IPEM
Institute of Physics and Engineering in Medicine

YOUR PROFESSIONAL DEVELOPMENT

2027



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INTRODUCTION



Continuing Professional Development (CPD) describes the activities which professionals consciously and proactively engage in throughout their working life to develop and enhance their knowledge, skills and abilities.

As it helps you to remain ‘fit to practice’, CPD should be a normal part of every professional’s working life.

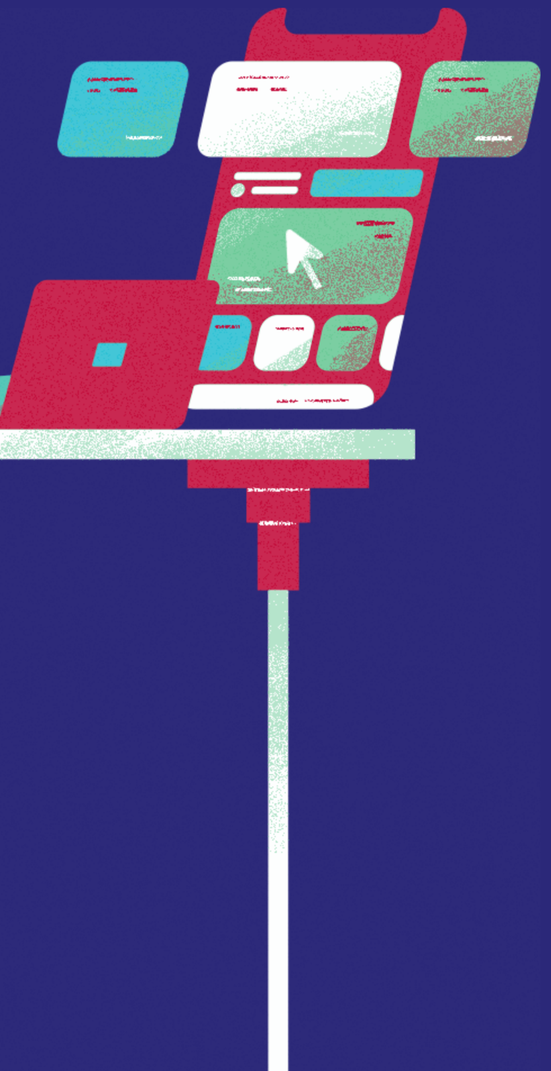
CPD can:

- cover anything you learn inside or outside of your routine work that can be applied to and support you in your professional development
- be routine and part of your role, for example daily checks of equipment
- be trying something new, like developing a new process
- be as simple as chatting with a colleague and learning something new they’ve shared

IPEM Members can head to our LMS for our How to do CPD course to learn more!

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Planning Your CPD



GOAL SETTING

You may already have a specific goal in mind for your professional development in 2027, be in the process of working towards a current goal or not have had the time to think about it yet. Professional Development has the most impact when you can set time aside to consider what it is you're looking to achieve and how. Take some time to set yourself 2-3 SMART goals for your development in 2027.

GAP ANALYSIS

Once you've identified your goal and where you want to get to, consider how you are going to get there:

1. What standards, skills or knowledge will you need to achieve this goal?
2. What experience or evidence do you have of already meeting those standards?
3. What activities could you undertake in order to fill any gaps you have?

LEARNING PLAN

Take those gap filling activities and create a Learning Plan.

- When will you undertake these activities?
- How long will it take?
- What will you need in order to do that activity?

Remember! Add flexibility for things like annual leave or unexpected challenges.

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CPD Framework

There are a variety of registrations, certifications and standards which MPCE professionals are required to meet. It can be challenging to undertake CPD which meets all of the required standards to maintain multiple registrations or you might prefer to undertake more general CPD.

IPEM has combined all the key frameworks into one simple CPD framework for MPCE professionals to use and record their CPD. On the next page you'll find how these frameworks link together and can also be used on IPEM's CPD portal!

