

Title of Programme: BSc (Hons) Diagnostic Radiography & Imaging

Programme Code: HHRGI

Programme Specification

This programme specification is relevant to students entering:
02 September 2024

Associate Dean of School (Academic Quality Assurance):
Jenny Lorimer



Signature

A programme specification is a collection of key information about a programme of study (or course). It identifies the aims and learning outcomes of the programme, lists the modules that make up each stage (or year) of the programme, and the teaching, learning and assessment methods used by teaching staff. It also describes the structure of the programme, its progression requirements, and any programme-specific regulations. This information is therefore useful to potential students to help them choose the right programme of study, to current students on the programme, and to staff teaching and administering the programme.

Summary of amendments to the programme:

Section	Amendment
D	Revision of DMD assessments 4HSK2029 & 4HSK2030 100% Exam to 100% Test. 5HSK2031 50% C/W 50% Practical to 50% C/W 50% Test.

If you have any queries regarding the changes, please email AQO@herts.ac.uk

Programme Specification BSc (Hons) Diagnostic Radiography & Imaging

This programme specification (PS) is designed for prospective students, enrolled students, academic staff, and potential employers. It provides a concise summary of the main features of the programme and the intended 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. More detailed information on the teaching, learning and assessment methods, learning outcomes and content for each module can be found in Definitive Module Documents (DMDs).

Section 1

Awarding Institution/Body	University of Hertfordshire
Teaching Institution	University of Hertfordshire
University/partner campuses	College Lane
Programme accredited by	HCPC and SCoR
Final Qualification	Bachelor of Science
All Final Award titles (Qualification and Subject)	BSc (Hons) Diagnostic Radiography & Imaging
FHEQ level of award	6

A. Programme Rationale

The aim of the programme is to produce graduates who will be equipped with the skills, knowledge and competencies to be eligible to apply for registration as diagnostic radiographers with the Health & Care Professions Council (HCPC) and membership with the Society and College of Radiographers (SCoR). Graduates from the programme will be adaptable and responsive to change, meeting the dynamic needs of the health service. Graduates will be able to work in an interprofessional team and be capable of utilizing the wide range of skills required of a health practitioner.

The graduate diagnostic radiographer will be capable of demonstrating professional responsibility and accountability which will enhance service delivery and ensure high quality care for service users. They will be aware of their responsibilities to their patients, colleagues and employer through statutory and professional codes of conduct.

Graduates will be aware of their responsibilities in relation to the Ionising Radiations Regulations (IRR) 2017, Ionising Radiation (Medical Exposure) Regulations (IRMER) 2018 and the Basic Safety Standards (BSS). The programme has been developed and informed by the HCPC Standards of Education & Training and the HCPC Standards of Proficiency, the SCoR Career & Education Framework and the QAA Framework for Higher Education Qualifications.

Programme Philosophy

This programme is committed to develop, competent, autonomous radiographers, who are responsive to the changing landscape in modern healthcare. Training in relation to advances in imaging practice is at the heart of the curriculum and aims to produce radiographers who respond appropriately to service users' needs.

Graduates will be capable of reflecting on and analysing their practice in relation to established theories and evidence-based research, for best practice and optimal service user experience.

The programme team are committed to providing a challenging programme which encourages academic achievement alongside high standards of diagnostic imaging and patient care.

B. Educational Aims of the Programme

Diversity and Inclusion

Our programmes are purposefully designed to enable all students to engage meaningfully with the curriculum by being accessible and representative. We will support students to shape their learning experience, removing barriers and enabling them to succeed. The curriculum explicitly includes multiple and representative perspectives, valuing collective identities and individual diversity. Learning, teaching and

assessment activities help students to understand how they can enhance outcomes both for themselves and for others. All students belong to a learning community, and during their studies we really want to hear their voices, encourage them to listen to others, and express themselves.

The programme has been devised in accordance with the University's graduate attributes of programmes of study as set out in [UPR TL03](#).

Additionally this programme aims to:

- enable students to develop their intellectual potential and professional expertise in diagnostic radiography and imaging, and to recognise the importance of continued professional development and life-long learning.
- The programme further aims to ensure that graduates possess the knowledge, skills and competencies as set out by the HCPC and SCoR which provides eligibility to apply for state registration and professional body membership.

