



## Course Specification Template

This specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if they take full advantage of the learning opportunities that are provided.

We undertake continuous review of our courses to ensure quality enhancement and professional relevance, in response to student and other stakeholder feedback and to manage our resources. As a result, this course may be revised during a student's period of registration. Major changes to courses and modifications to courses are approved following consideration through the University College's Course Approval and Review processes or Course and Unit Modification policy, as appropriate; Any changes will be balanced against our obligations to students as set out in our Student Agreement and will be discussed with and communicated to students in an appropriate and timely manner.

### Basic Course Information

<b>Final award and title</b>	BSc (Hons) Radiography (Radiotherapy and Oncology)	<b>Course Code</b>	BSRROF
<b>FHEQ level and credit of final award</b>	Level 6		
<b>Intermediate awards titles</b>	Cert HE Radiographic Sciences Dip HE Radiographic Sciences		
<b>FHEQ level and credit of intermediate award</b>	Cert HE Radiographic Sciences (120 credits (60 ECTS) at Level 4) Dip HE Radiographic Sciences (120 credits (60 ECTS) at Level 4 and 120 credits (60 ECTS) at Level 5)		
<b>Awarding Institution</b>	AECC University College		
<b>Teaching Institution</b>	N/A		
<b>Professional, Statutory and Regulatory Body (PSRB) accreditation/recognition</b>	Health & Care Professions Council		
<b>Duration of PSRB accreditation/recognition where applicable</b>	There is ongoing accreditation with the Health & Care Professions Council (HCPC)		
<b>Mode of study</b>	Full-time		
<b>Distance Learning course</b>	No		
<b>Standard length of course</b>	3 years full-time for BSc students entering at L4 4 years full-time (with L3 Foundation Year)		
<b>Language of delivery</b>	English		
<b>Place of delivery</b>	AECC University College		
<b>UCAS code (where applicable)</b>	B822 (L4 Entry) B824 (L3- Foundation Year Entry)		

<b>HECOS Code(s)</b>	100132
<b>Date Course initially approved</b>	12 August 2020
<b>Version number</b>	2.1
<b>Date this version approved</b>	31 July 2024
<b>Academic year from which this applies</b>	2024 - 25
<b>Author</b>	Kyle Cox

## Course Overview

### 1. Admissions regulations and entry requirements

The regulations for this Course are the University College's Standard Admission Regulations which may be found from the [Latest Policies webpage](#). These regulations include the general entry requirements and specific requirements regarding English language. The detailed entry requirements for the course may be found from the relevant course page on the University College website.

Entry into this course is also available via the completion of the Integrated Foundation Year. The details of the Foundation Year are available in the standalone Course Specification. Entry Requirements are available on the Course Search area of the University Website.

#### Recognition of Prior Learning (RPL)

AECC University College has a Recognition of Prior Learning Policy which can be found from the [Latest Policies webpage](#)

### 2. Additional entry requirements

All applicants who meet the entry requirements will be interviewed in line with Health Education England's' Values Based Recruitment Framework, based on the NHS Constitution.

Successful applicants will require a current enhanced Disclosure and Barring Service (DBS) check and Occupational Health clearance.

### 3. Aims of the course

The aims of the course are to:

- Develop the relevant skills, knowledge and professionalism to meet the standards of proficiency and education laid out by the Health and Care Professions Council, and the Society and College of Radiographers to be eligible for registration as a radiographer specializing in radiotherapy and oncology.
- Guide students through a progressive cycle of experience to develop into an autonomous, reflective and critical lifelong learner who is committed to continued development in radiotherapy and oncology.
- Prepare learners for a career in healthcare by gaining the relevant professional skills and values, including for example, empathy, and communication skills required for the clinical provision of care as part of a multidisciplinary team.
- Enhance the clinical, academic, social, and transferable skills of the student to thrive in an ever-changing healthcare environment.
- Develop graduates who can understand and apply sound scientific, research and technological principles to ensure the delivery of safe practice for radiotherapy service provision.

### 3. Aims of the course

- Equip learners to understand and apply clinical guidelines, legislation, and professional/statutory regulations using evidenced best practice within the planning and delivery of radiotherapy and oncology services.

### 4. Course Learning Outcomes – what students will be expected to achieve

**This course provides opportunities for students to develop and demonstrate knowledge and understanding, qualities, skills and other attributes in the following areas:**

#### Subject Knowledge and Understanding

Having successfully completed this course students will be able to demonstrate knowledge and understanding of:

- A1 Principles of human anatomy and physiology
- A2 Histology and pathophysiology of disease processes and oncology
- A3 Application of radiotherapy practice
- A4 Radiation physics and radiobiology
- A5 Current advances in radiotherapy practice
- A6 Psychological principles and practices applicable in professional practice and patient care
- A7 Underpinning principles of research practices, data collection and analysis, ethical considerations, information and clinical governance in the healthcare sector
- A8 Healthcare policy and structure, and the integration and application of these in the wider health and social care arena

**The methods used to enable outcomes to be achieved and demonstrated are as follows:**

#### Teaching and Learning Methods

Foundational knowledge of theoretical principles and concepts and their practical application in cancer management in general and Radiotherapy in particular are developed through seminars, small group interactions and discussion groups supported by guided reading, independent study, practical skills, development sessions in the units identified below.

