

This series of leaflets highlights the career opportunities in Clinical Engineering.

To find out more about Medical Physics or Clinical or Biomedical Engineering, contact us:



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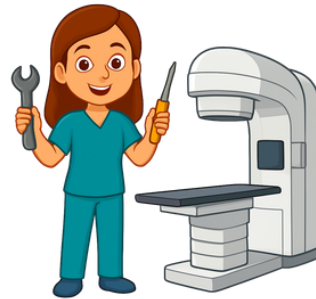
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Other Clinical Engineering Careers

- Rehabilitation Engineering
- Physiological Measurement
- Radiotherapy Engineering
- Medical Device Management
- Medical Device Innovation



Find the IPEM Careers Guide here

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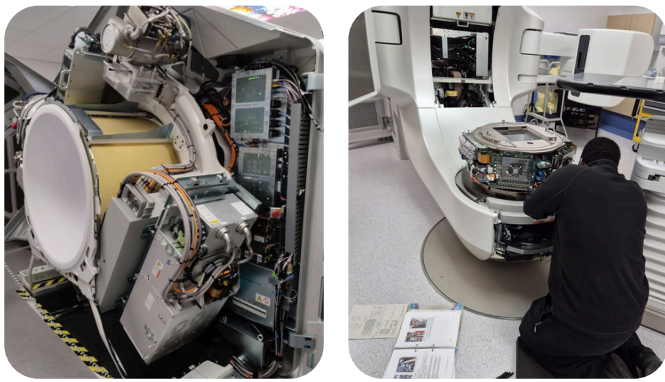
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IPEM
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Engineering in Medicine

Clinical Engineering Careers

Radiotherapy Engineering





What do we do?

- Radiotherapy Engineers keep cancer treatment machines (called Linear Accelerators) running safely.
- These machines use microwave technology to speed up electrons and create high-energy X-rays that target cancer cells.
- Each one treats up to 40 patients a day, so engineers make sure they work perfectly, every time.

A day in the life

- **Early start (7AM):** Run safety and performance checks.
- **Service time:** Open covers, test parts, and check for damage.
- **Final checks:** Ensure the machine is safe and ready for treatment.



Hear from some real life
Clinical Engineers here



Engineer Specialisms

- **IT & Networking Radiotherapy Engineer Advanced Practitioner:** We work with physicists to keep computers and networks running. Sometimes we even build our own fault-finding software!
- **Imaging Radiotherapy Engineer Advanced Practitioner:** We work with physicists to make sure patient scans are clear, accurate, and safe.
- **Mechanical Radiotherapy Engineer Advanced Practitioner:** We use tools and machines to build custom parts that help patients and physicists.

Why it's great!

We work with cutting-edge technology, solve real problems, and help people get vital cancer treatment every day.