Graduate Attributes

Our graduates will be capable and professional, creative and enterprising, and will build their social and global awareness throughout. In addition to their subject expertise and proficiency, as a University of Hertfordshire graduate, they will be:

- Professionally focused
- Globally minded
- Sustainability driven
- Digitally capable and confident
- Inclusive and collaborative
- Evidence based and ethical

C. Intended Learning Outcomes

The programme provides opportunities for students to develop and demonstrate knowledge and understanding, skills and other attributes in the following areas. The programme outcomes are referenced to the Frameworks for Higher Education Qualifications of UK Degree-Awarding Bodies (2014) and relate to the typical student. Additionally, the SEEC Credit Level Descriptors for Further and Higher Education (2021) have been used as a guiding framework for curriculum design.

Knowledge and Understanding	Teaching and learning methods	Assessment strategy
<p>On completion of the programme the graduate radiographer will demonstrate a systematic and critical understanding of:</p> <p>A1-contemporary practice and the role of the diagnostic radiographer in modern healthcare settings and in the inter-professional team.</p> <p>A2-The structure and function of the Skeletal system, chest, and abdomen in health & disease.</p> <p>A3 – The structure and function of the systems of the human body including</p>	<p>Knowledge and understanding are evidenced by students meeting programme outcomes A1-10. This is achieved by using a wide range of research informed teaching and learning methods which includes lectures, tutorials, small group work, e-learning activities, interactive multi-professional group work, practical work in laboratories, role play, supervised clinical placement experience, practice-based assessment, and self-directed study.</p> <p>Students at level six are expected to demonstrate responsibility for their learning and utilise problem</p>	<p>Knowledge and understanding are assessed through combination of unseen in course tests, objective structured clinical/practical examinations (OSCE/OSPE) and assessed in-course assignments including written work, presentations, reports, and clinical practice-based assessments.</p>

<p>development in health & disease.</p> <p>A4-The behavioural and sociological sciences, and the promotion of social inclusion, that influence communication and respect for service users, and other professionals within the health care team.</p> <p>A5-The physical principles of radiation generation, interaction, modification, and protection.</p> <p>A6-The role of imaging and imaging procedures in the diagnosis and management of disease.</p> <p>A7-The range of technological equipment used in diagnostic imaging so that equipment choices inform safe and efficient practice.</p> <p>A8-The use & applications of specialist imaging examinations and interventions. (To include an understanding of the use and administration of contrast agents and drugs).</p> <p>A9- The legislative and ethical frameworks that underpin and support practice. Including recognition of the autonomy and accountability of registration as a diagnostic radiographer.</p> <p>A10- The role of the health care professional in the promotion of health and health care education</p>	<p>solving and evaluation skills in their approach to assignments.</p> <p>Throughout, the learner is encouraged to undertake both directed study and independent study to supplement and consolidate what is being taught/learnt, and to broaden their individual knowledge and understanding of the subject.</p>	
Intellectual skills	Teaching and learning methods	Assessment strategy
<p>On completion of the programme the graduate radiographer will be able to:</p> <p>B1-Analyse and solve problems using appropriate guidelines and research evidence to draw reasoned</p>	<p>Intellectual skills are developed throughout the programme by the methods and strategies outlined in Section A. Analysis and problem-solving techniques are developed through tutorial work, laboratory work, participatory learning in multi-professional groups and in-course exercises.</p>	<p>Intellectual skills are assessed through a combination of unseen in course tests, practical assessments, and coursework related to practice and clinical decision-making scenarios.</p>