A1 & A2 are covered in RAD4012 Anatomical Systems for Imaging & Radiotherapy & RAD4005, RAD4015, RAD5005 & RAD6005

A3 & A6 – the three clinical units: RAD 4011 Professional Practice and Patient Care for Radiotherapy, RAD5012 Professional Practice and Wellbeing for Radiotherapy and, RAD6010 Professional Practice and Clinical Confidence for Radiotherapy.

A4 – RAD4002 Radiation Physics RAD4015, RAD5002 Planning and Dosimetry

A5 - RAD6012 Imaging for Radiotherapy & RAD6013 Advances in Radiotherapy & Oncology Practice

A7 - RAD4013 Introduction to Evidence Based Practice, RAD5015 Research Methodologies & RAD6011 Practice Based Project

A8 - RAD4011 Professional Practice and Patient Care for Radiotherapy & RAD4013

#### Assessment Methods

A1-8 are assessed by course work, practice assessment of fundamental clinical skills, written examination, presentations, and case studies in the units identified above

<p><b>Cognitive Skills</b></p> <p>Having successfully completed this course students will be able to:</p> <p>B1 Critically evaluate, interpret and integrate knowledge for academic study and development</p> <p>B2 Apply problem solving skills effectively, independently and to integrate as part of a team</p> <p>B3 Systematically search and evaluate literature to guide professional development</p> <p>B4 Appraise, interpret and critique data from a wide range of sources and literature</p> <p>B5 Synthesise knowledge and learning into practice for real world application</p>	<p><b>Teaching and Learning Methods</b></p> <p>Core information is presented through a range of learning tasks in workshops, seminars in RAD4013 Introduction to Evidence Based Practice. Students can then engage with directed personal study time to strengthen this learning through enquiry-based learning.</p> <p><b>Assessment Methods</b></p> <p>All LO's are assessed through a range of assessment types including reflective essays, practice skills assessments case study presentations and research outputs.</p>
<p><b>Practical Skills</b></p> <p>Having successfully completed this course students will be able to:</p> <p>C1 Communicate effectively with patients and colleagues using a variety of terminologies to ensure understanding of complex concepts and ideas.</p> <p>C2 Critically reflect upon clinical practice decisions and to instigate change in order to adhere to practice guidelines</p> <p>C3 Undertake radiotherapy procedures in a safe, effective and competent manner</p> <p>C4 Interpret and evaluate these procedures to ensure effective patient management</p> <p>C5 Monitor and review management interventions and be able to intervene and modify care in accordance with clinical guidelines</p>	<p><b>Teaching and Learning Methods</b></p> <p>C1 – C5 will be developed throughout the course with learners participating in clinical experience activities under the supervision, guidance and support of qualified and experienced radiographers and other relevant healthcare professionals.</p> <p>These experiences, usually gained in local radiotherapy and oncology departments are supported with campus-based simulation activities and online virtual placements within RAD4011 Professional Practice and Patient Care for Radiotherapy (year 1); RAD5012 Professional Practice and Wellbeing for Radiotherapy (year 2); RAD6010 Professional Practice and Clinical Confidence for Radiotherapy (year 3).</p> <p><b>Assessment Methods</b></p> <p>Achievement of emerging and developing clinical skills, capabilities and action plans are monitored and assessed within a Practice Assessment Document which contains a combination of a framework of fundamental skills (C1, C3) case scenarios and reflections (C2, C4 and C5).</p>
<p><b>Transferable skills</b></p> <p>Having successfully completed this course students will be able to:</p>	<p><b>Teaching and Learning Methods</b></p> <p>D1- D3 and D5-D6 are introduced via clinical placement preparation seminars in RAD 4011 Professional Practice and Patient Care for Radiotherapy. Advanced communication</p>

