**UNIVERSITY OF BRADFORD**
**Faculty of Health Studies**
**School of Allied Health Professions and Sport**
**Programme title: Certificate of Higher Education Medical Imaging**

<table>
<thead>
<tr>
<th>Awarding and teaching institution:</th>
<th>University of Bradford</th>
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<tbody>
<tr>
<td>Final award and interim award(s):</td>
<td>Certificate of Higher Education Medical Imaging [Framework for Higher Education Qualifications level 4]</td>
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<tr>
<td>Programme title:</td>
<td>Certificate of Higher Education Medical Imaging</td>
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<tr>
<td>Programme approved by</td>
<td>No PSRB approval or endorsement</td>
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<tr>
<td>Duration:</td>
<td>1 year full time</td>
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<tr>
<td>UCAS code:</td>
<td>Not applicable</td>
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<tr>
<td>Subject benchmark statement:</td>
<td>Not applicable</td>
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<td>Date produced:</td>
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**Introduction**

Support Workers and Assistant Practitioners are key members of the health and social care team in the National Health Service (NHS) and in the private health care sector. By exploiting the properties of X and gamma rays, ultrasound and magnetic fields, and understanding the ways in which they interact with body tissues, Support Workers and Assistant Practitioners role is to ensure the wellbeing and safety of people in their care and produce optimized images of the body (under guidance). At the University of Bradford, we will provide you with a supportive and multi-professional learning environment in both academic and clinical settings, to help you develop the theoretical knowledge and practical skills needed to practise as a support worker or assistant practitioner. To support its teaching, the Faculty of Health Studies research focuses on developing and advancing clinical radiographic practice which is recognised both nationally and internationally.

A distinctive feature of the Programme is the early commencement of the clinical learning component, which begins in week eight of the Programme. Clinical placements are undertaken in hospitals mainly in West Yorkshire. You will be assigned to a “home” group of hospitals where you will gain of
your clinical experience. Another distinctive feature of the Programme is the integration of the sciences studied in radiography and the associated clinical learning into themed modules. To enable this you will have access to all University learning and teaching resources, including the Division of Radiography X-ray room and picture archiving and communication system (PACS) resource. Practice based learning will see you placed at a hospital trust within Yorkshire, where you will work with and learn from clinical Radiographers providing diagnostic imaging services to the public.

The Programme articulates well with the University of Bradford mission: ‘Making Knowledge Work’. We are providers of high quality teaching, informed by internationally recognised research and knowledge transfer which enables students to achieve their educational aspirations within an inclusive, supportive and sustainable environment.

Programme Aims

The programme has been written with reference to the QAAHE Benchmark Statement for Diagnostic Radiography (2001), the Framework for Higher Education Qualifications (2008, 2011), the Health and Care Professions Council (HCPC) Standards of Education and Training (2009) and the College of Radiographers Approval and Accreditation of Education Programmes and Professional Practice in Radiography (2004). It prepares you to meet the needs of the imaging service in the NHS and Private Sector. It will enable you to:

A1 become a health care Support Worker or Assistant Practitioner who is capable of practising diagnostic radiography competently, effectively, safely and under guidance, within a multi-professional team environment, to meet service and service user needs

A2 engage in lifelong learning through the enhancement of personal transferable skills

A3 become a health care Support Worker or Assistant Practitioner who will take some responsibility for creating a sustainable future by adopting sustainable behaviours and lifestyles in the efficient use of resources and as health care professionals, provide imaging to all our service users regardless of social, economic and cultural background.

Level 4 Learning Outcomes

When you have completed this programme you will be able to:

LO1 Demonstrate knowledge of the underlying concepts and principles associated with your area of study and an ability to evaluate and interpret these within the context of health.

LO2 Demonstrate an ability to present, evaluate and interpret qualitative and quantitative data to develop lines of argument and make sound judgments in accordance with basic theories and concepts relevant to health.
LO3 Evaluate the appropriateness of different approaches to solving problems related to health.

LO4 Communicate the results of your study/work accurately and reliably, and with structured and coherent arguments.

LO5 Have the skills and understanding to undertake further training and develop new skills within a structured and managed environment.

LO6 Demonstrate the qualities and transferable skills necessary for employment requiring the exercise of some personal responsibility.