<p>conclusions and judgements.</p> <p>B2-Apply & evaluate scientific and ethical principles to the practice of diagnostic radiography.</p> <p>B3-Evaluate the role of the diagnostic radiographer in the modern healthcare environment and in the overall care of the service user.</p> <p>B4-Demonstrate a clear understanding of the role of continuing professional development and be able to reflect critically upon their performance and practice.</p> <p>B5- evaluate research evidence and synthesise knowledge to support practice in diagnostic imaging.</p> <p>B6-Demonstrate their ability to make informed, sensitive, and ethically sound professional judgments in relation to diagnosis and treatment.</p> <p>B7-Appraise the factors impinging on the delivery of care within the inter-professional team.</p> <p>B8-Assess patients' needs by justifying requests for examination or treatment according to IR(ME)R 2017, IR(ME) Amendment Regulations 2018, IRR 2017 and BSS requirements</p>	<p>These skills are enhanced by reflection of their performance in practice.</p> <p>Throughout the learner is encouraged to utilise evidence-based research to support practice, and to further develop intellectual skills by directed and independent study.</p>	
<p>Practical skills</p>	<p>Teaching and learning methods</p>	<p>Assessment strategy</p>
<p>On completion of the programme the graduate radiographer will be able to:</p> <p>C1-Manipulate X-ray equipment safely.</p> <p>C2 - Manipulate specialist modality equipment safely & appropriately and undertake quality control/assurance to identify and rectify problems.</p> <p>C3-Demonstrate ability in holistically managing a</p>	<p>Practical skills are developed through scenario simulation including role play with experts by experience, practical lab work within the university and through clinical placement learning within the NHS and other healthcare settings working alongside clinical staff and service users.</p>	<p>Practical skills are assessed through a combination of a record of clinical experience in which the student is expected evidence their experience and to reflect and evaluate their performance within the clinical environment, Simulated scenario learning will also be utilised in the Record of Clinical Experience along with summative clinical assessments and objective structured clinical and/or</p>

<p>patients diagnostic imaging journey from consent to imaging procedure and through to aftercare.</p> <p>C4-Utilise imaging and accessory equipment appropriately and effectively.</p> <p>C5-Generate, manipulate, and evaluate images in relation to quality and identify normal/abnormal pathology, formulating appropriate plans of escalation when pathology is identified.</p> <p>C6-Adapt working practices (where appropriate) to meet the needs of individual patients and situations.</p> <p>C7-Undertake the role of the operator and practitioner in accordance with IR(ME)R 2017 and IR(ME) Amendment Regulations 2018.</p> <p>C8-Demonstrate professional skills and competencies necessary for practice to include moving & handling and first aid skills to protect the patient, self and others.</p> <p>C9-Apply the principles of infection control to working practices.</p> <p>C10- Prepare, position patients/clients for examination or treatment accurately, safely, and sensitively.</p>		<p>practical examinations (OSCE/OSPE).</p>
<p>Transferable skills</p> <p>On completion of the programme the graduate radiographer will be able to:</p> <p>D1-Demonstrate effective communication with colleagues, carers, and patients, acknowledging their diverse needs. Engages appropriately with information and</p>	<p>Teaching and learning methods</p> <p>Transferable skills D1 – D8 are developed throughout the programme through a combination of lectures, tutorials, seminars, small group work and practical work and simulation in laboratories.</p> <p>Supervised clinical experience and practice-based assessments</p>	<p>Assessment strategy</p> <p>Transferable skills are assessed through a range of assessments including coursework reports, oral presentations, and research exercises as well as assessment in the clinical setting.</p>

<p>communication technology.</p> <p>D2-Perform as an effective member of an inter-professional team.</p> <p>D3-Demonstrate confidence in understanding, manipulating, interpreting, and presenting numerical data.</p> <p>D4-Gather information from a wide range of relevant sources and use methods of enquiry to collect and interpret data.</p> <p>D5-Demonstrate supervision and mentorship skills.</p> <p>D6-Demonstrate spatial awareness.</p> <p>D7-Demonstrate effective time management.</p> <p>D8-Recognise their own limitations and work within their scope of practice as a diagnostic radiographer, acknowledging their role in patient centred care and working with vulnerable patient groups.</p>	<p>are undertaken in the clinical placement environment.</p> <p>Throughout, the learner is encouraged to develop transferable skills by maintaining a record of clinical evidence.</p>
---	--

D. Programme Structures, Features, Levels, Modules, and Credits

The programme is offered in 3 year full time mode, and leads to the award of a BSc (Hons) Diagnostic Radiography & Imaging. Intake is normally Semester A

Professional and Statutory Regulatory Bodies

Successful completion of the programme provides eligibility to apply for Health and Care Professions Council registration as a diagnostic radiographer and membership of the Society and College of Radiographers

Work-Based Learning, including Sandwich Programmes

Clinical based placements are an integral part of completion of the programme.

