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	Dr David Lim

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	Stewart Alford (https://directory.westernsydney.edu.au/search/email/stewart.alford@westernsy
Parramatta Campus - Victoria Road	Internal	Stewart Alford (https://directory.westernsydney.ed search/email/stewart.alford@westernsydney.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 (https://www.westernsydney.edu.au/ir/inherent_requirements/inherent_requirements_for_master_of_public_health_and_master_of_health_scienc

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**

Further information on recommended progression is available on the Postgraduate Health Science progresson page.

Postgraduate Health Science Progression (https://www.westernsydney.edu.au/__data/assets/pdf_file/0011/1628291/Proposed_Progression_Postgraduate_Health_Science.pdf)

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

OR the following 20 credit point subject plus two 10 credit point subjects from the list of alternate subjects below

HLTH 7027	Professional Project in Health 1

Alternate subjects

POLI 7002	Translation from Theory and Research to Policy
REHA 7027	Research into Practice: bridging the clinician-researcher divide in applied and creative therapies
BUSM 7027	Employment Relations Professional Practice
BUSM 7043	Industrial Relations and Workplace Change
BUSM 7081	Reward Management
BUSM 7087	Strategic Employment Relations
ACCT 7015	Financial Reports for Decision Making
BUSM 7024	Developing Human Capital and Organisational Capability
BUSM 7025	Diversity, Labour Markets and Workforce Planning
BUSM 7045	Innovation Through Digital Technology
BUSM 7040	Governance, Ethics and Social Entrepreneurship
BUSM 7072	New Venture Finance
BUSM 7028	Entrepreneurial Management Capabilities
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
BUSM 7097	Time and Quality Management
MGMT 7003	Financial Management of Projects
NURS 7028	Leadership in Clinical Practice
PUBH 7020	Policy, Power and Politics in Health Care Provision
PUBH 7026	Supporting Aged Communities
PUBH 7011	Health Advancement and Health Promotion
PUBH 7018	Leadership for Quality and Safety in Health Care
PUBH 7014	Health and Socio-political Issues in Aged Care
PUBH 7004	Communicable Diseases
HLTH 7002	Building Organisational Capacity in Health Care
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
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
PUBH 7030	Health Systems Planning and Evaluation
HLTH 7029	Quality and Safety
PUBH 7034	Workplace Safety and Risk Management

Total Credit Points	**120**

Replaced Subjects

The units listed below count towards completion of this major for students who passed these subjects in 2019 or earlier.

HUMN 4009 - Research Design 1: Theories of Enquiry, replaced by HUMN 4001 Researcher Development 1: Reading ,Writing, and the Business of Research

HUMN 4012 - Research Literacies, replaced by HUMN 4003 Writing Beyond the Academy: Knowledge Translation and Public Audience Communication

Further information on recommended progression is available on the Postgraduate Health Science progression page.

Postgraduate Health Science Progression (https://www.westernsydney.edu.au/__data/assets/pdf_file/0011/1628291/Proposed_Progression_Postgraduate_Health_Science.pdf)

Master of Health Science (Digital Health) 2 year pathway

Students must complete 160 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
Special Focus Group and alternate subjects		
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.		40
Special Focus Group: Research		
HLTH 7015	Qualitative Research Methodology in Health	
AGEN 7005	Research Protocol Design and Practice	
HUMN 4001	Researcher Development 1: Reading ,Writing, and the Business of Research	
HUMN 4003	Writing Beyond the Academy: Knowledge Translation and Public Audience Communication	

Special Focus: Innovation and Entrepreneurship

BUSM 7028	Entrepreneurial Management Capabilities
BUSM 7040	Governance, Ethics and Social Entrepreneurship
BUSM 7048	Innovation, Creativity and Foresight
BUSM 7046	Innovation for New Markets
BUSM 7045	Innovation Through Digital Technology
BUSM 7072	New Venture Finance

Alternate subjects

POLI 7002	Translation from Theory and Research to Policy
REHA 7027	Research into Practice: bridging the clinician-researcher divide in applied and creative therapies
BUSM 7027	Employment Relations Professional Practice
BUSM 7043	Industrial Relations and Workplace Change
BUSM 7081	Reward Management
BUSM 7087	Strategic Employment Relations
ACCT 7015	Financial Reports for Decision Making
BUSM 7024	Developing Human Capital and Organisational Capability
BUSM 7025	Diversity, Labour Markets and Workforce Planning
BUSM 7045	Innovation Through Digital Technology
BUSM 7040	Governance, Ethics and Social Entrepreneurship
BUSM 7072	New Venture Finance
BUSM 7028	Entrepreneurial Management Capabilities
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
PUBH 7020	Policy, Power and Politics in Health Care Provision
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
PUBH 7004	Communicable Diseases
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
HLTH 7028	Professional Project in Health 2

Total Credit Points	**160**

Replaced Subjects

The units listed below count towards completion of this major for students who passed these subjects in 2019 or earlier.

HUMN 4009 - Research Design 1: Theories of Enquiry

HUMN 4012 - Research Literacies, replaced by HUMN 4003 Writing Beyond the Academy: Knowledge Translation and Public Audience Communication

HUMN 4001 Researcher Development 1: Reading ,Writing, and the Business of Research

Further information on recommended progression is available on the Postgraduate Health Science progression page.

Postgraduate Health Science Progression (https://www.westernsydney.edu.au/__data/assets/pdf_file/0011/1628291/Proposed_Progression_Postgraduate_Health_Science.pdf)

Related Programs

Master of Data Science (3735) (https://hbook.westernsydney.edu.au/archives/2021-2022/programs/master-data-science/)

Master of Health Science (4698) (https://hbook.westernsydney.edu.au/archives/2021-2022/programs/master-health-science/)