

DIGITAL HEALTH, TESTAMUR MAJOR (T089)

Western Sydney University Major Code: T089

Previous Codes: A4053.1, A4054.1, A4055.1

Select the link for your program below for the major summary, locations and availability

Master of Data Science

Available to students in other Western Sydney University

Programs: Yes. Check that your program has the available credit points required to complete the subjects in this field of study. Any requisite requirements must also be met. Consult your Program Advisor for further advice.

Advances in computing and technology mean that health care systems and staff have a greater reliance on digital systems to inform, support and manage the delivery of effective patient care. In this Field of Study, students learn about the critical role of digital health innovations, the core components of digital health management system, and human-centred digital health design.

Location

Campus	Mode	Advice
Parramatta–Victoria Rd	Internal	As above

Master of Health Science

Available to students in other Western Sydney University programs?

No

The Digital Health major combines the opportunity to study contemporary issues associated with digital health management in healthcare organisations with the integration of a sound understanding of the impact of digital health, as well as the development and implementation of projects and programs relating to this growing and critical area in both organisations and professional practice. The major would be of interest to clinicians, health management and science (information engineering) professionals, and personnel working in health corporate roles with responsibilities in health data and information. Students in this major can further focus their studies in aspects of innovation and entrepreneurship, and research and development in the digital health space

Location

Campus	Mode	Advice
	Online	Dr John Bidwell (apa_pghealthsci@westerrn.edu.au)
Parramatta Campus - Victoria Road	Internal	Dr John Bidwell (apa_pghealthsci@westerrn.edu.au)

Inherent Requirements

The Inherent requirement for the Master of Health Sciences will apply to this Field of Study: https://www.westernsydney.edu.au/ir/inherent_requirements/inherent_requirements_for_master_of_public_health_and_master_of_health_science (https://www.westernsydney.edu.au/ir/inherent_requirements/inherent_requirements_for_master_of_public_health_and_master_of_health)

Major Structure

Select the link for your program below to see details of the major

Master of Data Science

Students must complete 40 credit points as follows

Subject	Title	Credit Points
PUBH 7031	Health Systems and Policy	10
INFS 7002	Advanced Healthcare Software and Systems	10
PUBH 7029	Digital Health Management	10
PUBH 7032	Patient-centred digital healthcare	10
Total Credit Points		40

Master of Health Science (Digital Health) 1 year pathway

Students must complete 80 credit points, as listed below.

Subject	Title	Credit Points
Domain Subjects		
PUBH 7016	Introduction to Epidemiology	10
PUBH 7033	The Social Determinants of Health	10
Specialisation Core		
PUBH 7032	Patient-centred digital healthcare	10
INFS 7001	Advanced Healthcare Data Environments	10
INFS 7002	Advanced Healthcare Software and Systems	10
PUBH 7029	Digital Health Management	10
Capstone /Applied Subjects		
HLTH 7027	Professional Project in Health 1	20
Total Credit Points		80

Master of Health Science (Digital Health) 1.5 year pathway

Students must complete 120 credit points, including all the Domian and Specialisation Core Subjects.

Subject	Title	Credit Points
Domain Subjects		
PUBH 7016	Introduction to Epidemiology	10
PUBH 7033	The Social Determinants of Health	10
PUBH 7031	Health Systems and Policy	10
HLTH 7025	Healthcare Data for Decision-Making	10
Specialisation Core		
PUBH 7032	Patient-centred digital healthcare	10
INFS 7001	Advanced Healthcare Data Environments	10
INFS 7002	Advanced Healthcare Software and Systems	10
PUBH 7029	Digital Health Management	10

Capstone /Applied Subjects

Please note that the following subjects have Enrolment Restrictions.

