

HEALTHCARE TECHNOLOGY MANAGEMENT OF DIGITAL DEVICES

Overview	Medical devices are essential to the delivery of safe and effective patient care and need to be proactively managed to ensure risks associated with their acquisition and use are minimised. Increasingly such equipment may be networked, contain software and data that need to be proactively managed as healthcare technology systems. The course aims to introduce the concepts associated with healthcare technology management, with a specific focus on digital devices. A systems engineering approach will be introduced to provide a framework to support developers and users of healthcare technologies to gain a practical approach to introducing innovative technology and managing devices in clinical settings.
Outcomes	At the end of this module you will be able to: <ul style="list-style-type: none"> • Describe key regulations and standards that underpin medical device safety in the NHS • Understand healthcare technology management processes and outline the key elements in the equipment management life cycle • Identify key digital technology risks, e.g. data protection, data management and cyber security • Apply risk management techniques to support safe and effective digital healthcare technology utilisation • Apply the learning to case studies involving digital medical devices in your organisation • Develop digital technology support plans • Gain an insight into roles and responsibilities within organisations • Appreciate governance issues associated with the selection, application and use of medical apps, software as a medical device
Hours	7 x 3 hour sessions, totalling 21 hours contact time with course facilitators, plus self study - 35 hours in total
How will the module be taught?	Blended (online and in a classroom)
Delivery	2 half day face to face cohort meeting, one at the beginning and one at the end of the course, interspersed with 5 weekly 3 hour virtual classroom/breakout sessions.
Delivery dates	All sessions will be held on consecutive weeks on a Thursday afternoon, (13:00-16:00), with commencement dates: A 28th October 2021 B 16th December 2021 (recommences 6/1/22) C 17th February 2022
Delivery location	Bristol
Course Leader	Professor Richard Scott - Director of Medical Physics and Bio Engineering, University Hospital Bristol and Weston NHS Foundation Trust