

# BACHELOR OF INFORMATION AND COMMUNICATIONS TECHNOLOGY (HEALTH INFORMATION MANAGEMENT) (3711)

**Approved Abbreviation:** BICT(HIM)

**Western Sydney University Program Code:** 3711

**AQF Level:** 7

**CRICOS Code:** 110874A

This program applies to students who commenced in 2021 or later.

For commencement year 2015, please refer to: 3711.1 Bachelor of Information and Communications Technology (Health Information Management) (<http://handbook.westernsydney.edu.au/hbook/course.aspx?course=3711.1>)

The increasing use of electronic health records requires the accurate and efficient capture, maintenance, security and reporting of health information. This program will provide students with the knowledge and skills required to build software systems and undertake roles relating to the classification, coding and management of health information within a healthcare setting.

With direct industry experience through 140 hours of work placement, the program offers students the opportunity to seek employment in health information management and/or clinical coding, recognised as workforce skills shortage areas. Specific content areas addressed include Health Informatics, Systems Analysis and Design, Medical Terminology, Database Design and Development, Healthcare Data Environments, Clinical Classification and Coding, Programming, Web Development, Computer Networking, Health Service Management, Activity Based Funding and Data Quality and Healthcare Software and Systems.

## Study Mode

Three years full-time. Six years part-time.

## Program Advice

[CDMS@westernsydney.edu.au](mailto:CDMS@westernsydney.edu.au)

Prospective students should visit the following websites for general enquiries about this program.

Enquire about this program (<https://enquiry.westernsydney.edu.au/courseenquiry/>) | Local Admission (<https://www.westernsydney.edu.au/future/>) | International Admission (<https://www.westernsydney.edu.au/international/home/apply/admissions/>) |

## Location

Campus	Attendance	Mode	Advice
Campbelltown Campus	Full Time	Multi Modal	See above
Parramatta Campus - Victoria Road	Full Time	Multi Modal	See above
Penrith Campus	Full Time	Multi Modal	See above

## Accreditation

The Bachelor of Information and Communications Technology (Health Information Management) is accredited with the Australian Computer Society (ACS) at Professional level. Accreditation with the Health Information Management Association of Australia (HIMAA) is currently being sought. Successful certification will see graduates eligible for professional accreditation status with both bodies.

## Work Integrated Learning

Western Sydney University seeks to enhance student learning experiences by enabling students to engage in the culture, expectations and practices of their profession or discipline. This program includes a placement or other community-based unpaid practical experience.

There is a mandatory work component required for completion of this program. Please contact the Program Advisor listed above for information.

International students should also refer to the link below for more information and a link to the Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS).

Work Integrated Learning (WIL) for international students ([https://www.westernsydney.edu.au/currentstudents/current\\_students/services\\_and\\_facilities/international\\_student\\_support/working\\_in\\_australia/work\\_integrated\\_learning/](https://www.westernsydney.edu.au/currentstudents/current_students/services_and_facilities/international_student_support/working_in_australia/work_integrated_learning/))

## Admission

Applicants may be regarded as eligible for admission if they have completed the NSW HSC and attained the required ATAR (Australian Tertiary Admission Rank), or have completed other equivalent qualifications such as a recognised Diploma or Advanced Diploma.

Recognition of prior learning may be considered for applicants with Certificate III or Certificate IV in conjunction with relevant industry experience

Applications from Australian and New Zealand citizens and holders of permanent resident visas may be made via the Universities Admissions Centre (UAC) or directly through the Western Portal. Use the links below to apply via UAC or Western Sydney University. Applications made directly to Western Sydney do not have an application fee.

<http://www.uac.edu.au/>

<https://westernsydney.uac.edu.au/ws/>

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to the University should also use the information provided on the UAC website.

International students currently completing an Australian Year 12 in or outside Australia, an International Baccalaureate in Australia or a New Zealand National Certificate of Educational Achievement (NCEA) level 3 must apply via UAC International.

<http://www.uac.edu.au/>

All other International applicants must apply directly to the University via the International Office.

International students applying to the University through the International Office can find details of minimum English proficiency requirements and acceptable proof on their website.

International Office (<http://www.westernsydney.edu.au/international/>)

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and Western Sydney University.

## Program Structure

Qualification for this award requires the successful completion of 240 credit points which include the subjects listed in the recommended sequence below.

