Programme Specification

Therapeutic Radiography {Apprenticeship-UWE} [Glenside]

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Section 1: Key Programme Details

Part A: Programme Information

Programme title: Therapeutic Radiography {Apprenticeship-UWE} [Glenside]

Highest award: BSc (Hons) Therapeutic Radiography

Default award: BSc (Hons) Health and Social Studies

Interim award: BSc Health and Social Studies

Interim award: DipHE Health and Social Studies

Interim award: CertHE Health and Social Studies

Awarding institution: UWE Bristol

Teaching institutions: UWE Bristol

Study abroad: Yes

Year abroad: No

Sandwich year: No

Credit recognition: No

School responsible for the programme: HAS School of Health and Social Wellbeing, Faculty of Health & Applied Sciences

Professional, statutory or regulatory bodies:

Health and Care Professions Council (HCPC)

Society and College of Radiographers (CoR)

Apprenticeship: ST0620

Modes of delivery: Full-time

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

Tariff points: 120
GCSE: Grade C/4 or above in English Language or Literature, Mathematics and Double Science, or equivalent.

A-level subjects: Grade C in a Science subject.
Relevant subjects: Subjects that meet the Science requirement for this course: Biology, Human Biology, Chemistry, Mathematics, Physics, Psychology. Applicants with other Science subject that have a strong academic profile will be considered on an individual basis.
EDEXCEL (BTEC) Diploma: Six units in a Science subject.
Access: 15 Level 3 credits at Merit in a Science subject.
Baccalaureate IB: A minimum Grade 5 in a Higher Level Science subject.

For implementation from: 01 November 2021

Programme code: B82K00

Section 2: Programme Overview, Aims and Learning Outcomes

Part A: Programme Overview, Aims and Learning Outcomes

Overview: The main aim of the BSc (Hons) Therapeutic Radiography programme is to ensure that Therapeutic Radiographers qualifying from the University of the West of England, Bristol, are fit for practice and purpose by being adaptive, reflective, competent practitioners and critical thinkers.

The programme aims to enable you to embrace the role of the radiographer as a practitioner, a support, leader and an advocate to the patient.

Graduates should be able to take responsibility for their own personal and professional development and be able to implement safe, ethical and effective delivery of radiotherapy services in a wide variety of inter-professional and multicultural contexts.

As the only provider of radiotherapy education in the South West of England, you are in the unique position to be able to make a difference to the local communities that we serve. Utilising a range of clinical placements and simulated practice scenarios,

you will be given opportunities to use specialised equipment to enable development and consolidation of your graduate attributes.

In the BSc (Hons) Therapeutic Radiography programme you have access to a range of technology enhanced learning opportunities that include Virtual Environment of a Radiotherapy Treatment room (VERT), radiotherapy planning computers, radiographic software applications as well as university wide simulation technology. You will have the opportunity of small group practical work in a fully functioning X-ray room and CT scanner to further enhance and consolidate your learning.

The programme prides itself on the variety of methods used to deliver academic content that includes the use of expert practitioners, standardised patients, service user expertise, online facilitation and technology enhanced teaching tools with innovative assessment strategies. An androgenic and student-centred approach to learning is adopted where you are encouraged and enabled to take responsibility for your own learning.

At the heart of the programme are the 6 design principles:- programmatic by design, discipline and practice orientated, scholarly based, inclusive and international, graduate attribute enabling, trans-formative for staff and students. This enables the programme to be:

Strategically resonant: reflecting the institution’s strategic priorities in discipline specific, practice oriented and contextually meaningful ways;

Enhancement-led: ensuring that enhancement lies at the heart of all curriculum and pedagogic development and review work;

Shared endeavours: engaging students, academic and professional services staff, employers and professional, statutory and regulatory bodies in meaningful partnership to co-create outstanding programmes and outstanding academic practice.

Features of the programme: Distinct features include:
Student ownership of continuing personal and professional development is facilitated by the use of a professional practice portfolio. This provides the basis for a personal CPD file which facilitates lifelong learning.

Student-centred learning in professional practice settings is facilitated by the use of pre-determined placement competencies.

There are opportunities at all levels for collaborative learning with jointly designed modules with other health and social care professions for a number of core modules including anatomy and physiology, research principles and an innovative level 6 heath informatics based module.

Access to a dedicated CT scanner, VERT system and radiotherapy planning system will enable a range of simulated practice experiences throughout the degree.

The placements ensure UWE students possess excellent transferable skills, such as adaptability, communication strategies, effective team working and resilience. This improves digital fluency, enhances critical thinking, and promotes a professional forward looking graduate.

Formative and summative simulated practice experiences throughout the degree programme utilising clinical staff and service users and standardised patients enables you to develop key skills and graduate attributes in a safe “modelled” environment.