Student Exchange programme

Incoming Exchange

N/A

Study Abroad

N/A

Programme Structure

The programme structure and progression information below (Table 1a and 1b) is provided for the Honours award. Any interim awards are identified in Table 1b. The Programme Learning Outcomes detailed above are developed and assessed through the constituent modules. Table 2 identifies where each learning outcome is assessed.

Table 1a Outline Programme Structure

Mode of study Full time

Entry point Semester A

Level 4

Compulsory Modules Module Title	Module Code	Credit Points	% Test	% Examination	% Coursework	% Practical	Semesters
Introduction to Professional Practice	4HSK2025	30	0	50	50	0	AB
Introduction to Diagnostic Imaging Practice	4HSK2026	30	0	0	40	60 P/F	AB
Anatomy, Physiology & Pathology – Foundations & Appendicular Skeleton	4HSK2027	15	100	0	0	0	A
Anatomy Physiology & Pathology – Chest, Abdomen, Spine, and Pelvis	4HSK2028	15	100	0	0	0	B
Principles of Radiation Science and Technology	4HSK2029	15	100	0	0	0	A
Applications of Radiation Science and Technology	4HSK2030	15	100	0	0	0	B

Progression to level 5 normally requires a minimum of 120 credits and passes in all levels 4 modules.

Level 5

Compulsory Modules Module Title	Module Code	Credit Points	% Test	% Examination	% Coursework	% Practical	Semesters
Developing Professional Practice	5HSK2031	30	50	0	50	0	AB
Complex Imaging Practice	5HSK2032	30	0	0	40	60	AB
Anatomy, Physiology and Pathology – Systems 1	5HSK2033	15	100	0	0	0	A
Anatomy, Physiology & Pathology – Systems 2	5HSK2034	15	100	0	0	0	B
Advanced Imaging Science and Technology	5HSK2035	15	0	100	0	0	A
Research Methods – Diagnostic Radiography & Imaging	5HSK2036	15	0	0	100	0	B

Progression to level 6 normally requires a minimum of 240 credits and passes in all level 4 & 5 modules

Level 6

Compulsory Modules Module Title	Module Code	Credit Points	% Test	% Examination	% Coursework	% Practical	Semesters
Developing Autonomous Imaging Practice	6HSK2051	30	0	0	40	60	AB
Transition to Professional Practice	6HSK2052	30	0	0	100	0	AB
Preliminary Clinical Evaluation 1	6HSK2053	15	0	0	0	100	A
Application of Research in Health	6HSK2054	15	0	0	100	0	A
Preliminary Clinical Evaluation 2	6HSK2055	15	0	0	0	100	B

The award of an Honours degree requires 360 credits with a minimum of 120 credits at level 6.

Honours classification

The University has approved structure and assessment regulations common to all programmes. Full details are provided in [UPR AS14](#), Section D.

Table 1b Final and interim awards available

The programme provides the following final and interim awards:

Final Award	Award Title	Minimum requirements	Available at end of Level	Programme Learning Outcomes developed (see above)
BSc (Hons)	Diagnostic Radiography & Imaging	360 credit points including 240 at level 6/5 of which 120 must be at level 6	6	All programme learning outcomes (see Table 2)

Interim Award	Award Title	Minimum requirements	Available at end of Level	Programme Learning Outcomes developed (see above)
University Certificate		45 credit points at level 4	4	See UPR AS11, section 13: http://sitem.herts.ac.uk/secreg/upr/AS11.htm
Certificate of Higher Education	Radiation Science and Health Care	120 credit points at level 4	4, 5	A2, A5, B8, C1, C8, C9 D6
Diploma of Higher Education	Radiation Science and Health Care	240 credit points including at least 120 at level 5	5, 6	<i>As per the Certificate of Higher Education plus</i> A3, A4, A7, A8, B1, B2 C2, C3, C4, C6, C10 D1, D4
BSc	Imaging Science and Health Care	300 credit points including 180 at level 6/5 of which 60 must be at level 6	6	<i>As per the Diploma of Higher Education plus</i> A1, A6, A9, A10 B3, B4, B5, B6, B7 C5 D2, D3, D5, D7

Students must successfully complete all 3 years of the programme and be awarded a BSc (Hons) in Diagnostic Radiography & Imaging to be eligible for registration with the HCPC, as a Diagnostic Radiographer

Programme-specific assessment regulations

The programme complies with the University's academic regulations (in particular, [UPR AS11](#), [UPR AS12](#) and [UPR AS14](#)) with the exception of those listed below, which have been approved by the University:

- Final compensatory credit (exemption from UPR AS14 section D4.4) and/or intra-module compensation is not permitted.