A: Knowledge and Understanding
Having the knowledge of the technologies, standards and practices relevant to your area of work

B: Professional Practice
Ability to identify and apply physics or engineering knowledge effectively and efficiently, assuring quality of practice

C: Personal Responsibility and Leadership
Plan and manage own work effectively, providing leadership at an appropriate level and working appropriately with others

D: Communication
Communicating effectively and appropriately, demonstrating interpersonal skills

E: Professionalism
Undertaking Continuing Professional Development, maintaining confidentiality, EDI and patient centered care

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CPD Framework

A: Knowledge and Understanding	B: Professional Practice	C: Personal Responsibility and Leadership	D: Communication	E: Professionalism
HCPC 12. Understand and apply the key concepts 13. Draw on appropriate knowledge and skills to inform practice	HCPC 1.Practice safely and effectively within scope of practice 10. Reflect on and review practice 11. Assure quality of practice	HCPC 4. Practice as an autonomous professional, exercising own professional judgement 8. Work appropriately with others	HCPC 7. Communicate effectively 9. Maintain appropriate records	HCPC 3. Look after health and well being, seeking support where necessary 5. Recognise impact of culture, equality and diversity and practice in a non-discriminatory and inclusive manner
RCT A. Safe Working Practices C-D/E. Specialism requirements	RCT B. Equipment Management C-D/E. Specialism requirements	RCT A. Safe Working Practice	RCT E/F. Good Scientific Practice	RCT A. Safe Working Practice E/F. Good Scientific Practice
UK-SPEC A. Knowledge and understanding	UK-SPEC B. Design, development and solving engineering problems	UK-SPEC C. Responsibility, management and leadership	UK-SPEC D. Communication and interpersonal skills	UK-SPEC E. Personal and Professional Commitment
Science Council A. Application of knowledge and understanding	Science Council B. Professional Practice	Science Council C. Personal Responsibility	Science Council D. Interpersonal skills	Science Council E. Professionalism

IPEM CPD

A: Knowledge and Understanding



MRSE Online Course

8th - 12th March 2026

This course provides a comprehensive, up-to-date overview of the engineering, scientific and administrative aspects of MR Safety.



Ultrasound QA Workshop

April 2026

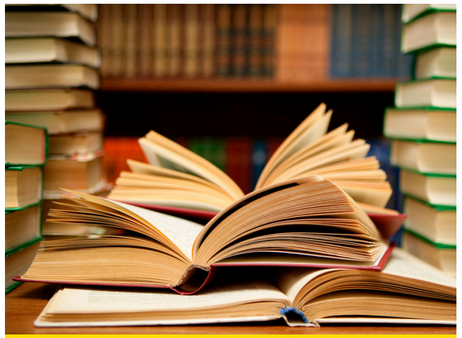
This course provides those new to Ultrasound QA the confidence to understand and carry out the basic, essential elements of an ultrasound scanner and probe QA, in line with IPEM guidance and current best practice.



Framework for IV Contrast

e-Learning

The aim of this self directed course is to develop the knowledge, understanding and skills relating to the safe and competent use of IV in the context of a modern Nuclear Medicine environment.



IPEM Journals

IPEM Full or Fellow members can now access IPEM's international peer reviewed journals for no extra charge, with other IPEM members continuing to receive a discount.

Coming in 2027:

- **Medical Radiological Equipment Management course for aspiring MPEs (e-Learning)**
- **Doppler and Elastography theoretical understanding (e-Learning)**

Express an interest and be the first to hear more about new Events and Training

IPEM Events and Training

IPEM CPD

B: Professional Practice



National Training in Bone Densitometry

Application deadline 28th February 2027

This training scheme provides the knowledge, understand and practical skills for DXA scanning.



Update Days

MPE Update Day
RWA/ RPA Update Day
MRSE Update Day

Keep in touch with the latest developments in your area and support the maintenance of your certification



IPEM Webinars

e-Learning

IPEM regularly hosts webinars sharing best practice across all MPCE specialisms. These are then available to IPEM members on our Learning Management System.



Guidance

Including books, journals, reports, workforce intelligence and member magazines, IPEM has a remarkable range of resources to help our members grow and develop their professional practice.

