

# 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:** 088187A

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 and the Bachelor of Information Communications Technology (Health Information Management) 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, this 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.

## Program Advice

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