Educational Aims: The programme aims to:

Fulfil the requirements to be eligible to apply for registration with the Health and Care Professions Council (HCPC) with the protected title of Therapeutic Radiographer, and membership of the Society and College of Radiographers (SCoR).

Develop safe and effective practitioners who undertake a reflective and evaluative approach to their professional practice, whilst promoting a value base that respects

culture, equality and diversity.

Enable graduates to be effective in self-management approaches, to develop leadership potential, and proactively engage in the process of research, lifelong learning and continuing professional development (CPD).

Understand and implement research-based and evidence-based practice in order to appreciate the broader context of health and social care activities.

Develop key interpersonal and professional skills in order to function effectively within the healthcare environment

Programme Learning Outcomes:

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

Programme Learning Outcomes

PO1. Practise safely and competently within an ethical and legal framework within their scope of practice, abiding by the standards of conduct, performance and ethics expected of HCPC registrants and The Society and College of Radiographers.

PO2. Apply current legislation and guidelines governing the safe and effective delivery of ionising and non-ionising radiation.

PO3. Integrate theory with practice using critical analysis, evaluation, reasoning and problem-solving skills in order to enhance practice.

PO4. Adopt a holistic approach to the delivery of radiotherapy, which is responsive to the needs of the individual and service.

PO5. Be flexible and adaptable to change, and develop leadership abilities, taking responsibility for personal well-being and continuing professional development.

PO6. Undertake a reflective and evaluative approach to professional practice, engaging in research evidence to develop and support radiotherapy practice.

PO7. Work within an interprofessional framework using autonomous judgement to support patient care pathways.

PO8. Utilise a range of communication strategies to ensure the effective support of the individual and service.

Assessment strategy: The Therapeutic Radiography apprenticeship has a coherent assessment strategy which plays out across the programme and integrates the learning taking place at each level. A range of assessment strategies are employed throughout the programme to aid your engagement and enhance the inclusivity of the learning experience. Assessments are designed to be meaningful and relate to real world situations in both simulated and real-life clinical environments. The different range of assessment methods used provides the opportunity to analyse your ability within different contexts and environments.

Within each module, you are guided through the assessment strategy by ensuring that a formative feed forward/feedback approach is adopted. Practice assessments and draft submissions are encouraged. With presentations, you will undertake step-by-step exposure to carrying out this type of task: firstly, by creating low stakes opportunities for you to work and present in small groups at regular opportunities before having to present as a summative assessment. Wherever possible, formative assessment opportunities will enable you to gain an understanding of the process.

Assessments are designed to reflect the progressive nature of the learning activities. Exam based assessments at level 4 will allow you to demonstrate your knowledge of the core competencies and evidence base whilst written assignments introduce you to searching for evidence, academic writing skills and transfer of knowledge. At level 5 and 6 you will develop your enquiry based research by undertaking a range of assessments including poster design, research project, and reflective writing designed to be meaningful and integral to “real world” experiences of health care practice. Competency based practical skills assessments throughout all three years allow you to link theory to practice. Using autonomous judgement to support your progress in clinical practice, you will produce a coherent and meaningful portfolio of evidence that can be taken forward into professional practice beginning the process of continued professional development and life-long learning.

Student support: Whilst on the BSc (Hons) Therapeutic Radiography programme you can access a range of support and library facilities, including the UWE Glenside Library; one of the best Libraries for Health and Social Care in the South West of England.

During the programme you have access to a range of technology enhanced learning opportunities that include VERT, radiotherapy planning computers, CT scanner and radiographic software as well as university wide simulation technology. Collaborative partnerships with external stakeholders will allow you to gain experiences of advancing technologies in radiotherapy such as proton therapy.

The programme prides itself on the variety of methods used to deliver academic content that includes the
use of expert practitioners, service users, standardised patients, online facilitation and technology enhanced teaching tools with innovative assessment strategies. An andragogic and student-centred approach to learning is adopted where you are encouraged and enabled to take responsibility for your own learning.

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
UZYYE6-30-1	Clinical Radiotherapy Practice 1 2022-23	30
UZYYE7-30-1	Foundation of Clinical Applications for Radiotherapy 2022-23	30
UZYYDM-30-1	Foundation of Imaging Science and Technology 2022-23	30

UZYYE8-15-1	Fundamentals of Human Anatomy and Physiology (Therapeutic Radiography) 2022-23	15
UZYYE9-15-1	Principles of Oncology and Radiotherapy 2022-23	15

