HEALTH INFORMATICS, TESTAMUR MAJOR (T007)

Western Sydney University Major Code: T007

Previous Code: ST3091.1

Available to students in other Western Sydney University programs?
No

The widespread adoption of ICT solutions within the health sector and related developments such as electronic health records and health systems interoperability have created a need for ICT professionals who understand their context and are well equipped to operate within it. This major is aimed at developing knowledge and skills in theoretical concepts and practical technologies needed to design and develop complex software applications across a range of eHealth settings. Students with these knowledge and skills will have greater prospects of finding employment with major healthcare providers or building their career as self-employed developers.

Major Structure

Master of Information and Communications Technology and Master of Information and Communications Technology (Advanced)

Students in Master of Information and Communications Technology and Master of Information and Communications Technology (Advanced) complete the following

Subject	Title	Credit Points
Students must complete the following three subjects:		
PUBH 7001	Advanced Health Classifications and Coding	10
INFS 7001	Advanced Healthcare Data Environments	10
INFS 7002	Advanced Healthcare Software and Systems	10
Select one of the following:		10
COMP 7016	Visualisation	
MATH 7016	The Nature of Data	
Total Credit Points		**40**

Master of Data Science

Students in Master of Data Science complete the following

Subject	Title	Credit Points
PUBH 7001	Advanced Health Classifications and Coding	10
INFS 7001	Advanced Healthcare Data Environments	10
INFS 7002	Advanced Healthcare Software and Systems	10
INFS 7007	Systems Analysis and Database Management Systems	10
Total Credit Points		**40**

Master of Information and Communications Technology/Master of Data Science

Subject	Title	Credit Points
PUBH 7001	Advanced Health Classifications and Coding	10
INFS 7001	Advanced Healthcare Data Environments	10
INFS 7002	Advanced Healthcare Software and Systems	10

COMP 7004	Cloud Computing	10
Total Credit Points		**40**

Bachelor of Information Systems and Bachelor of Information Systems (Advanced)

Students enrolled in the Bachelor of Information Systems and the Bachelor of Information Systems (Advanced) must complete 80 credit points as follows

Subject	Title	Credit Points
PUBH 2004	Clinical Classification and Coding	10
INFS 2001	Database Design and Development	10
HLTH 2007	Fundamentals of Medical Concepts and Terminology	10
INFS 3010	Healthcare Data Environments	10
INFS 3011	Healthcare Software and Systems	10
INFO 3003	Human-Computer Interaction	10
INFS 2004	Introduction to Health Informatics	10
INFS 1006	Systems Analysis and Design	10
Total Credit Points		**80**

Bachelor of Information and Communications Technology and Bachelor of Information and Communications Technology (Advanced)

Students enrolled in the Bachelor of Information and Communications Technology and the Bachelor of Information and Communications Technology (Advanced) must complete 80 credit points as follows

Subject	Title	Credit Points
PUBH 2004	Clinical Classification and Coding	10
INFS 3002	Advanced Clinical Classification	10
HLTH 2007	Fundamentals of Medical Concepts and Terminology	10
INFS 3010	Healthcare Data Environments	10
INFS 3011	Healthcare Software and Systems	10
COMP 2025	Introduction to Data Science	10
INFS 2004	Introduction to Health Informatics	10
INFS 3001	Activity Based Funding/Casemix and Data Quality	10
Total Credit Points		**80**

Equivalent Subjects

The subjects listed below count towards completion of this program for students who passed these subjects in 2021 or earlier.

MATH 2009 (https://hbook.westernsydney.edu.au/archives/2023-2024/search/?P=MATH%202009) Introduction to Data Science is replaced by COMP 2025 (https://hbook.westernsydney.edu.au/archives/2023-2024/search/?P=COMP%202025) Introduction to Data Science

Bachelor of Data Science

Students enrolled in the Bachelor of Data Science must complete 80 credit points as follows

Subject	Title	Credit Points
PUBH 2004	Clinical Classification and Coding	10
INFS 3002	Advanced Clinical Classification	10

HLTH 2007	Fundamentals of Medical Concepts and Terminology	10
INFS 3010	Healthcare Data Environments	10
INFS 3011	Healthcare Software and Systems	10
MATH 2011	Making Sense of Data	10
INFS 2004	Introduction to Health Informatics	10
INFS 3001	Activity Based Funding/Casemix and Data Quality	10
Total Credit Points		**80**

Related Programs

Bachelor of Information and Communications Technology (3639) (https://hbook.westernsydney.edu.au/archives/2023-2024/programs/bachelor-information-communications-technology/)

Bachelor of Information and Communications Technology (Advanced) (3684) (https://hbook.westernsydney.edu.au/archives/2023-2024/programs/bachelor-information-communications-technology-advanced/)

Master of Data Science (3735) (https://hbook.westernsydney.edu.au/archives/2023-2024/programs/master-data-science/)

Master of Information and Communications Technology/Master of Data Science (3780) (https://hbook.westernsydney.edu.au/archives/2023-2024/programs/master-information-communications-technologymaster-data-science/)

Master of Information and Communications Technology (3699) (https://hbook.westernsydney.edu.au/archives/2023-2024/programs/master-information-communications-technology/)

Master of Information and Communications Technology (Advanced) (3698) (https://hbook.westernsydney.edu.au/archives/2023-2024/programs/master-information-communications-technology-advanced/)