Select one of the following 40 credit point subjects:	40
HLTH 7004	Dissertation
HLTH 7020	Dissertation (Part Time)
HLTH 7026	Professional Internship in Health
HLTH 7030	Professional Internship in Health (Part-time)
OR the following two subjects for 40 credit points	
HLTH 7027	Professional Project in Health 1

HLTH 7028	Professional Project in Health 2	PUBH 7030	Health Systems Planning and Evaluation	
OR the following 20 credit point subject plus two 10 credit point subjects from the list of alternate subjects below		HLTH 7029	Quality and Safety	
HLTH 7027	Professional Project in Health 1	PUBH 7034	Workplace Safety and Risk Management	
Alternate subjects		Total Credit Points	120	
POLI 7002	Translation from Theory and Research to Policy	Replaced Subjects		
REHA 7027	Research into Practice: bridging the clinician-researcher divide in applied and creative therapies	The subjects listed below count towards completion of this major for students who passed these subjects in 2019 or earlier.		
BUSM 7027	Employment Relations Professional Practice	HUMN 4009 - Research Design 1: Theories of Enquiry, replaced by HUMN 4001 Researcher Development 1: Reading ,Writing, and the Business of Research		
BUSM 7043	Industrial Relations and Workplace Change	HUMN 4012 - Research Literacies, replaced by HUMN 4003 Writing Beyond the Academy: Knowledge Translation and Public Audience Communication		
BUSM 7081	Reward Management	Master of Health Science (Digital Health) 2 year pathway		
BUSM 7087	Strategic Employment Relations	Students must complete 160 credit points, including all the Domian and Specialisation Core Subjects.		
ACCT 7015	Information for Decision Making	Subject	Title	Credit Points
BUSM 7024	Developing Human Capital and Organisational Capability	Domain Subjects		
BUSM 7025	Diversity, Labour Markets and Workforce Planning	PUBH 7016	Introduction to Epidemiology	10
BUSM 7045	Innovation Through Digital Technology	PUBH 7033	The Social Determinants of Health	10
BUSM 7040	Governance, Ethics and Social Entrepreneurship	PUBH 7031	Health Systems and Policy	10
BUSM 7072	New Venture Finance	HLTH 7025	Healthcare Data for Decision-Making	10
BUSM 7028	Entrepreneurial Management Capabilities	Specialisation Core		
BUSM 7046	Innovation for New Markets	PUBH 7032	Patient-centred digital healthcare	10
BUSM 7048	Innovation, Creativity and Foresight	INFS 7001	Advanced Healthcare Data Environments	10
BUSM 7064	Managing Project Teams and Stakeholders	INFS 7002	Advanced Healthcare Software and Systems	10
BUSM 7082	Risk Management and Decision Making	PUBH 7029	Digital Health Management	10
BUSM 7090	Strategic Project Management	Special Focus Group and alternate subjects		
BUSM 7097	Time and Quality Management	Students can choose four subjects from a Special Focus Group, or any combination of four subjects from the Special Focus Groups, or complete four alternate subjects.		
MGMT 7003	Financial Management of Projects	40		
NURS 7028	Leadership in Clinical Practice			
PUBH 7020	Policy, Power and Politics in Health Care Provision	Special Focus Group: Research		
PUBH 7026	Supporting Aged Communities	HLTH 7015	Qualitative Research Methodology in Health	
PUBH 7011	Health Advancement and Health Promotion	AGEN 7005	Research Protocol Design and Practice	
PUBH 7018	Leadership for Quality and Safety in Health Care	HUMN 4001	Researcher Development 1: Reading ,Writing, and the Business of Research	
PUBH 7014	Health and Socio-political Issues in Aged Care	HUMN 4003	Writing Beyond the Academy: Knowledge Translation and Public Audience Communication	
HLTH 7002	Building Organisational Capacity in Health Care	Special Focus: Innovation and Entrepreneurship		
PUBH 7028	Surveillance and Disaster Planning	BUSM 7028	Entrepreneurial Management Capabilities	
HLTH 7008	Introduction to Biostatistics	BUSM 7040	Governance, Ethics and Social Entrepreneurship	
AGEN 7005	Research Protocol Design and Practice	BUSM 7048	Innovation, Creativity and Foresight	
NURS 7019	Cultural and Social Diversity in Health Care	BUSM 7046	Innovation for New Markets	
PUBH 7015	Introduction to Clinical Epidemiology	BUSM 7045	Innovation Through Digital Technology	
PUBH 7010	Epidemiology of Non-Communicable Diseases	BUSM 7072	New Venture Finance	
PUBH 7002	Analytic Approaches in Epidemiology	Alternate subjects		
PUBH 7025	Statistical Methods in Epidemiology	POLI 7002	Translation from Theory and Research to Policy	
PUBH 7008	Environmental Epidemiology	REHA 7027	Research into Practice: bridging the clinician-researcher divide in applied and creative therapies	
PUBH 7005	Controversies in Epidemiology	BUSM 7027	Employment Relations Professional Practice	
PUBH 7006	Data Management and Programming for Epidemiology	BUSM 7043	Industrial Relations and Workplace Change	
HLTH 7015	Qualitative Research Methodology in Health	BUSM 7081	Reward Management	
BUSM 7078	Project Management			
HUMN 4001	Researcher Development 1: Reading ,Writing, and the Business of Research			
HUMN 4003	Writing Beyond the Academy: Knowledge Translation and Public Audience Communication			
HLTH 7022	Advanced Health Service Management			
HLTH 7024	Health Services Financing			

