

## PROGRAMME SPECIFICATION

### KEY FACTS

Programme name	Radiography (Computed Tomography); Radiography (Medical Magnetic Resonance)
Award	MSc
School	School of Health Sciences
Department or equivalent	Conjoint Division of Midwifery and Radiography
Programme code	PSRACT; PSRMMR
Type of study	Part Time
Total UK credits	180
Total ECTS	90

### PROGRAMME SUMMARY

The programme is organised on a part-time basis. Depending on the module(s) studied in any one term this may be a one day per week basis or short blocks of three to four days. Distance learning modules are delivered flexibly. The duration of the programme is based on the need to include the appropriate academic, clinical and professional elements appropriate for your individual study pathway. Your final award is determined by the number of masters level credits gained. There are three awards available from the programme:

1. Master of Science degree (main award)
2. Postgraduate Diploma
3. Postgraduate Certificate.
4. Individual modules of 15 and 30 Masters level credits can be studied for professional development purposes, will be awarded a certificate of credit and should you chose to continue with your postgraduate study this credit will be accepted toward your final postgraduate award.

Within this programme of study there are two different Postgraduate Certificate awards and two different Postgraduate Diploma awards and two different postgraduate MSc awards available, determined by the modules selected for study. To be awarded a specific postgraduate award in a clinical speciality, for example, Computed Tomography, you must successfully complete the Computed Tomography specific modules.

#### **Length of study:**

Postgraduate Certificate - minimum of six months to one year of study

Postgraduate Diploma - minimum of one to one and a half years of study

Master of Science degree - minimum of two to three years of study

Maximum period of registration for the programme is 5 years part-time

The postgraduate programmes in Radiography provide advanced education in Computed

Tomography and Medical Magnetic Resonance. The programmes of study will enable you to apply scientific, research, professional and technical knowledge to your role within Radiography. These programmes will allow you to build on the knowledge & clinical experience gained from your professional work complementing the experiences you already have and allowing you to enhance your professional development and make a greater contribution to the investigatory healthcare process or treatment pathway.

### Aims

The main aims of the programme are:

- To enhance the professional practice and personal development of practitioners
- To provide opportunities for discussion and shared experience between practitioners
- To enhance critical, analytical, professional, research & communication skills and promote the ability to relate these skills to individual clinical practice
- To further develop the skills necessary for life-long independent learning
- To prepare you to take on the professional roles of advanced practitioners
- To encourage you to act autonomously in planning & implementing tasks at a professional level
- To encourage you to develop originality in the application of knowledge to clinical practice
- To enhance your understanding of how established techniques of research and enquiry are used to interpret knowledge in your field.

### **Postgraduate Certificate**

If you are completing the Postgraduate Certificate in Radiography (Computed Tomography) or Radiography (Medical Magnetic Resonance) you will be able to examine the theories related to the underpinning physical principles, equipment, instrumentation and clinical applications in these respective disciplines. You will also show evidence of synthesis and apply your knowledge to the area of clinical practice that you are studying. You will have critical insight into problems related to the area of clinical practice and be able to evaluate your practice in relation to changes at local and national level, to provide safe, high quality care. You will also use a range of techniques to undertake your scholarly work.

### **Postgraduate Diploma**

If you are completing the Postgraduate Diploma in Radiography (Computed Tomography) or Radiography (Medical Magnetic Resonance) in addition to the above you will explore knowledge related to other areas of clinical practice and research techniques to broaden your expertise and skills. You will also evaluate critically current evidence in relation to a range of clinical areas and provide appropriate critiques of knowledge and techniques in relation to high quality patient care and safe clinical practice.

### **MSc**

If you are completing the MSc in Radiography (Computed Tomography) or Radiography (Medical Magnetic Resonance) you will demonstrate original application of knowledge to your chosen area of research in Computed Tomography/Medical Magnetic Resonance and consider which approaches are relevant to your practice. You will be engaged in research or scholarly activity that contributes new views to enhance the knowledge base or improve clinical practice within your chosen area of Computed Tomography/Medical Magnetic Resonance.