- At each academic level, the student will normally be required to have passed 45 credits (at first attempt/referral) to be permitted a re-enrolment opportunity and hence repeat failed modules.
- Due to the alignment and structure of the modules at each level on the programme, students are permitted to trail up to 30 credits from one year to the next, with the exception of the following :- where the module has a clinical practice requirement or where module learning outcomes lead directly to the knowledge required in a module at the next level. (As stated on the DMD's prerequisites.) (exemption from UPR AS14, D3)
- Length of student registration is a maximum of six years (exemption from UPR AS14, D3.9).
- Length of registration of international students studying under a Tier 4 visa is a maximum of five years.

Further programme-specific regulations (requiring School-level approval) are given below:

- Students are expected to attend all taught sessions of each module undertaken which is monitored through the Check-In system.
- Students are normally expected to complete all timetabled clinical placement hours across the duration of the programme, however in order to progress to the next level of study, students should normally complete 95% of the clinical hours stated on the year plan for their level of study.
- If a module with a clinical component has been failed, and the student FREN, in repeating the module, the student should complete all clinical time specified by the year plan for the respective level of study.
- If the module(s) to be repeated have only academic content, the student must normally complete a minimum of 50% of the total clinical time specified by the year plan.
- If a clinical competency-based assessment, e.g. practice assessment, has been failed, it is recommended that the student complete a minimum of 4 weeks additional clinical time prior to retaking the assessment.
- Students may be withdrawn from the programme if they fail to fulfil the requirements for university study and clinical practice, including undertaking barring and enhanced disclosure checks, attending occupational health screening when referred, and completing a statutory declaration (as appropriate). In addition, students will not be permitted to attend clinical placement until they have attended the mandatory Cardiopulmonary Resuscitation and Moving and Handling training sessions.
- The external examiner appointed to the programme must be appropriately experienced and qualified and be from the relevant part of the HCPC Register, in accordance with the HCPC Standards of Education & Training (SETs) 6.7. Where the programme has more than one external examiner, at least one must be from the relevant part of the HCPC Register.
- Applicants who will be under 18 years of age and are permitted entry to the university under UPR HS07 section must be 18 prior to commencement of the first clinical placement due to the legislative requirements for safeguarding students under the age of 18 in a clinical environment.

Course Code	Course Instance	Award Title	Modules (child instance codes & title)	Must be included in classification algorithm?
HSRGI	DRGI1F DRGI2F DRGI3F	BSc (Hons) Diagnostic Radiography & Imaging	There are currently no modules that have been granted an exception to programme specific assessment regulations	N/A

E. Management of Programme & Support for student learning.

Management

The programme is managed and administered through:

- A Professional Lead who advises on issues pertinent to the programme and line manages staff on the programme.
- A Programme Leader (from the appropriate section of the HCPC register) who has day to day responsibility for managing the programme in liaison with the Professional Lead & Head of Department.
- A Clinical Practice Lead who has responsibility for managing clinical placement requirements.
- Year Tutors who are responsible for a specific cohort of the programme.
- An Admissions Tutor who has specific responsibility for managing the admissions and recruitment process. An Administration team to deal with day-to-day administration associated with the programme.
- Module Leaders who are responsible for co-ordination and management of individual modules.
- A programme committee, the membership of which includes academic and clinical staff, service managers, service users and student representatives.

Support

Students are supported by:

- An induction week at the beginning of each new academic session.
- Overseas Orientation
- You will have a Personal Tutor who will be an important point of contact, able to help you gain a good understanding of the School and programme you are studying.
- A substantial Student Centre that provides advice on issues such as finance, University regulations, legal matters, accommodation, international student support, etc
- Office of Dean of Students, Student Wellbeing (incorporating Counselling, Mental Health and Disability Support), Chaplaincy, and Day Nursery
- A versatile on-line inter-active intranet and learning environment
- Guided student-centred learning on Canvas module sites
- Access to extensive digital and print collections of information resources
- Attractive modern study environments in 2 Learning Resources Centres
- Student Success Hubs, which include a Mathematics Drop-in Centre
- Medical Centre
- University Disability Advisors
- Careers and Employment
- Hertfordshire Student's Union
- Dedicated programme site

F. Other sources of information

In addition to this Programme Specification, the University publishes guidance to registered students on the programme and its constituent modules:

- A dedicated programme site.