## Recommended Sequence

Course	Title	Credit Points
<b>Year 1</b>		
<b>Autumn session</b>		
COMP 1005	Programming Fundamentals	10
COMM 1026	Principles of Professional Communication 1	10
INFS 1006	Systems Analysis and Design	10
BUSM 1037	Health Administration and Management	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
COMP 2004	Computer Networking	10
COMP 2015	Programming Techniques	10
INFS 2001	Database Design and Development	10
INFS 2004	Introduction to Health Informatics	10
<b>Credit Points</b>		<b>40</b>
<b>Year 2</b>		
<b>Autumn session</b>		
COMP 2020	Technologies for Web Applications	10
MATH 1028	Statistical Decision Making	10
INFO 3003	Human-Computer Interaction	10
HLTH 2007	Fundamentals of Medical Concepts and Terminology	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
INFS 3017	Web Systems Development	10
COMP 3020	Social Web Analytics	10
INFS 3010	Healthcare Data Environments	10
COMP 2025	Introduction to Data Science	10
<b>Credit Points</b>		<b>40</b>
<b>Year 3</b>		
<b>Autumn session</b>		
INFO 3008	Professional Development	10
PUBH 2004	Clinical Classification and Coding	10
COMP 3007	Computer Networks and Internets	10
BUSM 2044	Health Service Management	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
COMP 3018	Professional Experience	10
INFS 3002	Advanced Clinical Classification	10
INFS 3001	Activity Based Funding/Casemix and Data Quality	10
INFS 3011	Healthcare Software and Systems	10
<b>Credit Points</b>		<b>40</b>
<b>Total Credit Points</b>		<b>240</b>

## Equivalent Subjects

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

MATH 2009 Introduction to Data Science, replaced by COMP 2025 Introduction to Data Science

## Program Structure

This sequence applies to students who commenced in Autumn 2023. If you commenced prior to 2023 please refer to the Sequence 2022 tab for details.

Qualification for this award requires the successful completion of 240 credit points which include the subjects listed in the recommended sequence below.

## Recommended Sequence

Course	Title	Credit Points
<b>Year 1</b>		
<b>Autumn session</b>		
COMP 1005	Programming Fundamentals	10
INFO 1003	Professional Practice, Communication and Ethics	10
BUSM 1037	Health Administration and Management	10
INFS 2004	Introduction to Health Informatics	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
COMP 2015	Programming Techniques	10
COMP 2021	Software Engineering Fundamentals	10
INFS 2001	Database Design and Development	10
COMP 2004	Computer Networking	10
<b>Credit Points</b>		<b>40</b>
<b>Year 2</b>		
<b>Autumn session</b>		
HUMN 1013	Contextualising Indigenous Australia (Day Mode)	10
HLTH 2007	Fundamentals of Medical Concepts and Terminology	10
MATH 1038	Mathematics for Computing	10
MATH 1030	Statistics for Business	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
COMP 3028	Software Construction	10
INFS 3011	Healthcare Software and Systems	10
INFS 3010	Healthcare Data Environments	10
INFO 3019	Project Management	10
<b>Credit Points</b>		<b>40</b>
<b>Year 3</b>		
<b>Autumn session</b>		
COMP 2027	Cyber Security	10
COMP 3012	Introduction to Cloud Computing	10
PUBH 2004	Clinical Classification and Coding	10
BUSM 2044	Health Service Management	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
INFS 3002	Advanced Clinical Classification	10
INFS 3001	Activity Based Funding/Casemix and Data Quality	10

COMP 2025	Introduction to Data Science	10
COMP 3018	Professional Experience	10
<b>Credit Points</b>		<b>40</b>
<b>Total Credit Points</b>		<b>240</b>

COMP 2025	Introduction to Data Science	10
COMP 3018	Professional Experience	10
<b>Credit Points</b>		<b>40</b>
<b>Total Credit Points</b>		<b>240</b>

This sequence applies to students who commenced in Spring 2023.

If you commenced in Autumn 2023 please refer to the Autumn 2023 Sequence tab for details. If you commenced prior to 2023 please refer to the Sequence 2022 tab for details.

Qualification for this award requires the successful completion of 240 credit points which include the subjects listed in the recommended sequence below.

Course	Title	Credit Points
<b>Year 1</b>		
<b>Autumn session</b>		
COMP 1005	Programming Fundamentals	10
INFO 1003	Professional Practice, Communication and Ethics	10
BUSM 1037	Health Administration and Management	10
INFS 2004	Introduction to Health Informatics	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
COMP 2015	Programming Techniques	10
COMP 2021	Software Engineering Fundamentals	10
INFS 2001	Database Design and Development	10
COMP 2004	Computer Networking	10
<b>Credit Points</b>		<b>40</b>
<b>Year 2</b>		
<b>Autumn session</b>		
HUMN 1013	Contextualising Indigenous Australia (Day Mode)	10
HLTH 2007	Fundamentals of Medical Concepts and Terminology	10
MATH 1030	Statistics for Business	10
Select one of the following		10
MATH 1038	Mathematics for Computing	
MATH 1006	Discrete Mathematics	
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
COMP 3028	Software Construction	10
INFS 3011	Healthcare Software and Systems	10
INFS 3010	Healthcare Data Environments	10
INFO 3019	Project Management	10
<b>Credit Points</b>		<b>40</b>
<b>Year 3</b>		
<b>Autumn session</b>		
COMP 2027	Cyber Security	10
COMP 3012	Introduction to Cloud Computing	10
PUBH 2004	Clinical Classification and Coding	10
BUSM 2044	Health Service Management	10
<b>Credit Points</b>		<b>40</b>
<b>Spring session</b>		
INFS 3002	Advanced Clinical Classification	10
INFS 3001	Activity Based Funding/Casemix and Data Quality	10