If you are a health practitioner, engineer, IT professional, or scientist, this unique program will equip you with the skills to deliver improved health outcomes for patients through the innovative use of health technologies.

Healthcare solutions are increasingly dependent on the innovative use of modern technologies. The Master of Health Technology Innovation is a professional degree for those seeking to broaden their career options and take advantage of exciting opportunities in this emerging field.

Recognising the changing healthcare landscape, the Master of Health Technology Innovation will help you bridge the gap between the technical and clinical arenas. You will work alongside engineers, IT specialists and health professionals on cross-disciplinary projects in the University’s flagship Charles Perkins Centre.

You will be taught by leaders in health, engineering and technology from the University and its extensive network of hospitals and healthcare facilities.

"Technological advancement and innovation are driving significant change in the health sector. I see substantial opportunities for graduates who have both the technical expertise and medical knowledge to drive this advancement."

- Klaus Schindhelm
Chief Research Officer
ResMed Ltd

Apply now
To apply, or for more information visit: sydney.edu.au/courses/master-of-health-technology-innovation
Course Structure

Core units (complete all four)
- Nature of Systems
- Quality Frameworks for Health Innovation
- Health Technology Evaluation
- Integrated Approach to Chronic Disease

Foundation units (select four)
- Fundamentals of Neuromodulation
- Object Orientated Design
- Design of Networks and Distributed Systems
- Database Management Systems
- Philosophy of Medicine
- Information Technologies and Systems
- Algorithms
- Software Development in Java
- Information Technology for Health Professionals
- Introductory Biostatistics
- Qualitative Methodologies & Study Design
- Medical Image Perception
- Epidemiology Methods and Uses

Specialist units (select four)
- Biomedical Engineering Technology
- Biomechanics and Biomaterials
- Trial Design and Methods
- e-Health for Health Professionals
- Understanding IT Innovations
- Knowledge Management Systems
- Creating a Culture of Safety and Quality
  Health and Risk Communication
- Applied Tissue Engineering
- Human and Animal Research Ethics
- Ethics and Public Health
- Statistical Natural Language Processing
- Mobile Computing
- Cloud Computing
- Information Technology in Biomedicine
- Usability Engineering
- Introduction to Bioinformatics
- Enterprise Healthcare Information Systems
- Advanced Epidemiology
- Advanced Qualitative Health Research
- Medical Image Optimisation
- Signals, Software and Health

Capstone or Dissertation (research) project

Course duration

2 years full time

Depending on your professional experience and/or the level and type of your prior studies, you may be eligible for recognition of prior learning. This will reduce the length of your degree.

We also offer a Graduate Diploma in Health Technology Innovation (1.5 years full time).

To accommodate your professional commitments, we offer flexible study options. Units of study can be completed in block/intensive mode, during the evening, online or through a combination of options.

Admission requirements

Applicants require one of the following:
- a recognised bachelor's degree with a credit average from the University of Sydney or equivalent, or
- A Graduate Diploma in Health Technology Innovation with a credit average from the University of Sydney.

How to apply

For more information visit:
sydney.edu.au/courses/master-of-health-technology-innovation

For more information

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