



LA TROBE
UNIVERSITY • AUSTRALIA

International New Program Brief

Master of Digital Health

Location: Bundoora Campus

Intakes: Semester 1 (February), Semester 2 (July)

Duration: 2 years full-time

CRICOS code: 0101684

Full description: latrobe.edu.au/hmdh

Why study digital health?

Be a part of the transformation of healthcare: Like other industries, healthcare is being transformed by emerging technologies such as real-time data harvesting mobile health, wearable devices and the Internet of Medical Things. Demand is booming for healthcare professionals who can design, develop, implement, evaluate and manage digital health technology. This course gives students the specialised knowledge and skills to meet this demand.

In this course, students:

- **learn to work** at the intersection of healthcare and technology
- **build specialised knowledge** in key technical areas
- **develop solutions to real-world problems** with either a research or industry project.

Why study it at La Trobe?

- **Our students learn from the best.** This course has been developed in consultation with industry leaders and academics who are world-renowned in the advancement of digital health innovations, data analytics, machine learning, computer science and entrepreneurship.
- **Students develop solutions to real-world problems.** In their final year, they'll have the opportunity to collaborate with industry partners and participate in a research project or an "action learning" industry project that addresses a healthcare need or opportunity.
- **Students can specialise in the key areas driving industry change,** including:
 - **Health Data Analytics and Visualisation,** conducting research on big data in healthcare and use computational techniques to interrogate complex datasets.
 - **Applied eHealth,** gaining an understanding of eHealth systems management and the quality and safety requirements of healthcare organisations.
 - **Health Technopreneurship and Biodesign,** discovering how design thinking and entrepreneurship are key to technological innovation in digital health.
 - **Tele and Virtual Health,** exploring how design frameworks and quality considerations are used to evaluate tele and virtual health applications.
- **Our world-class interdisciplinary research and expertise** and high rates of partnered research in health and IT make us leaders in digital health. We're supported by industry connections through our ongoing relationships with large health networks.

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Student profile

This degree will appeal to students who:

- are experienced healthcare workers who want to upskill and be ready for the increasing use of digital technology in healthcare
- are executives in the healthcare industry who know that emerging technologies are transforming healthcare and want to help guide these changes
- are IT professionals/managers looking to take their technology skills and shift to healthcare and digital health
- have a different professional role and are looking to take advantage of job opportunities opening up through the digital transformation of healthcare.

What will students learn?

Our renowned expertise in health education means our students build the knowledge they need in key areas like:

- **Medical informatics and virtual health**
 - Exploring digital health innovations and how they're used to provide accessible, affordable and quality healthcare.
- **Big data in health and the Internet of Medical Things**
 - Learning about how these can be used in real-world applications.
- **The future of digital health**
 - Examining current and upcoming digital health innovations and their impact on healthcare professionals, patients and technical specialists.
- **Health communication in the digital age**
 - Discovering to use digital platforms for health communication and developing fundamental skills for effective communication in the digital age.

La Trobe rankings and statistics

- La Trobe is in the top 1% of universities worldwide (Times Higher Education, *World University Rankings 2022*; CSIC, *Ranking Web of Universities*).
- Our clinical, pre-clinical and health subjects are ranked in the world's top 200 (Times Higher Education, 2021, *World University Rankings by subject*).
- The ARWU ranks our public health subjects in the world's top 300 (ShanghaiRanking, 2021, *ShanghaiRanking's Global Ranking of Academic Subjects 2021*).
- Our graduates have an employer satisfaction rating of 87.8% (QILT, *2021 Employer Satisfaction Survey*).
- We offer a leading career-ready program that develops the professional skills that employers want.

Career outcomes

The healthcare system is continuing to increase its use of digital technology, so current healthcare professionals will need to build new skills to succeed throughout their career. Existing career outcomes that will need a stronger understanding of digital technology include:

- clinicians
- allied health professionals (such as physiotherapists, nurses or podiatrists)
- pharmacists
- business analysts
- project managers
- health information managers.

This degree also gives students the skills they need to step into careers being created or re-shaped by digital healthcare, such as:

- CXO (in clinical settings)
- healthcare analytics professional
- population health advisor
- digital health technopreneur
- IT specialists/professionals
- digital health researcher.

Competitor courses

Institution	Course	Notes
Western Sydney University	<i>Master of Health Science (Digital Health)</i>	<ul style="list-style-type: none"> • Does not provide the ability to choose four specialisations spanning the digital health cycle. • Concentrated on information management only.
Uni of Melbourne	Graduate Certificate in Health Informatics and Digital Health	<ul style="list-style-type: none"> • Does not provide Masters, only a Grad Cert level. • Focuses on health informatics and data and information management and analysis.
UNSW	Master of Science in Health Data Science	<ul style="list-style-type: none"> • Does not provide the ability to choose four specialisations spanning the digital health cycle

Highlights – Master of Digital Health

Location	Bundoora Campus	CRICOS code	0101684
Duration	2 years full-time		
Entry requirements	<p>An Australian Bachelor's degree in any discipline or an approved equivalent qualification with at least a WAM of 65%; or</p> <p>An Australian Bachelor's degree in any discipline or approved equivalent qualification with at least a WAM of 60% and a personal statement. The personal statement should address reasons seeking to study the Master of Digital Health, relevant employment/work experience, relevant skills to enable the student to study digital health and evidence of contribution to the digital health community.</p> <p>IELTS (Academic) score of 6.5 with no individual band score less than 6.0.</p>		
Scholarships	<p>Scholarships are available for both current and future students, including La Trobe International Scholarships offering reductions of up to 30% on course fees depending on academic performance. Find out more about our scholarships and eligibility requirements here:</p> <p>https://www.latrobe.edu.au/international/fees/scholarships</p>		
Work Integrated Learning & internships	<p>In their final year, students will have the opportunity to work on projects with real-world relevance and collaborate with industry partners. They'll participate in either a research project or an "action learning" industry project.</p>		
Pathways	<p>Students with a Master's level equivalent in health information management, healthcare analytics, digital health, public health, health services management, business management and/or analytics and computer science will be considered for advanced standing in up to 2 relevant subjects (where applicable) and preclusion for other applicable core/specialisation subjects, (where applicable).</p>		
Relationship to migration	<p>Career options in the health sector are subject to visa eligibility. Students should refer to the skilled occupation list on the Department of Home Affairs website below to determine eligibility upon successful completion of the course.</p> <p>https://immi.homeaffairs.gov.au/visas/working-in-australia/skill-occupation-list</p>		
Link to subject outlines	latrobe.edu.au/hmdh		

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