## **WHAT WILL I BE EXPECTED TO ACHIEVE?**

**On successful completion of this programme, you will be expected to be able to:**

### Knowledge and understanding:

- Demonstrate a comprehensive understanding of the biological, professional, clinical and scientific principles which influence the practice of Radiography
- Apply relevant knowledge to a range of situations and show an understanding of the relationships between these
- Demonstrate a knowledge and understanding of the theoretical concepts and methods which inform and improve practice
- Demonstrate a critical awareness of current issues which are at the forefront of the discipline

### Skills:

- Critically evaluate a range of evidence, techniques and protocols relevant to clinical practice and make informed judgements about its quality and appropriateness
- Manage your time appropriately and meet deadlines
- Critically reflect on your own learning and progress and how it can be transferred to practice
- Effectively use a range of information technology
- Demonstrate effective verbal and non-verbal communication skills
- Evaluate your own learning needs and plan your own continuing professional development
- Demonstrate autonomous/independent practice and professionalism
- Recognise, analyse and solve problems relating to clinical practice
- Undertake audit and research within the clinical environment
- Synthesise coherently and effectively the knowledge and expertise related to your area of practice
- Acquire and analyse information, evaluate its relevance and develop appropriate implementation strategies
- Evaluate your role in the delivery of a quality service
- Contribute to practice development and devise and implement schemes of work based on current evidence
- Develop and improve your own competence in recognised ways
- Seek and identify opportunities to apply new knowledge to your own and others

practice in structured ways

Values and attitudes:

- Make sound decisions, which are ethically based in the interest of patients
- Recognise the medico-legal, ethical and professional frameworks and their impact on clinical practice
- Understand the differences in cultural practices and beliefs of groups and individuals
- Demonstrate the necessary professional values appropriate for conduct within clinical practice

**Registration Period**

The normal period of registration for this programme is two years' taught programme (plus up to one year for dissertation).

The maximum period of registration for this programme is 5 years.

**HOW WILL I LEARN?**

The programme design ensures you learn the required information, understand the appropriate topics and can apply these to your clinical and professional practice. A range of teaching and learning methods are used including formal lectures, seminars, tutorials, demonstrations/workshops, clinical practice, work based learning and self-directed study. Lectures are used to disseminate information to you, thus extending your knowledge in some areas and presenting you with new information in others. Seminars, tutorials and discussion sessions are used to reinforce the student centred approach to learning by allowing you to prepare and present material to your peer group and encourages an interchange of ideas. Clinical and professional practice occurs in the workplace where you are able to develop clinical and professional skills and apply knowledge to a wide range of clinical situations. Self-directed study is used to encourage you to take responsibility for your own learning and to promote self-discipline and reflective skills.

**WHAT TYPES OF ASSESSMENT AND FEEDBACK CAN I EXPECT?**

Assessment and Assessment Criteria

The assessment scheme for this programme is designed to use a range of methods to assess the different skills required at an appropriate level. The assessments are designed in such a way that you will be developing your work based skills and engaging in advanced practice and research. It is required that you are working in the clinical speciality in which you will be studying for the duration of your studies. Students registered on the Radiography programme may elect to study any of the modules from the elective list provided that the assignments for each module fully reflect the clinical speciality of the intended award.

The range of assessments is intended to give a clear picture of your progress over the whole programme and to highlight areas which require remedial action or where you are progressing well. On completion of each set of assessments you are provided with written and/or verbal feedback on your progress and you are encouraged to develop self-evaluation skills. The range of assessments includes unseen examinations, assignments, clinical case studies, oral and poster presentations and independent research. Examinations assess your understanding of facts and concepts and their application to practice. Assignments give you the ability to explore specific topics in depth and to show evidence of the ability to put forward logical arguments, critically evaluate issues and communicate effectively in writing.

Case studies assess your ability to look at a particular clinical situation and evaluate the use of the imaging/treatment modality in patient management, thereby assessing the application of knowledge to clinical practice. Presentations are used to assess your ability to put forward logical arguments, critically evaluate issues and communicate effectively using an oral or poster method.

Assessment Criteria are descriptions, based on the intended learning outcomes, of the skills, knowledge or attitudes that you need to demonstrate in order to complete an assessment successfully, providing a mechanism by which the quality of an assessment can be measured. Grade- Related Criteria are descriptions of the level of skills, knowledge or attributes that you need to demonstrate in order to achieve a certain grade or mark in an assessment, providing a mechanism by which the quality of an assessment can be measured and placed within the overall set of marks. Assessment Criteria and Grade-Related Criteria will be made available to you to support you in completing assessments. These may be provided in programme handbooks, module specifications, on the virtual learning environment or attached to a specific assessment task.