<p>D1</p> <p>D2</p> <p>D3</p> <p>D4</p> <p>D5</p> <p>D6</p> <p>D7</p>	<p>Effectively communicate to service users, healthcare professionals and inter-agency groups</p> <p>Undertake reflective practice around personal, professional and academic practices and development</p> <p>Optimise productivity through the use of effective time management skills.</p> <p>Develop and undertake research, service evaluations and clinical audits for the further development of practice</p> <p>Integrate as a productive member of a team, in a supportive and constructive manner</p> <p>Deal with challenge and critique in a progressive manner to further benefit themselves and partners</p> <p>Utilise information technology effectively to optimise productivity.</p>	<p>skills required for those patients with additional needs (D1) forms part of the syllabus in RAD5012 Professional Practice and Wellbeing for Radiotherapy. This learning is consolidated, connected and applied in the year 3 clinical unit, RAD6010 Professional Practice and Clinical Confidence for Radiotherapy.</p> <p>D4 is introduced as a theme during RAD4013 Introduction to Evidence Based Practice seminars, followed up in RAD5015 Research Methodologies and applied in RAD6011 Practice Based Project</p> <p><b>Assessment Methods</b>  D1- D3 and D5-D6 are assessed formatively through feedback on clinical performance provided by clinical supervisors during clinical placements and summatively via a framework of fundamental skills, part of the practice assessment document in RAD4011 Professional Practice and Patient Care for Radiotherapy, RAD5012 Professional Practice and Wellbeing for Radiotherapy and, RAD6010 Professional Practice and Clinical Confidence for Radiotherapy.</p> <p>D4 is assessed via a written assignment in RAD4013 Introduction to Evidence Based Practice (written report describing, with examples, how to perform a literature search and review), production of a research proposal in RAD5015 Research Methodologies and research output in RAD 6011 Practice Based Project.</p> <p>Information technology and digital platforms play an essential part in the planning and delivery of radiotherapy and patient record keeping; therefore, D7 is demonstrated and assessed through application in the three clinical units RAD 4011, 5012 &amp; 6010. Other IT skills such as searching electronic journal databases are developed and assessed primarily in the three research units (RAD4013, RAD5015 &amp; RAD6011),</p> <p>Word processing skills and the construction of spreadsheets are developed across all units with written coursework assessments and the use of MS PowerPoint / Publisher &amp; similar platforms is employed and assessed for example in RAD5012 Professional Practice and Wellbeing for Radiotherapy (poster assessment) &amp; RAD6013 Advances in Radiotherapy &amp; Oncology Practice (Oral presentation).</p>
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<p><b>Professional competencies (Behaviours &amp; Values)</b></p> <p>Having successfully completed this course students will be able to</p> <p>E1 Apply ethical and professional values and codes of conduct to personal and/or group decisions, actions, responsibilities and outcomes within complex and inter-related contexts.</p> <p>E2 Take responsibility for the critical evaluation of own capabilities and development using established criteria in familiar and unfamiliar contexts.</p>	<p><b>Teaching and Learning Method</b></p> <p>Professional competencies are developed through clinical placement experience, reflection and case discussions in RAD6010 Professional Practice and Clinical Confidence for Radiotherapy</p> <hr/> <p><b>Assessment Methods</b></p> <p>Practice Assessment Document and Case Discussion in RAD 6010 Professional Practice and Clinical Confidence for Radiotherapy (E1, E2)</p>
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<p><b>Intermediate exit award outcomes</b></p> <p><b>Certificate in Higher Education</b></p> <p><b>Subject Knowledge and Understanding</b></p> <p>Having successfully completed this course students will be able to demonstrate knowledge and understanding of:</p> <p>A1 Principles of human anatomy and physiology</p> <p>A2 Histology and pathophysiology of disease processes and oncology</p> <p>A4 Radiation physics and radiobiology</p> <p>A5 Current advances in radiotherapy practice</p> <p>A6 Psychological principles and practices applicable in professional practice and patient care</p> <p>A7 Underpinning principles of research practices, data collection and analysis, ethical considerations, information, and clinical governance in the healthcare sector</p> <p><b>Cognitive Skills</b></p> <p>Having successfully completed this course students will be able to:</p> <p>B1 Critically evaluate, interpret and integrate knowledge for academic study and development</p> <p>B2 Apply problem solving skills effectively, independently and to integrate as part of a team</p> <p>B3 Systematically search and evaluate literature to guide professional development</p> <p><b>Practical Skills</b></p> <p>Having successfully completed this course students will be able to:</p> <p>C1 Communicate effectively with patients and colleagues using a variety of terminologies to ensure understanding of complex concepts and ideas.</p> <p><b>Transferable skills</b></p> <p>Having successfully completed this course students will be able to:</p> <p>D1 Effectively communicate to service users, healthcare professionals and inter-agency groups</p>
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- D2 Undertake reflective practice around personal, professional and academic practices and development
- D7 Utilise information technology effectively to optimise productivity.

