the standard required of a newly qualified paramedic. Students will be eligible for the award of BSc (Hons) Paramedic Science and eligible to apply for registration with the Health and Care Professions Council (HCPC) as a Paramedic.

| FHEQ Level | Module Title | Type | Credits | Semester (s) | Module Code |
|------------|--|--------|---------|--------------|-------------|
| 6 | Integrating Paramedic Science and Practice | Core | 60 | 1 and 2 | PRP6023-E |
| 6 | Advanced Physical Assessment and Clinical Decision Making Skills | Option | 30 | 2 | PRP6014-C |
| 6 | Applied Pathophysiology and Pharmacology in Acute and Long Term Conditions | Option | 30 | 1 | NUR6022-C |
| 6 | Evidence Based Diabetes Care | Option | 30 | 1 or 2 | NUR6027-C |
| 6 | Adult Cardiology: Examination, Assessment and Intervention | Option | 30 | 1 or 2 | NUR6005-C |

Students will be eligible for the award of Honours Degree of Bachelor if they have successfully completed at least 360 credits and achieved the award learning outcomes.

This award confers eligibility to apply for registration with the Health and Care Professions Council (HCPC) as a Paramedic.

A student prevented by illness or other good cause from taking either the whole or part of the assessments required for the final Stage of a course of study may thereupon be treated by the Senate, on the recommendation of the Faculty Board and subject to such conditions as are prescribed in the Regulations, as a successful student in those assessments and be granted an Aegrotat award. This award is the BSc Ambulance Care.

This Aegrotat award does not confer eligibility to register with the Health and Care Professions Council (HCPC) as a Paramedic.

BSc (Hons) Paramedic Science Programme Clinical Practice Placement Overview

| | Semester 1 | Semester 2 |
|--------|--|---|
| Year 1 | Introducing Paramedic Science (60 credits) Module content taught at University over the whole academic year | |
| | Paramedic Professional Practice 1 (30 credits) 4 weeks of clinical practice placement and 2 weeks taught off site | Paramedic Professional Practice 1 (30 credits) 6 weeks of clinical practice placement and 2 weeks taught off site |
| Year 2 | Developing Paramedic Science (60 credits) Module content taught at University over the whole academic year | |
| | Paramedic Professional Practice 3 (30 credits) 6 weeks of clinical practice placement and 2 weeks taught off site | Paramedic Professional Practice 4 (30 credits) 6 weeks of clinical practice placement and 2 weeks taught off site |
| | Professional Blue Light Training | |
| Year 3 | Professional Sandwich Year Placement Students commence a 12 month paid sandwich year with Yorkshire Ambulance Service | |
| Year 4 | Integrating Paramedic Science and Practice (60 credits) Module content taught at University over the whole academic year plus 6 weeks of practice placement and 2 weeks taught off site | |
| | Optional Module (30 credits) 4 weeks of clinical practice placement | Optional Module (30 credits) 4 weeks of clinical practice placement |

Off-site teaching will take place at Yorkshire Ambulance Service specialist clinical skills teaching facilities approved by the University. As partners with the University of Bradford, elements of the programme are taught off site by Yorkshire Ambulance Service staff. Off-site facilities are accessible by public transport from the University's main campus.

Clinical practice placement may be divided into two distinct categories:

Ambulance Placement: this is undertaken exclusively on ambulance service emergency response vehicles.

Non-Ambulance placement: undertaken at a range of sites which may includes ambulance service communications or non-emergency transport teams and other specialist clinical areas, such as A&E units, maternity units, hospital theatres,

coronary care units, as well as a range of primary care areas, such as nursing homes, minor injury units and community mental health teams.

Optional module placement: Optional placement is determined by the module chosen, for example a student undertaking 'Adult Cardiology' as an optional module may wish to spend some of their practice placement time at a Coronary Care Unit, while students undertaking 'Advanced Physical Assessment and Clinical Decision making' as an option may wish to be placed at an Emergency Department, or with an ambulance service based advanced practice team.

During the course of the programme clinical practice placement is divided to ensure that at least 60% of clinical practice placement undertaken is 'Ambulance Placement' and the remaining 40% is 'Non-Ambulance Placement'.