Feedback will be provided in line with our Assessment and Feedback Policy. In particular, you will normally be provided with feedback within three weeks of the submission deadline or assessment date. This would normally include a provisional grade or mark. For end of module examinations or an equivalent significant task (e.g. an end of module project), feedback will normally be provided within four weeks. The timescale for feedback on final year projects or dissertations may be longer. The full policy can be found at:

[https://www.city.ac.uk/\\_data/assets/pdf\\_file/0008/68921/assessment\\_and\\_feedback\\_policy.pdf](https://www.city.ac.uk/_data/assets/pdf_file/0008/68921/assessment_and_feedback_policy.pdf)

### Assessment Regulations

In order to pass your programme, you should complete successfully or be exempted from the relevant modules and assessments and will therefore acquire the required number of credits. You also need to pass each Programme Stage of your programme in order to progress to the following Programme Stage.

The pass mark for each module is 50%.

If you fail a module you will normally be offered one resit attempt.

If you are successful in the resit, you will be awarded the credit for that module. The mark for each assessment component that is subject to a resit will be capped at the pass mark for the module. This capped mark will be used in the calculation of the final module mark together with the original marks for the components that you passed at first attempt.

If you do not meet the requirements for a module and do not complete your resit by the date specified you will not progress and the Assessment Board will require that you be withdrawn from the module and possibly the programme.

If you fail to meet the requirements for the programme, the Assessment Board will consider whether you are eligible for an Exit Award as per the table below.

If you would like to know more about the way in which assessment works at City, please see the full version of the Assessment Regulations at:

[http://www.city.ac.uk/\\_data/assets/word\\_doc/0003/69249/s19.doc](http://www.city.ac.uk/_data/assets/word_doc/0003/69249/s19.doc)

## WHAT AWARD CAN I GET?

### Master's Degree:

Part	HE Level	Credits	Weighting (%)	Class	% required
Dissertation	7	60	100	With Distinction	70
Taught / distance learning	7	120	100	With Merit	60
				Without classification	50

### Postgraduate Diploma:

Part	HE Level	Credits	Weighting (%)	Class	% required
Taught / distance learning	7	120	100	With Distinction With Merit	70 60
				Without classification	50

### Postgraduate Certificate:

Part	HE Level	Credits	Weighting (%)	Class	% required
Taught	7	60	100	With Distinction	70
				With Merit	60
				Without classification	50

## **WHAT WILL I STUDY?**

### **Radiography (Computed Tomography) Route**

- For the Postgraduate Certificate in Radiography (Computed Tomography) the core modules of RDM019 'Clinical Applications of Computed Tomography' and RCM123 'Science and Instrumentation of Computed Tomography' must be completed.
- For the Postgraduate Diploma in Radiography (Computed Tomography) to obtain a minimum of 120 credits and include the core modules of RDM019 'Clinical Applications of Computed Tomography', RCM123 'Science and Instrumentation of Computed Tomography' and HRM001 'Introduction to Research Methods and Applied Data Analysis' (or HRM011 – distance learning version) with the rest selected from elective modules. You may negotiate with the Programme Director to choose one 15 credit module from the modules on offer within the School of Health Sciences as long as the learning outcomes are in line with those of your programme.
- MSc Radiography (Computed Tomography) to obtain a minimum of 180 credits and include the core modules of RDM019 'Clinical Applications of Computed Tomography', RCM123 'Science and Instrumentation of Computed Tomography', RCM012 'Dissertation' and HRM001 'Introduction to Research Methods and Applied Data Analysis' (or HRM011 – distance learning version) with the rest selected from elective modules. You may negotiate with the Programme Director to choose one 15 credit module from the modules on offer within the School of Health Sciences as long as the learning outcomes are in line with those of your programme.