## **Diploma in Higher Education**

### **Subject Knowledge and Understanding**

Having successfully completed this course students will be able to demonstrate knowledge and understanding of:

- A1 Principles of human anatomy and physiology
- A2 Histology and pathophysiology of disease processes and oncology
- A3 Application of radiotherapy practice
- A4 Radiation physics and radiobiology
- A5 Current advances in radiotherapy practice
- A6 Psychological principles and practices applicable in professional practice and patient care
- A7 Underpinning principles of research practices, data collection and analysis, ethical considerations, information and clinical governance in the healthcare sector

### **Cognitive Skills**

Having successfully completed this course students will be able to:

- B1 Critically evaluate, interpret and integrate knowledge for academic study and development
- B2 Apply problem solving skills effectively, independently and to integrate as part of a team
- B3 Systematically search and evaluate literature to guide professional development
- B5 Synthesise knowledge and learning into practice for real world application

### **Practical Skills**

Having successfully completed this course students will be able to:

- C1 Communicate effectively with patients and colleagues using a variety of terminologies to ensure understanding of complex concepts and ideas.
- C3 Undertake radiotherapy procedures in a safe, effective and competent manner
- C4 Interpret and evaluate these procedures to ensure effective patient management

### **Transferable skills**

Having successfully completed this course students will be able to:

- D1 Effectively communicate to service users, healthcare professionals and inter-agency groups
- D2 Undertake reflective practice around personal, professional and academic practices and development
- D4 Develop and undertake research, service evaluations and clinical audits for the further development of practice

D6	Deal with challenge and critique in a progressive manner to further benefit themselves and partners
D7	Utilise information technology effectively to optimise productivity.

## Course Structure

### 5. Outline of course content

In a modern healthcare environment, it is vital that practitioners are able to demonstrate not only technical knowledge, but also a wide range of transferable skills including critical thinking, empathy, research skills, digital skills, communication skills and the ability to engage in and demonstrate continuing professional development and lifelong learning.

The BSc (Hons) Radiography (Radiotherapy & Oncology) has been designed to comply with the HCPC Standards of education and training and aligns to the 4th edition of the College of Radiographers Education and Career Framework for the Radiography Practitioner Workforce (pp. 60 – 79, 2022). As such it will develop students' knowledge and understanding of the field of Radiotherapy so that they can actively apply their clinical skills in line with the HCPC Standards of Proficiency (2022) and be eligible to apply for registration with the Health and Care Professions Council (HCPC) as a Radiographer.

The course incorporates and integrates knowledge from the underpinning sciences that is developed and used through clinical application. The application of this knowledge and understanding will then be demonstrated through the safe provision of radiotherapy services. As such, the practical skills and capabilities competencies to be able to operate as a safe and proficient clinical professional will be taught, developed and assessed throughout the course combining theoretical learning, practical skill development and real-world experiences.

The three themes embedded throughout this course are Professionalism, Radiotherapy specific knowledge, and Research.

- The Professionalism theme has been developed through feedback and discussion with external stakeholders who feel current graduate radiographers would benefit from an additional level of professional clinical confidence.
- Radiotherapy specific knowledge is the core of the course, which will equip students to progress straight into their careers, and to be able to work as a functional part of a team of healthcare professionals.
- The Research will guide students through the process of planning developing, analysing and executing research studies, and equip them to proactively engage in clinical research.

### 6. Placements, work-based learning or other special features of the course

A key feature of this course is the integration of experiential learning through mandatory attendance and engagement at placements. Clinical experience will be gained across all three years in a range of environments including local Radiotherapy departments, campus-based simulation facilities and virtual placements delivered as part of:

RAD4011 Professional Practice and Patient Care for Radiotherapy (year 1);  
 RAD5012 Professional Practice and Wellbeing for Radiotherapy (year 2);  
 RAD6010 Professional Practice and Clinical Confidence for Radiotherapy (year 3).

This experience will support learners to integrate and apply knowledge of fundamental concepts and principles in the clinical environment through integrated clinical placement experience in Radiotherapy & Oncology departments. Students will be issued with a practice assessment document, which will be kept as a record of their interactions and experiences. Throughout their clinical experience, learners will build a series of reflections and case studies which will



## 6. Placements, work-based learning or other special features of the course

demonstrate their application of their emerging fundamental clinical skills. Satisfactory and consistent demonstration and completion of these skills is compulsory for progression. , successful completion is therefore compulsory for progression.

Emerging, developing and escalating clinical skills and capabilities will be clearly laid out in the practice assessment document (PAD) with stated pass criteria for each area. The PAD will also be a record of discussions with tutors, practice educators and colleagues to guide reflective practice and future progression. Should it be required, additional remedial training and actions identified would be recorded here also.

## 7. Course structure, levels, units credit and award

The level of study, units and credits required for the course and for final and exit awards are set out in the **course diagram** provided as [Appendix 1](#).

The **learning outcomes mapping document** at [Appendix 2](#) shows the relationship between ILOs for units and the overarching ILOs of the course.

The **Course summary document** at [Appendix 3](#) shows the structure of each unit in terms of summative assessment and gives an indication of learning hours/student workload for each unit.

## 8. Learning hours/student workload

AECC University College courses are made up of units of study, which are given a credit value indicating the notional amount of learning undertaken. One credit equates to ten student study hours, including student contact time, tutor guided learning time, and independent study (including assessment). 10 University credits are equivalent to five European Credit Transfer System (ECTS) credits.