Learning and Teaching Strategy

The programme is informed by the principles of the University Curriculum Framework and the values of the Faculty of Health Studies which are for teaching and learning to be: Reflective, Adaptable, Inclusive, Supportive, Ethical and Sustainable. The primary educational approach is through Problem Based Learning (PBL) in Year 1 and Team based learning (TBL) in Year 2. These methodologies place emphasis on the development of lifelong skills for learning and require students to take a central and proactive role in their education. The student's programme of study will expose them to a range of different research informed learning, teaching and assessment strategies required to achieve the learning outcomes and students will be expected to take responsibility for their own learning.

Both PBL and TBL use scenarios and cases to develop student learning through question formation and investigation to gain a joint understanding of key concepts and how best to manage the care of the service user. The service user perspective will be gained in practice and from the use of "Bradton". This online resource has real life stories of health conditions and care experiences that are told by either the individual, their carer or an actor on their behalf.

Teaching methodologies may include:

- Facilitated seminars and group discussion: where learning will be through the interpretation and critical application of information and group learning
- Lectures: to a group of students where research informed information will be presented and discussed whilst informed by the core values.
- Tutorial: where a small group of students reflect and discuss issues related to their learning
- Use of Web based virtual learning environments: such as Blackboard in the university. This enables access to information and to interact with other students undertaking group work or developing wikis. Yorkshire Ambulance Service host a VLE system called Moodle which students use whilst on placement. YAS are responsible for Moodle and student access. This provides access to all the policy and procedure documents.

- Self Directed learning: Where students' are expected to develop students' own learning by identifying areas of interest and areas in which knowledge needs to be developed.
- Clinical practice placement: Where students' will learn whilst under the supervision of clinical practitioners.
- Sandwich year clinical practice placement: Where students' will apply and consolidate students' learning as a professional member of the clinical team.
- Undertaking a research module which is shaped by students' own self-directed learning needs and final stage learning outcomes.

There is also a strong emphasis on work-based learning in the practice setting to promote the application of theory to practice and the development of clinical reasoning skills; this has been developed with reference to the Code of Practice for Work Based and Placement Learning (QAA B10 2012). Professional practice or work-based learning runs throughout the programme and meets the regulatory body requirements for practice placements in paramedic programmes. This forms an integral part of the learning process and is vital to both students' academic, personal and professional development. These practice modules take place predominantly within the Yorkshire Ambulance Service, but also includes periods of placement in a range of clinical settings mainly in the Bradford and Airedale, Calderdale and Leeds and Wakefield regions.

The programme is structured in a format that allows students' to build profession specific background knowledge and skills during years one and two with the emphasis moving towards problem solving and reasoning skills ready for professional practice during students' sandwich year placement and for autonomous practice by the end of the programme. By the time students' undertake the first work based placement students' will have the basic skills and knowledge which will allow application of the principles of ambulance care.

Inter-professional education:

Undergraduate Inter-professional Learning Outcomes have been developed and are integrated into modules across all programmes in the Faculty.

"Inter-Professional Education occurs when two or more professions learn with, from and about each other to improve collaboration and the quality of care" (Centre for the Advancement of Interprofessional Education 2002).

The Faculty works closely with practice partners and recognises the implications of recent national policies which require future health and social care workforces to work across professional boundaries, within a framework of core knowledge and core values (Francis 2013, Higher Education England 2015). The Faculty Strategy for Inter-Professional Education across all levels of study is to provide the best possible opportunities for students' to become professional, safe practitioners in a changing and challenging world. Students will work and study with other health

students from the faculty, in shared teaching and workshops. On placement students will additionally work with non-professional groups. This will equip students' for communicating and collaborating across professional boundaries in order to contribute to safer systems of care and provide holistic person centred care in all practice settings; as well as providing advanced knowledge of human factors theories that will enable students' to identify the relationship between human behaviour, system design and safety that is becoming increasingly influential in helping us understand the causation of errors, accidents and failures in health care systems. Students will reflect on experiences and propose where current clinical practice may be improved.