- A Definitive Module Document (DMD) for each constituent module.

The [Ask Herts](#) website provides information on a wide range of resources and services available at the University of Hertfordshire including academic support, accommodation, fees, funding, visas, wellbeing services and student societies.

As a condition of registration, all students of the University of Hertfordshire are required to comply with the University's rules, regulations and procedures. These are published in a series of documents called 'University Policies and Regulations' (UPRs). The University requires that all students consult these documents which are available on-line, on the UPR web site, at: <http://www.herts.ac.uk/secreg/upr/>. In particular, [UPR SA07](#) 'Regulations and Advice for Students' Particular Attention - Index' provides information on the UPRs that contain the academic regulations of particular relevance for undergraduate and taught postgraduate students.

In accordance with section 4(5) of the Higher Education and Research Act 2017 (HERA), the UK Office for Students (OfS) has registered the University of Hertfordshire in the register of English higher education providers. The Register can be viewed at: <https://www.officeforstudents.org.uk/advice-and-guidance/the-register/the-ofs-register/>.

G. Entry requirements

The normal entry requirements for the programme are:

Entry is normally at level 4 with suitable A level or equivalent qualifications but may be possible at level 5 with suitable similar level 4 qualifications. Students entering the programme must be medically fit to undertake the programme and therefore will be subject to a satisfactory health assessment.

In order to comply with the "rehabilitation of offenders Act 1974 and "rehabilitation of offenders act 1974 (exceptions) order"1975 students require a satisfactory enhanced Disclosure and Barring Service check. (DBS)

Admission to the programme is therefore subject to a satisfactory health clearance and DBS clearance. Intake is normally in Semester A (September) of the academic year. All students are required to attend an interview with the admissions team as a component of the admissions process.

For current entry tariff point requirements, please refer to the relevant page for the Course on the University website or on the online prospectus.

Radiography Admissions Criteria applicable from 2023 entry

Level 2 qualifications:

Applicants should have at least 5x GCSEs which includes a minimum of:

- English Language Grade 4 (or C)
 - Maths Grade 4 (or 5)
 - Two Sciences Grade 4 (or C). This can be obtained from either Double Award Science or Single Science and Additional Science or any two from Biology, Chemistry or Physics
- A range of equivalent level 2 qualifications are acceptable including Functional Skills Level 2 in English and in Maths.

Level 3 qualifications will be considered:

A levels:

- Where 3 full A levels are being studied
- 120- 128 UCAS points should include grade B or above from a science based subject including Maths, Biology, Chemistry or Physics, Sociology, Psychology, PE or electronics

BTEC:

- BTEC Extended Diploma in Applied Science with a minimum Distinction, Distinction, Merit (DDM) profile; or
- BTEC Extended Diploma in Health and Social Care with a minimum of DDM profile to include a minimum of Distinction in the following mandatory units; Anatomy and Physiology for Health & Social Care, Human Lifespan development and Enquiries into current research in Health and Social Care

Access:

- Must be studying a minimum of 45 credits at level 3 achieving a minimum of
 - 24 credits at Distinction including 9 credits from a science subject.
 - a further 21 credits at Merit or above
 - Must have either Distinction or Merit - no Pass grades can be accepted.

Foundation Science degree:

- Average profile of 65% or higher

Irish Leaving Certificate:

- 120 – 128 UCAS points from 5 Higher level subjects in one sitting which must include a minimum of H2 in Science at higher level

Degree:

- Honours degree at 2:2 classification

International Baccalaureate:

- 120 – 128 points where 2 subjects have been studied at higher level 1 of which is a science at Grade 5 or above

Combinations of level 3 qualifications will be considered including A levels, further maths, extended project, Cambridge technical and BTEC's. 120-128 UCAS points should be achieved and should include 40UCAS points from a science-based subject including Maths, Biology, Chemistry or Physics, Sociology, Psychology, PE or electronics.

For all applicants where English is not their first language, IELTS at level 7.0 (with no less than 6.5 achieved in any one band) is required. Where appropriate, English language qualifications that are recognised by the University as equivalent to the specified IELTS bands may also be considered.