**Student contact time** is a broad term, referring to the amount of time students can expect to engage with University College staff in relation to teaching and learning. It includes scheduled teaching sessions (sessions on a student and/or staff timetable), specific academic guidance (i.e., not broader pastoral support/guidance) and feedback. Contact time can take a wide variety of forms depending on the subject and the mode of study. It can include engagement both face-to face (in person) through on-campus seminars, labs, studios, and workshops - and online, for example through Teams seminars, online discussion forums, webinars, e-mail or live chat. Online contact time can be synchronous or asynchronous. Online contact time is always characterised by personalised tutor presence and input within a specified time-frame.

Opportunities for one-to-one interaction with members of staff, during which students can receive individual help or personalised feedback on their progress, may not always present themselves as formal scheduled sessions. 'Office hours' for example are a frequent feature where members of staff are available for one-to-one sessions at set times. Interactions via email for e.g., is another example of contact time.

**Independent study** incorporates student-led activities (without the guidance of a member of teaching staff), such as preparation for scheduled sessions, reflecting on feedback received and planning for future tasks, follow-up work, wider reading (including reading beyond set topics), or practice, revision, and completion of assessment tasks.

Independent study helps students learn to manage their own learning as preparation for the expectations of a professional life that emphasises continuing professional development and life-long learning.

**Tutor-guided learning** covers specific learning activities that students are asked to undertake by a tutor, such as directed reading, review of learning materials on the Virtual Learning Environment (VLE) in advance of scheduled 'flipped classroom' sessions.

## 8. Learning hours/student workload

A typical campus-based week will normally have around 10 -12 hours of contact time, which may include seminars, discussion groups, tutorials, and practical workshops. Students will have around 18 hours of tutor guided time, that may include directed reading, review of seminar presentations on the VLE in advance of scheduled 'flipped classroom' sessions.

In addition to contact time and guided non-contact hours, students are expected to undertake around 12 hours of independent study per week. This includes time for revisions/preparation for assessments., as well as activities such as private reading and researching.

While on clinical placements, students are expected to work a similar shift pattern as the clinical teams that they are working with and amounts to 37.5 hours per week.

More detail about student workload is provided in unit specifications.

## 9. Staff delivering the course

Students will be taught by AECC University College academic staff and qualified professional practitioners with relevant expertise.

All placement-based clinical staff and all those involved in assessment of clinical capability will be registered radiographers in good standing with the HCPC. Placement staff will participate in practice educator training sessions prior to placement commencing. The academic team will also facilitate additional sessions as required at the placement sites to ensure all educators a suitably informed and prepared for placement.

## 10. Progression and assessment regulations

The regulations for this course are the University College's Assessment Regulations which may be found from the [Latest Policies webpage](#).

## 11. Employment progression routes

The integration of clinical placement experience in Radiotherapy and Oncology departments throughout the course introduces learners to the radiotherapy pathway and multidisciplinary radiotherapy team so that they can develop and apply their professional and technical skills and values. The course is designed to meet the requirements of the HCPC Standards of Proficiency for Therapeutic Radiographers. As such, successful graduates are eligible to apply for HCPC registration and to gain employment as a Band 5 Radiographer.

## 12. Additional costs and special or unusual conditions which apply to this course

There is no special or unusual conditions attendant on the course. Information regarding additional costs are identified at: <https://www.aecc.ac.uk/media/11192/ug-radiography-important-information-and-additional-costs.pdf>

## 13. Methods for evaluating the quality of learning and teaching

Students have the opportunity to engage in the quality assurance and enhancement of their courses in a number of ways, which may include:

- Completing student surveys annually to give feedback on individual units and on the course as a whole
- Completing the National Student Survey in the final year of the course
- Taking part in focus groups as arranged
- Seeking nomination as a Student Union representative OR engaging with these elected student representatives

- Serving as a student representative on Course Consideration panels for course approval/review
- Taking part in Course Consideration or professional body meetings by joining a group of students to meet with the panel
- Taking part in meetings with the external examiner(s) for the course (such meetings may be take place virtually)

The ways in which the quality of the University College's courses is monitored and assured, both inside and outside the institution, are:

- Annual monitoring of units and courses
- Periodic Course review, at least every six years.
- External examiners, who produce an annual report
- Oversight by Academic Standards and Quality Committee (which includes student representation), reporting to Academic Board
- Professional body accreditation and annual reports to these bodies

#### 14. Inclusivity statement

AECC University College is committed to being an institution where students and staff from all backgrounds can flourish. AECC University College recognises the importance of equality of opportunity and promoting diversity, in accordance with our Equality, Diversity and Inclusion Policy. We are committed to a working and learning environment that is free from physical, verbal and non-verbal harassment and bullying of individuals on any grounds, and where everyone is treated with dignity and respect, within a positive and satisfying learning and working environment.

AECC University College seeks to ensure that all students admitted to our courses have the opportunity to fulfil their educational potential. The interests of students with protected characteristics will be taken into consideration and reasonable adjustments will be made provided that these do not compromise academic or professional standards as expressed through the learning outcomes.