Curriculum

Graduates from the Programme will have successfully achieved a standard of education and clinical competence which will allow you to work safely and effectively reflecting the requirements of the role into which you will be appointed. During the Programme you will be required to demonstrate that you understand and fulfil the requirements of the Health and Care Professions Council Standards of Conduct, Performance and Ethics (HCPC, 2012).

Please note that although you will operate under the guidance of HCPC Standards of Proficiency (2013) and Guidance on Conduct and Ethics for Students (2016) during your studies your award of Certificate of Higher Education Medical Imaging does not gain you a professional qualification, HCPC recognition to be included onto the register nor be awarded a Licence to Practice.

To ensure you meet the relevant Health and Care Professions Council Standards of Proficiency (HCPC, 2013) you will have 21 weeks of placements in local health care facilities. During this time you will develop practical skills related to the programme learning outcomes. Clinical proficiency is assessed throughout the Programme. As these proficiencies are linked to the learning outcomes for the modules being studied, failure in clinical assessments will result in you not being eligible to pass profession specific modules and obtain a Certificate of Higher Education Medical Imaging. You will be eligible for academic credit for all successfully completed modules.

An induction programme which begins before you commence the Programme and continues throughout your year of study will enable you adapt to becoming a student studying at university for a Certificate of Higher Education Medical Imaging. A range of learning and teaching methods will encourage you to become a learner capable of independent thought and action and thus become an autonomous practitioner who is capable of working collaboratively for the benefit of your patients.

Throughout the year long Programme you will have the opportunity to study a range of subject areas including biological, physical and social sciences as well as applied topics relating to radiographic and healthcare practice.

Certificate of Higher Education Medical Imaging
Main subject areas

During the Programme you will be introduced to the profession of radiography and the principles of being a collaborative health care practitioner. Major topic areas are anatomy, physiology, pathology and radiographic techniques of the: cardiopulmonary and respiratory system; appendicular skeleton (upper and lower limbs); axial skeleton (skull, spine, and pelvis) and; abdominal organs. In support of the safe use and application of radiographic techniques you will gain and apply knowledge of the fundamentals of X-ray production, radiation protection and imaging technologies. Teaching will be delivered in lectures which will be supported by tutorials and practical sessions which will take place in the radiography clinical skills laboratory which comprises a fully functioning X-ray room, digital acquisition system, and a picture archiving and communication system (PACS) suite. This will enable you to undertake simulated X-ray examinations and view images from our medical imaging library. Carefully planned and supervised elements of teaching will be undertaken by third year radiography students. To prepare you for collaborative professional practice you will be assigned to a group with students studying on other pre-registration health Programmes. Together you will study professional issues, teamwork and study skills utilising face to face contact and on-line discussions.

Study at the University and on placement occurs in blocks throughout the academic year. Assessment takes a wide variety of formats including, at the University: computer delivered examinations, assignments; at your placement formative feedback on your skill development, objective assessment of your competence in performing a range of routine x-ray examinations and summative assessment of your competence. Throughout the Programme 100% attendance is required for placement learning and any deficit accrued has to be made good before you can pass the year and proceed to the next year of the Programme or during the final year graduate.

By the end of this year, you will be able to:

- Understand the principles of becoming a collaborative, practice ready, health care practitioner.
- Demonstrate the knowledge of and the ability to undertake, under supervision, a limited range of radiographic examinations of the appendicular and axial skeleton,
- Cardiopulmonary and respiratory systems and abdomen.
- Understand the reason for and apply principles of health and safety, including appropriate radiation protection.

<table>
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<tr>
<th>Module Code</th>
<th>Module Title</th>
<th>Type</th>
<th>Credits</th>
<th>Level</th>
<th>Study period</th>
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<tr>
<td>HEA-4012L</td>
<td>Principles of Collaborative Professional Practice</td>
<td>Core</td>
<td>20</td>
<td>4</td>
<td>S1 &amp; S2</td>
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Successfully completing both the academic and clinical assessments at this stage will make you eligible to exit the programme with an award of Certificate of Higher Education Medical Imaging

Please note:

- This award does not confer eligibility to apply for registration with the Health and Care Professions Council.

- Clinical proficiency is assessed throughout the Programme. As these proficiencies are linked to the learning outcomes for individual profession specific modules, failure in clinical assessments will result in you not being eligible to pass these modules and obtain a Certificate of Higher Education Medical Imaging You will be eligible for academic credit for all successfully completed modules.