They must also satisfy the University's standard entrance qualifications and comply with statutory requirements so that they are eligible for registration as a radiographer upon qualification.

The programme is subject to the University's Principles, Policies and Regulations for the Admission of Students to Undergraduate and Taught Postgraduate Programmes (in [UPR SA03](#)), along with associated procedures. These will take account of University policy and guidelines for assessing accredited prior certificated learning (APCL) and accredited prior experiential learning (APEL).

If you would like this information in an alternative format, please contact:
The innovation hub at icaq@herts.ac.uk

If you wish to receive a copy of the latest External Examiner's Report for the programme, please email a request to aqo@herts.ac.uk

BSc (Hons) Diagnostic Radiography & Imaging

Table 2: Development of Intended Programme Learning Outcomes in the Constituent Modules

This map identifies where the programme learning outcomes are delivered and assessed in the constituent modules. It provides (i) an aid to academic staff in understanding how individual modules contribute to the programme aims (ii) a checklist for quality control purposes and (iii) a means to help students monitor their own learning, personal and professional development as the programme progresses.

		Programme Learning Outcomes (as identified in section 1 and the following page)																																								
		Knowledge & Understanding									Intellectual Skills								Practical Skills							Transferable Skills																
Module Title	Module Code	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	B1	B2	B3	B4	B5	B6	B7	B8	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	D1	D2	D3	D4	D5	D6	D7	D8					
Level 4	Introduction to Professional Practice	4HSK2025																										x	x													
	Introduction to Diagnostic Imaging practice	4HSK2026																		x	x																	x				
	Anatomy, Physiology & Pathology – Foundations & Appendicular Skeleton	4HSK2027		x																																						
	Anatomy Physiology & Pathology – Chest, Abdomen, Spine & Pelvis	4HSK2028		x																																						
	Principles of Radiation Science and Technology	4HSK2029																																								
	Applications of Radiation	4HSK2030																																								

Module Title	Module Code	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	B1	B2	B3	B4	B5	B6	B7	B8	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	D1	D2	D3	D4	D5	D6	D7	D8
Preliminary Clinical Evaluation 2	6HSK2055																							x													
Exploration of Special Interest in Imaging Practice	6HSK2056						x										x																				

KEY TO PROGRAMME LEARNING OUTCOMES

Knowledge and Understanding

- A1. Contemporary practice and the role of the diagnostic radiographer in modern healthcare settings and in the inter-professional team.
- A2. The structure and function of the Skeletal system, chest and abdomen in health & disease.
- A3. The structure and function of the systems of the human body including development in health & disease.
- A4. The behavioural and sociological sciences, and the promotion of social inclusion, that influence communication and respect for service users, and other professionals within the health care team.
- A5. The physical principles of radiation generation, interaction, modification and protection.
- A6. The role of imaging and imaging procedures in the diagnosis and management of disease.
- A7. The range of technological equipment used in diagnostic imaging so that equipment choices inform safe and efficient practice.
- A8. The use & applications of specialist imaging examinations and interventions. (To include an understanding of the use and administration of contrast agents and drugs).
- A9. The legislative and ethical frameworks that underpin and support practice. Including recognition of the autonomy and accountability of registration as a diagnostic radiographer.
- A10. The role of the health care professional in the promotion of health and health care education.

Practical Skills

- C1. Manipulate X-ray equipment safely.
- C2. Manipulate specialist modality equipment safely & appropriately and undertake quality control/assurance to identify and rectify problems.
- C3. Demonstrate ability in holistically managing a patients' diagnostic imaging journey from consent to imaging procedure and through to aftercare.
- C4. Utilise imaging and accessory equipment appropriately and effectively.
- C5. Generate, manipulate, and evaluate images in relation to quality and identify normal/abnormal pathology, formulating appropriate plans of escalation when pathology is identified.
- C6. Adapt working practices (where appropriate) to meet the needs of individual patients and situations.
- C7. Undertake the role of the operator and practitioner in accordance with IR(ME)R 2017 and IR(ME) Amendment Regulations 2018.
- C8. Demonstrate professional skills and competencies necessary for practice to include moving & handling and first aid skills in order to protect the patient, self and others.
- C9. Apply the principles of infection control to working practices.
- C10. Prepare, position patients/clients for examination or treatment accurately, safely and sensitively.