#### 15. External reference points

The following reference points were used to inform the development of this programme:

- The UK Quality Code for Higher Education, Part A: Setting and Maintaining Academic Standards. The Framework for Higher Education Qualifications of UK Degree-Awarding Bodies (2014)
- There are no current specific subject benchmark statements for radiography as a healthcare profession. To guide the development of the course, QAA subject benchmark statements for comparable/allied professions (Nursing, Health Studies, Biomedical Science and Medicine) have been used.

The course is also designed to comply with the following professional standards frameworks:

- HCPC Standards of Education and Training (2017)
- HCPC Standards of Proficiency for Radiographers (2023)
- SEEC Credit Level Descriptors for Higher Education (2021)
- College of Radiographers Education and Career Framework (2022)
- College of Radiographers Quality Standards for Practice Placements (2012)
- College of Radiographers Research Strategy 2021-26
- Ionising Radiation Regulations Great Britain (GB) 2017
- Ionising Radiation Regulation Northern Ireland (NI) 2017

### 15. External reference points

- Ionising Radiation (Medical Exposure) Regulations GB 2017
- Ionising Radiation (Medical Exposure) Regulations NI 2018

### 16. Internal reference points and policy frameworks

AECC University College Strategic Plan

AECC University College Course Design Framework

AECC University College Feedback on Assessments policy

AECC University College Placement Learning Policy

The course conforms fully with the University College's academic policies and procedures applicable to Taught Courses.