BUSM 7087	Strategic Employment Relations	HLTH 7028	Professional Project in Health 2
ACCT 7015	Information for Decision Making	Total Credit Points	160
BUSM 7024	Developing Human Capital and Organisational Capability		
BUSM 7025	Diversity, Labour Markets and Workforce Planning	Replaced Subjects	
BUSM 7045	Innovation Through Digital Technology	The subjects listed below count towards completion of this major for students who passed these subjects in 2019 or earlier.	
BUSM 7040	Governance, Ethics and Social Entrepreneurship	HUMN 4009 - Research Design 1: Theories of Enquiry	
BUSM 7072	New Venture Finance	HUMN 4012 - Research Literacies, replaced by HUMN 4003 Writing Beyond the Academy: Knowledge Translation and Public Audience Communication	
BUSM 7028	Entrepreneurial Management Capabilities	HUMN 4001 Researcher Development 1: Reading ,Writing, and the Business of Research	
BUSM 7046	Innovation for New Markets		
BUSM 7048	Innovation, Creativity and Foresight		
BUSM 7064	Managing Project Teams and Stakeholders		
BUSM 7082	Risk Management and Decision Making		
BUSM 7090	Strategic Project Management		
NURS 7028	Leadership in Clinical Practice	Master of Data Science (3735) (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/master-data-science/)	
PUBH 7020	Policy, Power and Politics in Health Care Provision	Master of Health Science (4698) (https://hbook.westernsydney.edu.au/archives/2024-2025/programs/master-health-science/)	
PUBH 7026	Supporting Aged Communities		
PUBH 7011	Health Advancement and Health Promotion		
MGMT 7003	Financial Management of Projects		
PUBH 7018	Leadership for Quality and Safety in Health Care		
PUBH 7014	Health and Socio-political Issues in Aged Care		
HLTH 7002	Building Organisational Capacity in Health Care		
BUSM 7097	Time and Quality Management		
PUBH 7028	Surveillance and Disaster Planning		
HLTH 7008	Introduction to Biostatistics		
AGEN 7005	Research Protocol Design and Practice		
NURS 7019	Cultural and Social Diversity in Health Care		
PUBH 7015	Introduction to Clinical Epidemiology		
PUBH 7010	Epidemiology of Non-Communicable Diseases		
PUBH 7002	Analytic Approaches in Epidemiology		
PUBH 7025	Statistical Methods in Epidemiology		
PUBH 7008	Environmental Epidemiology		
PUBH 7005	Controversies in Epidemiology		
PUBH 7006	Data Management and Programming for Epidemiology		
HLTH 7015	Qualitative Research Methodology in Health		
HLTH 7022	Advanced Health Service Management		
HLTH 7024	Health Services Financing		
PUBH 7030	Health Systems Planning and Evaluation		
HLTH 7029	Quality and Safety		
PUBH 7034	Workplace Safety and Risk Management		
BUSM 7078	Project Management		
HUMN 4003	Writing Beyond the Academy: Knowledge Translation and Public Audience Communication		

Capstone / Applied Subjects

Please note that the following subjects have Enrolment Restrictions.

Select one of the following 40 credit point subjects: 40

- HLTH 7004 Dissertation
- HLTH 7020 Dissertation (Part Time)
- HLTH 7026 Professional Internship in Health
- HLTH 7030 Professional Internship in Health (Part-time)

OR complete the two following 20 credit point subjects

- HLTH 7027 Professional Project in Health 1