The curriculum may change, subject to the University's Programme approval, monitoring and review procedures.

**Teaching and Assessment Strategies**

During the Programme, you will study the equivalent of 120 credits across a range of modules. A distinctive feature of the Certificate of Higher Education Medical Imaging Programme is the way it integrates theory and practice. The Programme does not have separate clinical practice modules, instead each module that you study has integrated academic and clinical practice components.

It is the need for substantial periods of clinical experience during your Programme that means the organisation of the Certificate of Higher Education Medical Imaging does not conform to the standard model adopted by this University in terms of Programme length and organisation of semesters.

The Certificate of Higher Education Medical Imaging duration one academic years The Programme is 39 weeks' duration which includes two semesters and an end of year consolidation and clinical assessment placement.
There is an equal weighting between academic and clinical study. In the Certificate of Higher Education Medical Imaging there are:

- 18 weeks of academic study, which will include lectures, tutorials, practical sessions, on-line study, on-line collaboration and private study.

- 18 weeks of clinical placement education. This occurs within hospitals and other health care environments. There are clinical placements in each semester of the Programme and an extended consolidation and assessment placement at the end of each academic year.

- Plus an additional 3 weeks to enable you to gain further experience of spine examinations and undertake an Objective patient assessment to demonstrate competence.

During academic blocks you are expected to spend on average 30 hours per week for study. Whilst you are on placement you will attend for 37.5 hours per week which includes 3½ hours for personal reflection and study. This provides a total of approximately 1312.5 hours of study across the programme.

During the Programme you will have the opportunity to learn from and alongside students and clinical staff from a wide range of health and social care disciplines. It is an essential aspect of modern health care that practitioners do not see their profession in isolation and can understand their role and communicate effectively with everyone involved in patient care. During the Programme there is a core module which gives you the opportunity to collaborate with students from other Faculty of Health Studies pre-registration Programmes.

Certificate of Higher Education Medical Imaging As part of your induction to the Programme and studying at university, the first module you will be involved in is Safe and Professional Radiographic Practice. Staff from the Radiography team, the School of Allied Health Professions and Sport within the Faculty of Health Studies (FoHS) and Learner Support Service will introduce you to the Programme and the resources which are available to support you in your learning.

Many of the sessions delivered as part of this module will find you alongside students from other Faculty of Health Studies Programmes. In the module Principles of Collaborative Professional Practice, you will be introduced to a mixed group of pre-registration health care students. During this module, which spans both semesters you will investigate the generic principles of becoming a collaborative health care practitioner. You will remain in contact and work with your group throughout the three years of the Programme giving you the chance to share developing professional knowledge and understanding. Learning about and from other health care professionals occurs throughout the Programme and is particularly encouraged whilst you are at your practice placements.
Radiography specific modules integrate all aspects of knowledge required to undertake the examinations or procedures being studied. For example in the module Radiography of the Appendicular Skeleton and Chest you will study the anatomy, physiology, common pathology and radiographic technique (which includes care of the patient) of the appendicular skeleton (which is the upper and lower limb) and chest. You will be introduced to physical concepts such as fundamentals of X-ray production and exposure factors. This integrated approach ensures that you will acquire all relevant knowledge to be able to undertake X-ray examinations of the body systems being studied. Being able to observe X-ray examinations being performed in practice and then have the opportunity to undertake examinations is an essential element of this Programme. As part of all modules in the Programme, clinical placements are integrated into the learning, teaching and assessment strategy. Therefore each semester has a blend of academic study and clinical learning. In week eight you will attend your allocated clinical placement for the first time and work alongside qualified radiographers then, under supervision, undertake X-ray examinations.

The underpinning physical sciences, for example the production and interactions of X-rays, are studied at a fundamental level in year 1 and then are built upon in years 2 and 3 where more complex imaging procedures and principles are studied.