## Record of Modifications

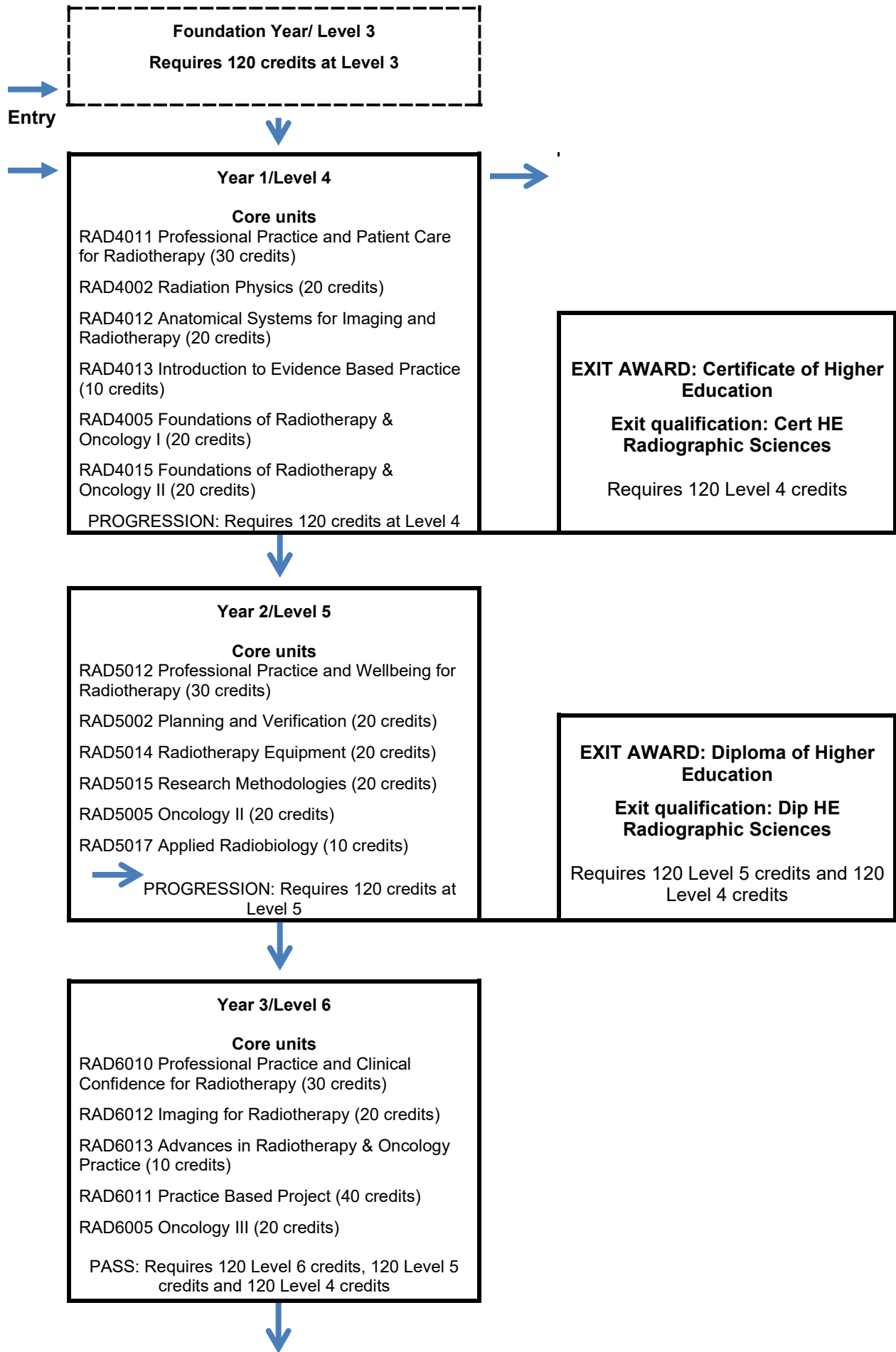
### Course level

Description of Modification	Date approved	Intake to which modification applies
Course structure changes, some unit title changes, curriculum content amendments/additions (including amendment to ILOs) and assessment changes	ASQC- 31/07/2024	September 2024 and all future
Editorial Correction applied September 2024 following Periodic Review of Foundation Year	August 2024	September 2024 and all future cohorts

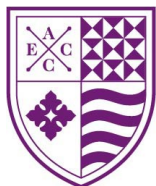
### Unit level

Unit code and title	Nature of modification	Date of approval/ approving body	Intake to which modification applies

## Appendix 1: Course Diagram BSc (Hons) Radiography (Radiotherapy and Oncology)



Conferment of Award/Graduation  
BSc (Hons) Radiography (Radiotherapy &  
Oncology



**Appendix 2: BSc (Hons) Radiography (Radiotherapy & Oncology) Learning outcomes mapping document template**

This table shows where a learning outcome referenced in the course specification may be taught (T), developed (D) and/or assessed (A) within a unit. The numbers A1 A2 B1 B2 etc. refer back to the learning outcomes listed under Subject Knowledge and Understanding, Intellectual Skills, Practical Skills and Transferable skills in this course specification template (Course [Intended Learning Outcomes](#)).

		Course Outcomes																	
		Subject Knowledge & Understanding								Intellectual Skills					Practical Skills				
Unit Code	Level	A1	A2	A3	A4	A5	A6	A7	A8	B1	B2	B3	B4	B5	C1	C2	C3	C4	C5
RAD4011 Professional Practice and Patient Care for Radiotherapy	4			T, D, A					T, D, A						T, D, A	T, D, A	T, D, A		T, A
RAD4002 Radiation Physics	4			D	T, A				D										
RAD4012 Anatomical Systems for Imaging and Radiotherapy	4	T, A		T, A															
RAD4013 Introduction to Evidence Based Practice	4							T, A	D	T, A	T, A	T, A	T, A	T, D	T, D, A	T, D			
RAD4005 Foundations of Radiotherapy & Oncology I	4	T, A		T, A	T, A														
RAD4015 Foundations of Radiotherapy & Oncology II	4	T, A	T, A	T, D, A	T, A		T, D							T, D, A					

RAD5012 Professional Practice and Wellbeing for Radiotherapy	5			D,A			T,D, A								A	T,A	A		D	
RAD5002 Planning & Verification	5			D,A	D,A					T, D, A	T, D, A		T, D, A	T, D, A			D	T,D,A		
	<b>Level</b>	<b>A1</b>	<b>A2</b>	<b>A3</b>	<b>A4</b>	<b>A5</b>	<b>A6</b>	<b>A7</b>	<b>A8</b>	<b>B1</b>	<b>B2</b>	<b>B3</b>	<b>B4</b>	<b>B5</b>	<b>C1</b>	<b>C2</b>	<b>C3</b>	<b>C4</b>	<b>C5</b>	
RAD5014 Radiotherapy Equipment	5			D, A	T, D, A	D, A				D, A										
RAD5015 Research Methodologies	5					D		T,D,A		T,A			D,A	T,D,A						
RAD5005 Oncology II	5	T,A	T,A	T, D, A		T, D, A		T, D, A					D, A	D, A			D, A	D, A		
RAD5017 Applied Radiobiology	5	T,A			A	D														
RAD6010 Professional Practice and Clinical Confidence for Radiotherapy	6						T,D A	D	D						A	D,A	D	D		
RAD6012 Imaging for Radiotherapy	6	D,A	D A	D,A	D,A	D,A				D,A			D,A							
RAD6013 Advances in Radiotherapy & Oncology Practice	6					D,A				D,A			D,A							
6011 Practice Based Project	6			D	D	D				D,A		T,A	D	D,A	D,A					
6005 Oncology III	6	D		T A	D	T A				D,A										
		<b>Transferable Skills</b>							<b>Values</b>											
<b>Unit Code</b>	<b>Level</b>	<b>D1</b>	<b>D2</b>	<b>D3</b>	<b>D4</b>	<b>D5</b>	<b>D6</b>	<b>D7</b>	<b>E1</b>	<b>E2</b>										
RAD4011 Professional Practice and	4	D	D	D		D,A	D	T,D	D	D										