Assessment Strategy

The Paramedic Science programme uses a diverse range of assessment strategies that reflect the diversity of the student population, accommodating different learning styles. This varied approach seeks to facilitate the success of all students and the all-round development of a competent clinical practitioner and graduate who is able to meet the learning outcomes for the programme. The assessment load is spread evenly across each year and programme. Assessment methodologies may include:

1. Written essay
2. Reflective Case study
3. Multiple Choice Question examination
4. Extended Matched Questions examination
5. Seminar or poster presentation
6. Practice skill competence, through Direct Observation of Procedures (DOPs)
7. Objective Structured Clinical Examination (OSCE)
8. Written project report
9. Completion of a Dissertation
10. Completion of a portfolio of skills
11. Team Based Learning assessment including:
 - Individual Readiness Assurance Tests (iRAT)
 - Team Readiness Assurance Tests (tRAT)
 - Team work evaluation (Peer evaluation)

Students will be provided with a personal academic tutor who will support learning throughout the programme and offer guidance and feedback on academic work and development. There will be opportunities for formative feedback to help students in the presentation of work for assessment. The programme includes continuous

assessment with a particular focus on competencies and the core academic skills. Students will be expected to keep a portfolio of learning. This will help students' to better plan for and engage with taught elements of the programme. Competence based clinical skills are essential components of professional practice and will help the students prepare for all 'Paramedic Professional Practice' modules. They are assessed on a pass fail basis and contribute to the overall module mark.

Assessment in the University aims to promote and develop reasoned professional knowledge and skills and will reflect the requirements and expectations of the practice setting. Assessment strategies are designed to mirror the clinical environment. For example the use of Objective Structured Clinical Examinations (OSCE) tests students' ability to undertake clinical skills as well as evidence clinical reasoning and decision making, as they would in the clinical setting.

There will be identified opportunities for formative feedback in all modules to assess students' progress prior to final achievement of modular outcomes.

The assessment strategy for clinical placements has been developed collaboratively with the Yorkshire Ambulance Service. There is an assessment tool, which offers as robust an assessment as is possible in the clinical environment; with standardised learning outcomes across the domains being tested. In addition to the paperwork for the Bradford programme, students will be required to pass the element for professional conduct. This is a programme requirement. Any student who has exhibited behaviour not in keeping with Standards of Proficiency (Health & Care Professions Council, 2013) will fail the placement overall, even if they have achieved an average pass mark across the remaining domains being tested. The mark will be capped at 35%.

Assessment Regulations

This Programme conforms to the standard University Assessment Regulations which are available at the link below

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

However, there are four exceptions to these regulations as listed below:

1. Students undertaking the BSc (Hons) Paramedic Science must achieve at least a Pass and or 40.0% in all elements of assessment in all individual Stage 1, 2, 3 and 4 modules in order to progress on the programme and be eligible for award.
2. Students undertaking the BSc (Hons) Paramedic Science who may be considered for an Aegrotat award must only be eligible for the fall back award of 'Ambulance Care'.

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 science 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 **minimum** entry requirements for the programme are as follows:

Typical offer: ABB / 128 UCAS points

A levels:

A Levels 128 UCAS tariff points (ABB) from 3 full A levels with at least one in a STEM science subject. (A level PE is not acceptable in place of a science)

BTEC Extended Diploma:

DDM in a relevant Health or Science subject.

Plus minimum of:

5 GCSEs at grade 4 or above (previously Grade C), including GCSE English Language and Maths (***note: GCSE English Language and Maths equivalences will not be accepted***) and a science subject.

Applicants on Access Programmes:

An Access to Higher Education Diploma in Health Professions or Science, to include 30 Level 3 credits at Distinction (including 15 credits in a science subject) and 15 Level 3 credits at Merit.