**Assessment Regulations**

This Programme conforms to the general principles set out in the standard University Assessment Regulations which are available at the following link:


**Admission Requirements**

The University welcomes applications from all potential students regardless of their previous academic experience; offers are made following detailed consideration of each individual application. 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 the programme. This is assessed your personal statement, support from your line manager and mentor. Academic entrance requirements for university programmes vary but consideration of your application will be based on a combination of your formal academic qualifications and other relevant experience e.g. currently working in a health or social care environment delivering direct care to service users

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

A typical offer to someone seeking entry would be 120 UCAS points from any combinations of A levels, Vocational A levels, BTEC, OCR and AS awards to include at least 1 full A level or 1 vocational award of equal depth and volume, NVQ Level 3 in Health and Social care.
Plus English GCSE grade C or above, or the key skill Level 2 equivalent.

If your first language is not English, you will need to provide proof of your English proficiency before admission. You will need to satisfy the University that you meet the International English Language Testing System (IELTS) with an overall band of at least 6.0 with no less than 5.0 for any individual section. However, applications are welcome from those candidates studying non-standard qualifications.

On completion of an application form you may be invited to the Faculty for interview and maths and English assessment when you will have the opportunity to meet staff and view the facilities. Offers made to candidates who are studying non-standard qualifications will be bespoke to reflect the individual's program of study.

'All places offered on the Programme are also subject to the candidate’s ability to meet non-academic requirements; these include assessment by an occupational health department and assessment via an enhanced Disclosure and Barring Service (DBS) check. These are to ensure the student can meet the physical and emotional demands of the programme and the requirements of the Schools Learning and Development agreement with Health Education Yorkshire and Humber (HEYH) 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 and/or candidate as well as the actions proposed by a multi-professional panel.

**Learning Resources**

The JB Priestley Library on the city campus and our specialist library in the School of Management provide a wide range of printed and electronic resources to support your studies. We offer quiet study space if you want to work on your own, and group study areas for the times when you need to discuss work with fellow students. Subject librarians for each School provide training sessions and individual guidance in finding the information you need for your assignment, and will help you organise your references properly.

Student PC clusters can be found in all our libraries and elsewhere on the campus. Many of these are open 24/7. You can also use the University's wireless network to access the internet from your own laptop. Most of our online journals are available on the internet (both on and off campus), and you can also access your University email account, personal information and Programme-related materials this way.

Staff are on hand during the daytime to help you if you get stuck, and there is a 24/7 IT helpline available.

The Faculty of Health Studies is based in the Horton A Building which houses a number of specialised clinical skills suites. These include a fully functional X-ray room which utilises computed radiography image acquisition and a PACS (picture archiving and communication system) suite which allows students access to a large database of medical images.
Student Support and Guidance

Programme Team

Support for you personally and in your Programme of study, will be provided both by the University and the Programme Team. You will be allocated a Personal Academic Tutor who is someone with whom you will be able to talk about any academic or personal concerns. As part Certificate of Higher Education Medical Imaging programme your personal academic tutor will support a group of students who have their clinical placements within a group of hospitals. At the beginning of the Programme you will be assigned to a host group of hospitals and a member of academic staff will assume the role of personal tutor for the students within that group. Your personal tutor will therefore be in a key position to liaise with staff in your host departments to ensure you gain the required experience and monitor your progress whilst on placement. Your Personal Development Portfolio is an essential tool to both direct and record your personal development.

The School will ensure that there is someone available with whom you feel comfortable to help and support you. You will be provided with a comprehensive School and Programme handbook that you can consult on a range of learning and assessment issues and your Programme tutors will be available to consult on subject specific queries.

Clinical Placement Support

There are a number of people who will provide support for you whilst you are on clinical placement. Clinical education is organised by a University lecturer, the Clinical Education Co-ordinator. However, your Personal Academic Tutor will organise your placement and undertake supervisory meetings with you and members of the placement team.

Whilst undertaking any imaging procedures, you must be supervised at all times by a qualified clinical radiographer. In each department there is a named radiographer who will undertake the role of Clinical Supervisor. This person will support you by being a source of information about any aspects of clinical radiography. They will help you complete clinical learning objectives and assessments, which are part of your Professional Development Portfolio. They will also liaise with your Personal Academic Tutor to ensure you are gaining the appropriate clinical experience and feedback on your personal development. Your Clinical Supervisor is there to ensure you get appropriate clinical learning. If you have any problems they are on site and can be approached in confidence about any issues you might encounter. They may refer you to your Personal Academic Tutor for further advice.