Intellectual Skills

- B1. Analyse and solve problems using appropriate guidelines and research evidence to draw reasoned conclusions and judgements.
- B2. Apply & evaluate scientific and ethical principles to the practice of diagnostic radiography.
- B3. Evaluate the role of the diagnostic radiographer in the modern healthcare environment and in the overall care of the service user.
- B4. Demonstrate a clear understanding of the role of continuing professional development and be able to reflect critically upon their performance and practice.
- B5. Evaluate research evidence and synthesise knowledge to support practice in diagnostic imaging.
- B6. Demonstrate their ability to make informed, sensitive, and ethically sound professional judgments in relation to diagnosis and treatment.
- B7. Appraise the factors impinging on the delivery of care within the inter-professional team.
- B8. Assess patients' needs by justifying requests for examination or treatment according to IR(ME)R 2017, IR(ME) Amendment Regulations 2018, IRR 2017 and BSS requirements.

Transferable Skills

- D1. Demonstrate effective communication with colleagues, carers and patients, acknowledging their diverse needs. Engages appropriately with information and communication technology.
- D2. Perform as an effective member of an inter-professional team.
- D3. Demonstrate confidence in understanding, manipulating, interpreting and presenting numerical data.
- D4. Gather information from a wide range of relevant sources and use methods of enquiry to collect and interpret data.
- D5. Demonstrate supervision and mentorship skills.
- D6. Demonstrate spatial awareness.
- D7. Demonstrate effective time management.
- D8. Recognise their own limitations and work within their scope of practice as a diagnostic radiographer, acknowledging their role in patient centred care and working with vulnerable patient groups.

Table 3: Development of Graduate Attributes in the Constituent Modules

This map identifies where the Graduate Attributes are delivered in the constituent modules. It provides (i) an aid to academic staff in understanding how individual modules contribute to the development of the Graduate Attributes (ii) a checklist for quality control purposes and (iii) a means to help students monitor their own personal and professional development as the programme progresses. [Note that there is no requirement for the Graduate Attributes to be assessed through these modules)

D = Delivered

	Module Title	Module Code	Professionally Focused	Globally Minded	Sustainability Driven	Digitally capable & confident	Inclusive and collaborative	Evidenced based and Ethical
Level 4	Introduction to Professional Practice	4HSK2025	D	D		D	D	D
	Introduction to Diagnostic Imaging	4HSK2026	D	D	D	D	D	D
	Anatomy, Physiology and Pathology- Foundations & Appendicular Skeleton	4HSK2027		D				D
	Anatomy, Physiology and Pathology- Chest, Abdomen, Spine and Pelvis	4HSK2028		D				D
	Principles of Radiation Science and Technology	4HSK2029				D		D
	Applications of Radiation Science and Technology	4HSK2030				D		D
Level 5	Developing Professional Practice	5HSK2031	D	D			D	D
	Complex Imaging Practice	5HSK2032	D	D	D	D	D	D
	Anatomy, Physiology and Pathology- Systems 1	5HSK2033		D				D
	Anatomy, Physiology and Pathology- Systems 2	5HSK2034		D				D
	Advanced Imaging Science and Technology	5HSK2035				D		D
	Research Methods – Diagnostic Radiography & Imaging	5HSK2036	D					D
Level 6	Developing Autonomous Imaging Practice	6HSK2051	D	D	D	D		D
	Transition to Professional Practice	6HSK2052	D	D	D		D	D
	Preliminary Clinical Evaluation 1	6HSK2053				D		D
	Application of Research in Health	6HSK2054						D

	Primary Clinical Evaluation 2	6HSK2055				D		D
	Exploration of Special Interest in Imaging Practice	6HSK2056	D			D		D

Section 2

Programme management

Relevant QAA subject benchmarking statements	None
Type of programme	Undergraduate
Date of validation/last periodic review	July 23
Date of production/ last revision of PS	July 23
Relevant to level/cohort	Level 4 entering September 2024
Administrative School	School of Health and Social Work
Language of Delivery	English

Table 4 Course structure

Course details			
Course Code	Course Description	HECOS	UCAS
HSRGI	BSc (Hons) Diagnostic Radiography & Imaging (Revised 2024)	100129	B821