Those studying Access to HE Diplomas are required only to have GCSE grade C or above in English Language and Maths

Students with a non-traditional education background are considered with a range of qualifications, even if students' do not fulfil the above criteria provided that there is evidence of successful level 3 (or higher) study in a relevant subject within the last 5 years. Required grades are as follows:

Science Foundation Year 70% plus GCSE grade C or above in English Language and Maths

Honours degree Minimum 2:2 in a related area + GCSE English Language and Maths (Check all degrees with admissions tutor)

Foundation degree 50% + GCSE English Language and Maths (Check all Foundation Degrees with admissions tutor)

Dip HE 50% + GCSE English Language and Maths (Check all DipHEs with admissions tutor)

Cert HE 50% + GCSE English Language and Maths (Check all CertHEs with admissions tutor)

If an applicant is taking a qualification above level 3, e.g. degree level study, the offer should be made on what the applicant is currently taking regardless of whether their level 3 qualifications meet requirements. This is to ensure consistency between students who have started a degree at UoB and other institutions. If a student has started a degree at the university this may affect the application due to the policy regarding number of fails/resits allowed.

Recent Relevant Study

Applicant must meet all other requirements but if their qualifications were awarded more than five years ago they will also need to demonstrate recent relevant study. Suggested courses are:

OU S104 Exploring Science, 60 credits, OU Level 1
<http://www3.open.ac.uk/study/undergraduate/course/s104.htm>

OU K101, Introduction to Health and Social Care, 60 credits, OU Level 1
<http://www3.open.ac.uk/study/undergraduate/course/k101.htm>

OU S142 Topics in Science, 30 credits, OU Level 1
<http://www3.open.ac.uk/study/undergraduate/course/s142.htm>

OU SK277 Human Biology, 30 credits, OU Level 2
<http://www3.open.ac.uk/study/undergraduate/course/sk277.htm>

Additional entry requirements:

In addition to academic entry requirements candidates must also demonstrate an understanding of the diverse nature of paramedic practice. This may be demonstrated through research into the profession via the internet, publications or appropriate work experience. As part of the selection process, we interview short-listed candidates prior to making offers. Offers are only made after detailed consideration of each individual application and subsequent interview. Interview will give the applicants the opportunity to discuss and demonstrate values related to the NHS Constitution.

In addition to meeting the academic entrance requirements all places are offered subject to satisfactory occupational health screening. This will involve completing an on-line occupational health questionnaire and possible attendance at a medical appointment. The offer of a place is also subject to a satisfactory enhanced Disclosure and Barring Service (DBS) check. These are to ensure students' can meet the physical and emotional demands of the programme and the requirements of the School's Learning and Development agreement with Health Education England, Yorkshire and Humber for protection of the public.

Where issues are identified during application in the DBS or occupational health assessment the results will be notified to the applicant with the case being referred to a multi-professional panel for consideration.

Driving License requirements:

All Applicants require a full, clean UK driving license with *at least provisional C1* entitlement at point of entry onto the programme. Licenses with any endorsements will not be accepted. All students will be required to pass the C1 test prior to enrolment on to year 2 of the programme. Without this qualification they will be unable to progress further on the programme. Applicants should be aware that it is their responsibility to maintain a full, clean UK driving license throughout the duration of the programme and that failure to do so may prevent them from completing the sandwich year and therefore they may be unable to progress further on the programme.

English language requirements:

Minimum IELTS at 6.5 or the equivalent with a minimum of 6.0 in each sub-test.

To apply to be admitted to the HCPC register, students' must be able to communicate to the standard of Level 7 of the IELTS (or equivalent) with no element less than 6.5. One of the programme aims is to ensure that students' meet the requirements of the Health and Care Professions Council (HCPC) for eligibility to register as a Paramedic. As such the named award is linked to eligibility to apply for registration with the HCPC; we cannot therefore grant the named award unless students' meet this requirement. Students' may be asked therefore, to provide evidence of English language proficiency (this may include undertaking further testing via IELTS). Failure to meet this programme aim will result in the fall-back award being conferred.

The UCAS **tariff** applicable may vary and is published here

<http://www.brad.ac.uk/study/courses/info/paramedic-science-bsc>

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 | Incorporation of TBL to PAS5001-E Developing Paramedic Science | September 2017 |
| 2 | Added detail about the Blue Light Training, included as a zero credit weighted module Removal of programme specific waivers | November 2018 |
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References

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