Coming in 2027:

- **Ultrasound and Optical Radiation Symposium**
- **Clinical Scientific Computing Symposium**

Express an interest and be the first to hear more about new Events and Training

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C: Personal Responsibility and Leadership



Time Management

e-Learning

This course takes a look at what time management is, the challenges involved and some strategies. We'll also explore why this is so crucial for the healthcare profession.



How to Support Aspiring MPEs

26th February 2027

This course covers an overview of the MPE application process, how to mentor, coach and engage and aspiting MPE as well as the different types of portfolios and mapping evidence



Volunteer

Check out current volunteering opportunities with IPEM which can broaden your network, influence policy and develop your knowledge and skills outside the workplace.



Leadership and Challenges in Medical Physics

A Strategic and Robust Approach: A EUTEMPE network book

This book aims to help aspiring future medical physics leaders with effective, strategic and robust leadership skills.

Coming in 2027:

- **Member benefit leadership e-Learning courses**
- **Heads of Radiotherapy Meeting 2027**

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IPEM CPD

D: Communication



How to Get Published

e-Learning

Learn how to navigate the publishing process, avoid common mistakes and prepare your work for success. Featuring practical tips, guidance and lived experience, this course will help you take the next step with confidence.



Scientific Report Writing

e-Learning

This course discusses the types of reports you may write across your career. You'll learn the components of a scientific report, as well as top tips for writing effectively.



Present at an IPEM Conference

IPEM hosts a full programme of regular events that you can submit abstracts to and present at. This is great way to share your ongoing innovations and initatives.



Outreach resources

Members can use hands on equipment for any outreach events they are attending or hosting, including a Radiotherapy careers VR headset, ultrasound foetal phantom and a cable-less geiger counter to demonstrate radiation activity.

Coming in 2027:

- **Writing a Business Case (e-Learning)**

Express an interest and be the first to hear more about new Events and Training

IPEM Events and Training

IPEM CPD

E: Professionalism



Clinical Scientist Training Workshop

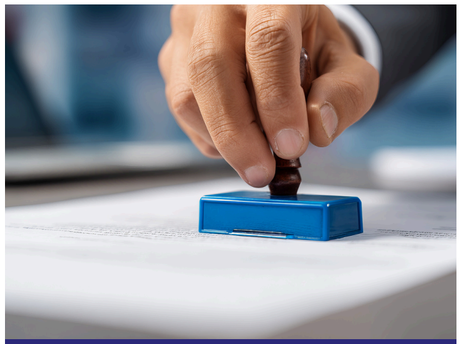
January and July 2026

This training day is aimed at Clinical Scientist trainees who are preparing to submit a portfolio to the Association of Clinical Scientist's Route 2 or the Academy of Healthcare Science STP Equivalence.



How to Get It?

IPEM holds a variety of registration support sessions, and provides e-Learning courses:
Medical Physics Expert
Radiation Protection Advisor
Higher Specialist Scientist
Laser Protection Advisor
Radiation Waste Advisor
RCT through Equivalence



Gain registration with the Science Council and/or Engineering Council

IPEM is licenced to assess members for registration under the Science Council and Engineering Council.



Become Magnetic Resonance Safety Expert Certified

Becoming certified demonstrates your knowledge and experience as a Magnetic Resonance Safety Expert.

Coming in 2027:

- **MPE Portfolio Preparation workshops**

Express an interest and be the first to hear more about new Events and Training

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What Next?



RECORD

Record your CPD on IPEM's LMS - many registrations and certifications ask you to present evidence of the CPD you are undertaking; make sure you are keeping a regular record of the activity so it isn't forgotten.

Tip! IPEM members who have attended IPEM courses or events and have previously logged into the LMS will have their attendance automatically recorded in the IPEM CPD portal.

REFLECT

Reflect on your learning and think critically about how the learning can be applied.

You can also discuss with a line manager or colleague on how your learning could be implemented into practice.

REFINE

Ask your line manager to observe you and provide feedback on any new skills you are learning.

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CONTACT

EMAIL

training@ipem.ac.uk

PHONE

01904 610 821

ADDRESS

Fairmount House, 230
Tadcaster Road, York,
YO24 1ES

WEBSITE

ipem.ac.uk