Patient Care for Radiotherapy										
RAD4002 Radiation Physics	4									
RAD4012 Anatomical Systems for Imaging Radiotherapy	4									
	<b>Level</b>	<b>D1</b>	<b>D2</b>	<b>D3</b>	<b>D4</b>	<b>D5</b>	<b>D6</b>	<b>D7</b>	<b>E1</b>	<b>E2</b>
RAD4013 Introduction to Evidence Based Practice	4	T,D	T,D	T,D				T,D, A		
RAD4005 Oncology I	4									
RAD4015 Principles of Radiotherapy Practice	4									
RAD5012 Professional Practice and Wellbeing for Radiotherapy	5	D,A	D,A	D,A		D,A	D	T,D		
RAD5002 Planning and Dosimetry	5									
RAD5014 Radiotherapy Equipment	5									
RAD5015 Research Methodologies	5	D,A	D,A	D,A	D,A			T D A		
RAD5005 Oncology II	5									
RAD5017 Applied Radiobiology	5									
RAD6010 Professional Practice and Clinical	6	D	T,D A	A		A	D,A	A	A	A

Confidence for Radiotherapy										
RAD6012 Imaging for Radiotherapy	6									
RAD6013 Advances in Radiotherapy & Oncology Practice	6									
6011 Practice Based Project	6			D	D,A			D,A		
6005 Oncology III	6									

### Appendix 3 Course summary

This must be consistent with information provided in each unit specification

#### Course title: BSc (Hons) Radiography (Radiotherapy and Oncology)

Unit details						Assessment Component Weightings (%)*						Prof. body requirement applies*	Estimated learning hours		
Code	Title	Version	Credits	Core/ Option	Pre/ co requisites	Exam 1	Exam 2	Cwk 1	Cwk 2	Prac 1	Prac 2		Indicative Student contact time	Independent Study	Indicative Tutor-guided learning time
RAD4011	Professional Practice and Patient Care for Radiotherapy	1.0	30	C	None			100%	P/F			N	395	20	60
RAD4002	Radiation Physics	2.0	20	C	None	100%						N	35	75	90
RAD4012	Anatomical Systems for Imaging and Radiotherapy	2.1	20	C	None	100%						N	30	70	100
RAD4013	Introduction to Evidence Based Practice	1.0	10	C	None			100%				N	15	40	45
RAD4005	Foundations of Radiotherapy & Oncology I	2.1	20	C	None	100%						N	35	75	90
RAD4015	Foundations of Radiotherapy & Oncology II	1.1	20	C	None			100%				N	35	75	90
<b>Progression requirements:</b> Requires 120 credits at Level 4															
<b>Exit qualification:</b> Cert HE Radiographic Sciences requires 120 Level 4 credits															

Unit details						Assessment Component Weightings (%)*						Prof. body requirement applies*	Estimated learning hours		
Code	Title	Version	Credits	Core/ Option	Pre/ co requisites	Exam 1	Exam 2	Cwk 1	Cwk 2	Prac 1	Prac 2		Indicative Student contact time	Independent Study	Indicative Tutor-guided learning time
RAD5012	Professional Practice and Wellbeing for Radiotherapy	1.0	30	C	None			100%	P/F			N	395	20	60
RAD5002	Planning & Verification	2.1	20	C	None			100%				N	35	75	90
RAD5014	Radiotherapy Equipment	1.1	20	C	None	100%						N	35	75	90
RAD5015	Research Methodologies	1.0	20	C	None			100%				N	20	80	100
RAD5005	Oncology II	2.1	20	C	None	50%		50%				N	35	75	90
RAD5017	Applied Radiobiology	1.1	10	C	None			100%				N	15	40	45
<b>Progression requirements:</b> Requires 120 credits at Level 5															
<b>Exit qualification:</b> Dip HE Radiographic Sciences requires and 120 Level 5 credits 120 Level 4 credits															

Unit details						Assessment Component Weightings (%)*						Prof. body requirement applies*	Estimated learning hours		
Code	Title	Version	Credits	Core/ Option	Pre/ co requisites	Exam 1	Exam 2	Cwk 1	Cwk 2	Prac 1	Prac 2		Indicative Student contact time	Independent Study	Indicative Tutor-guided learning time
RAD6010	Professional Practice and Clinical Confidence for Radiotherapy	1.0	30	C	None			100%	P/F			N	395	20	60
RAD6012	Imaging for Radiotherapy	1.0	20	C	None			100%				N	35	75	90
RAD6013	Advances in Radiotherapy & Oncology Practice	1.0	10	C	None			100%				N	20	40	40
RAD6011	Practice Based Project	1.0	40	C	None			80%	20%			N	20	200	180
RAD6005	Oncology III	2.0	20	C	None			100%				N	35	75	90
<b>Progression requirements:</b> Requires 120 credits at Level 6															
<b>Exit Award: BSc (Hons) Radiography (Radiotherapy and Oncology)</b> - 120 credits at Level 6, 120 credits at Level 5 and 120 credits at Level 4															