It is important to note that each medical imaging department has its rules, regulations and protocols which you must abide by. The imaging department and its staff are there to provide a service to the public and their primary duty is to ensure the safety of patients and other service users. Therefore whilst on placement you are accountable to the Medical Imaging
Services Manager for your placement hospital. The Division of Radiography maintains close liaison with medical imaging services staff.

As part of our protection of the public and to facilitate your wellbeing you may be referred back to occupational health and or the schools fitness to practice panel if issues arise during your Programme.

**Students’ Union**

We value the feedback provided by students and collaborate with the Students’ Union, through a system of Programme representatives and formal staff student liaison committees, so that any issues you wish to raise are addressed rapidly.

The Students’ Union and the University of Bradford work in partnership to provide confidential counselling and welfare services where you can get help with any aspect of your personal or academic life. Student Financial and Information Services (based in the Hub) will provide you with information about a diverse range of issues such as council tax, personal safety and tourist information. International Students can access a range of additional advice and support services through the Student’s Union.

**Employability and Career Development**

The University is committed to helping students develop and enhance their employability profile and capabilities through learning opportunities embedded within the curriculum.

Furthermore, the University is committed to supporting students to develop their commitment towards a career pathway(s) and to implementing a career plan. Professional career guidance and development support is available throughout your time as a student and as a graduate from Career Development Services. The support available from Career Development Services includes a wide range of information resources, one to one appointments, a weekly workshop programme, a mentoring programme, graduate recruitment and careers fairs, plus information and help to you find part time work, summer work placements, graduate internship programmes and graduate entry vacancies. In addition, some students as part of their programme of study may have the opportunity to complete a Career & Personal Development accredited module delivered by the Career Development Service.

All students are encouraged to access Career Development Services at an early stage during their studies and to use the extensive resources available on their web site [www.careers.brad.ac.uk](http://www.careers.brad.ac.uk).

Career Development Services annually undertakes a survey of all graduates to find out their destination six months after graduation. The survey gathers data on the employment and further study routes graduates have entered and a range of other information including job roles, name and location of employers, salary details etc. The survey findings for each programme of study are presented on the programme information pages on the University
Specific to this programme, the number of places available is determined by the National Health Service dependant on demand for Support Workers and Assistant Practitioners in the workforce and Health education Yorkshire and the Humber commissioning numbers. Students gain practical work experience throughout the Programme and therefore gain the practical experience required by employers. Students build up a portfolio of evidence of their professional development throughout the Programme and they receive feedback via formative assessment of their development of personal transferable skills which helps to prepare them for the world of work.

**Academic Skills Service**

For undergraduate students who are looking to improve their marks during their time at university, study skills and maths advice is available to all regardless of degree discipline or level of study. Students can access a programme of interactive workshops and clinics which is delivered throughout the year. This is in addition to our extremely popular face-to-face guidance from our advisers, who also offer a wide range of online and paper based materials for self-study.

[http://www.bradford.ac.uk/academic-skills/index.php/](http://www.bradford.ac.uk/academic-skills/index.php/)

**Disability**

Disabled students will find a supportive environment at Bradford where we are committed to ensuring that all aspects of student life are accessible to everyone. The Disability Service can help by providing equipment and advice to help you get the most out of your time at Bradford and is a place where you can discuss any concerns you may have about adjustments that you may need, whether these relate to study, personal care or other issues. For more information contact the Disability Service by phoning: 01274 233739 or via email: disabilities@bradford.ac.uk

Students of the School of Health Studies who are supported through the disability office and or following an occupational health assessment will have a learning support report that also includes reasonable adjustment advice for clinical practice settings.

**University Policies and Initiatives**

**Learning and Teaching**

Our University approach to learning, teaching and assessment is encapsulated by an integrated set of themes and principles within our Curriculum Framework. All of our degree programmes have been designed to provide you with an inclusive and engaging learning environment which gives you the opportunity to thrive and develop in your area of study. Our
research-informed programmes have a particular focus on developing your employability. We also place a strong emphasis on collaborative, real-world and enquiry-based learning, supported by appropriate learning technologies. Our assessment is designed not just to measure your achievement, but also to shape and guide your learning through preparing you for the increasing level of challenge as you progress through your degree. Together, these lead to you developing a distinctive set of graduate attributes which will prepare you for life beyond university.

The contents of this programme specification may change, subject to the University's regulations and Programme approval, monitoring and review procedures.

5.10.2016