

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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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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Institute of Physics and
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Clinical Engineering Careers

Physiological Measurement





What is Physiological Measurement?

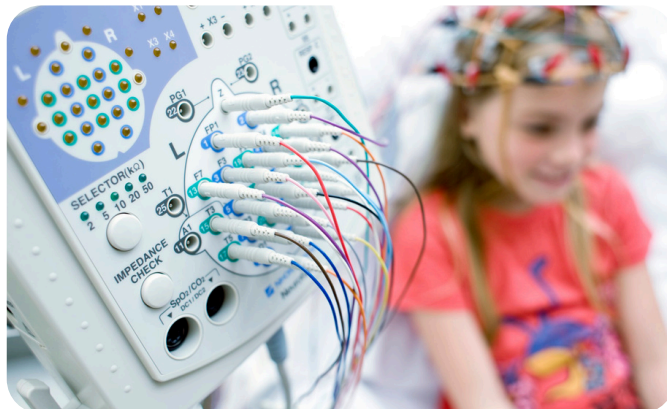
Clinical Engineers in Physiological Measurement:

- Use technology to measure how the body works
- Design and look after the equipment that does those tests
- Help patients by making sure medical equipment gives clear, reliable results
- Mix hands-on patient work with high-tech problem-solving
 - One day: fitting sensors to check for seizures
 - Next day: improving software so heart monitors are more accurate

It's an ideal career if you enjoy science, technology and solving problems.

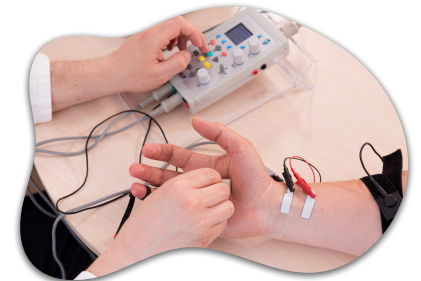


Hear from some real life
Clinical Engineers here



What do we do?

- **Run advanced tests:** We measure things like heart rhythms (ECG), brain activity (EEG), breathing and lung function, blood flow, or muscle signals.
- **Set up and calibrate equipment:** We maintain, test and calibrate devices like motion-tracking cameras and spinal monitoring systems for accurate results.



- **Analyse results:** We interpret graphs, signals, and images, then share findings with healthcare teams to guide treatment.
- **Develop new tools:** We work with engineers and researchers to create or improve sensors, software, and monitoring devices for better patient care.