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

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

Module Code	Module Title	Credit
UZYYEA-30-2	Clinical Radiotherapy Practice 2 2023-24	30
UZYYEB-15-2	Foundation of Radiotherapy Planning and Simulation 2023-24	15
UZYYDT-15-2	Health Psychology and Wellbeing for Radiographers 2023-24	15
UZYYEC-15-2	Informing Practice through Research and Inquiry (Therapeutic Radiography) 2023-24	15
UZYYED-30-2	Intermediate Clinical Applications for Radiotherapy 2023-24	30
UZYYEE-15-2	Intermediate Therapeutic Radiography Studies 2023-24	15

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

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

Module Code	Module Title	Credit
UZYYLM-30-3	Advanced Radiotherapy Practice 2024-25	30

UZYYEG-15-3	Cancer Care and Communication Skills in Radiotherapy 2024-25	15
UZYYLN-30-3	Clinical Radiotherapy Practice 3 2024-25	30
UZYY9Q-15-3	Healthy Futures 2024-25	15
UZYYEH-30-3	Research and Evidence in Practice (Therapeutic Radiography) 2024-25	30

Part C: Higher Education Achievement Record (HEAR) Synopsis

Radiotherapy graduates will demonstrate knowledge, skills and attributes necessary to provide effective and holistic care for patients. Graduates will be able to integrate theory with practice using critical analysis, reasoning and autonomous judgment. They will undertake multi-professional team working and communicate effectively with service users, carers and the wider healthcare team. They will be competent, reflective practitioners with an understanding of clinical and key performance indicators with the ability to critique and review research evidence to inform practice. Radiotherapy graduates will adhere to professional codes of conduct and ethics and upon qualification be fit to practice as entry-level therapeutic radiographers.

Part D: External Reference Points and Benchmarks

The apprenticeship reflects the philosophy, core values and skills and knowledge base as described in a range of profession specific drivers. At its core, the apprenticeship's learning outcomes are built on the Health and Care Professions Council's Standards of Proficiency for Radiographers; Standards of Education and Training, Guidance on Student Conduct and Ethics. This is further supported by the Standard of education and practice requirements-indicative curriculum- set by the Society and College of Radiographers which comprehensively outlines the requirements for the education and training of radiographers in the UK.

The UWE Enhancement Framework is embedded at all levels of study with particular reference to providing a strong student focus, ensuring the best experience both academically and socially; to ensuring open and responsive communications and

showing full commitment to equity, fairness and inclusivity with a “can do approach”.

The design of the BSc (Hons) Therapeutic Radiography apprenticeship programme at all levels is based on the reference points and benchmarks set out by the:

Health and Care Professions Council (2014) Standards of Education and Training. HCPC: London
Health and Care Professions Council (2012) Guidance on Conduct and Ethics for Students. HCPC: London
Health and Care Professions Council (2013) Standards of Proficiency: Radiographers HCPC: London
Society and College of Radiographers (2009) Approval and accreditation board handbook SCoR: London
Society and College of Radiographers (2012) Quality Standards for Practice Placements SCoR: London
Society and College of Radiographers (2013) Code of conduct and ethics ScoR: London
Society and College of Radiographers (2013) Scope of Practice SCoR: London
Society and College of Radiographers (2004) The Approval and Accreditation of Education Programmes and Professional Practice in Radiography: Guidance on Implementation of Policy and Principles SCoR: London
University of the West of England, Bristol (2014) Sustainability Plan 2013 – 2020. UWE, Bristol. [Online] Available at: http://www1.uwe.ac.uk/aboutus/visionandmission/sustainability/sustainabilityaction/sustainabilitydocuments.aspx
UWE 2030 Strategy.

Our networks with service providers, are part of this outstanding learning experience, as are our many supportive service users who come in to teach, interview applicants for the programme and help with curriculum development. The City of Bristol College works closely with the University of the West of England and other stakeholders at a strategic level to provide a strong focus for widening participation within the City.

Education for Sustainable Development UWE is committed to ensuring that its students and future graduates, are equipped with the skills knowledge and attributes that will enable them to thrive in the challenging environment of the 21st century. As part of this commitment the university has developed a comprehensive approach to embedding Education for Sustainable Development (ESD) within the curricula of the University (UWE, 2014). The programme team maintains strong links with the Society and College of Radiographers (SCoR) with several being members of national fora. Some members of the team retain a clinical work load, whilst others are research active – this contributes to the student learning experience, and ensures the teams' awareness of current developments and issues within the profession.

There are bi-annual stakeholder meetings for practice educators to feed into programme developments, practice placement design and practice assessment. Quarterly meetings with clinical service managers from the region allows for discussions and collaboration on programme delivery, design and enhancement strategies. A yearly monitoring form is completed for SCoR. All of these mechanisms allow for evaluation, reflection, feedback and changes to the programme to enhance quality and ensure a programme is designed to be, engaging, innovative and fit for purpose.

Part E: Regulations

Approved to Variant University Regulations and Procedures