### **Radiography (Medical Magnetic Resonance) Route**

- For the Postgraduate Certificate in Radiography (Medical Magnetic Resonance) the core modules of RDM017 'Clinical Applications of Medical Magnetic Resonance' and RCM124 'Physics and Instrumentation of Medical Magnetic Resonance' must be completed.
- For the Postgraduate Diploma in Radiography (Medical Magnetic Resonance) to obtain a minimum of 120 credits and include the core modules of RDM017 'Clinical Applications of Medical Magnetic Resonance', RCM124 'Physics and Instrumentation of Medical Magnetic Resonance' and HRM001 'Introduction to Research Methods and Applied Data Analysis' (or HRM011 – distance learning version) with the rest selected from elective modules. You may negotiate with the Programme Director to choose one 15 credit module from the modules on offer within the School of Health Sciences as long as the learning outcomes are in line with those of your programme.
- MSc Radiography (Medical Magnetic Resonance) to obtain a minimum of 180 credits and include the core modules of RDM017 'Clinical Applications of Medical Magnetic Resonance', RCM124 'Physics and Instrumentation of Medical Magnetic Resonance', RCM012 'Dissertation' and HRM001 'Introduction to Research Methods and Applied Data Analysis' (or HRM011 – distance learning version) with the rest selected from elective modules. You may negotiate with the Programme Director to choose one 15 credit module from the modules on offer within the

School of Health Sciences as long as the learning outcomes are in line with those of your programme.

Module Title	SITS Code	Module Credits	Core/ Elective	Can be Compensated?	Level
Introduction to Research Methods and Applied Data Analysis	HRM001	30	C	N	7
Introduction to Research Methods and Applied Data Analysis	HRM011 (Distance Learning)	30	C	N	7
Dissertation	APM002	60	C	N	7
Education in the Work Place	CHM002	15	E	N	7
Evidence Based Practice	RCM005	15	E	N	7
Student Negotiated Module 1	RCM010	15	E	N	7
Comparative Imaging	CHM003	30	E	N	7
Science and Instrumentation of Computed Tomography	RCM123	30	C/E*	N	7
Physics and Instrumentation of Medical Magnetic Resonance	RCM124	30	C/E**	N	7
Clinical Applications of Medical Magnetic Resonance	RDM017	30	C/E**	N	7
Clinical Applications of Computed Tomography	RDM019	30	C/E*	N	7

\*Core module for the Computed Tomography route. Elective module for the Medical Magnetic Resonance route.

\*\*Core module for the Medical Magnetic Resonance route. Elective module for the Computed Tomography route.

#### WILL I GET ANY PROFESSIONAL RECOGNITION?

**Accrediting Body:** College of Radiographers

**Nature of Accreditation:** Professional Body Accreditation

## **HOW DO I ENTER THE PROGRAMME?**

The minimum entry qualifications for applicants to the postgraduate programme in Radiography will be:

- Honours degree in Radiography (2:2 or above) or
- Appropriate professional qualifications e.g. Diploma of the College of Radiographers
- International qualifications in Radiography may be acceptable if the holder is able to gain registration with the Health and Care Professions Council
- Any applicant with non-standard qualifications may apply subject to confirmation that their qualifications are acceptable and equivalent to an Honours degree in Radiography from a UK university
- Normally, applicants should have a minimum of 1 year of clinical experience in the clinical speciality in which they wish to study before starting the course and should continue in clinical practice while on the programme

For students whose first language is not English, the following qualifications will meet the English language requirement for entry to a post graduate course of study:

- International English Language Testing Service (IELTS) with a minimum score of 7 (minimum of 7 in all categories).

### **RPL/RP(E)L Requirements**

In accordance with City's Equal Opportunities Policy all applicants are advised that they may apply for exemption from specific modules. It is recognised that there may be applications to the programme from students who have completed a Postgraduate Certificate or Postgraduate Diploma at another university. To obtain exemption the applicant must provide the department with a portfolio of prior achievement(s) in which specific details such as course title, level and credits gained the learning outcomes, course content and assessment methods are presented. The applicant is invited to present this evidence at interview for the panel to review. It is the responsibility of the applicant to initiate any claim for exemption of any part of the course. All requests for exemption are subject to the approval of the Programme Management Team.

The limit to the volume of credit that can be permitted through RPL will be 60 credits where a student holds a Postgraduate Certificate in a Radiography related subject from another institution.

The limit to the volume of credit that can be permitted through RPL will be 120 credits where a student holds a Postgraduate Diploma in a Radiography related subject from another institution.

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