



# Bachelor of Information Systems

Program Code: 3979

## Program and Course Terminology

| Terminology  | Definition   |
|--|--|
| <b>Disciplinary Component</b>                      | Students must complete 120 Units of Credit (UOC) (20 courses) in Business Core Courses, Information Systems Core Courses, Prescribed Information Systems Electives and Work Integrated Learning to satisfy the core requirements of the program. |
| <b>Integrated First Year Business Core Courses</b> | Students must complete 30 UOC (5 courses) of Integrated First Year Business Core Courses.  |
| <b>Information Systems Core Courses</b>            | Students must complete 72 UOC (12 courses) of Information Systems Core Courses.  |
| <b>Level 2 and 3 Information Systems Electives</b> | Students must complete 12 UOC (2 courses) of Level 2 and 3 Prescribed Information Systems Electives.   |
| <b>Work Integrated Learning</b>                    | Students must complete 6 UOC (1 course) of Work Integrated Learning Course.  |
| <b>Free Electives</b>                              | Students must complete 12 UOC (2 courses) of Free Electives. These courses can be offered by any faculty but cannot be GEN coded.  |
| <b>General Education</b>                           | Students must complete 12 UOC (2 courses) of General Education. Students enrolled in programs within the UNSW Business School cannot take General Education courses offered by the UNSW Business School (i.e. GENC code).                        |
| <b>Overall Program UOC</b>                         | Students must complete a minimum of 144 UOC (24 courses) across the Disciplinary Component, Free Electives and General Education to fulfil program requirements.   |

## Recognition of Prior Learning (RPL)

Students admitted to the Bachelor of Information Systems (BIS) who have completed one of the following TAFE qualifications under the following TAFE Information and Communications Technology ICT are eligible for credit transfer.

- ICT60220      Advanced Diploma of Information Technology (Cyber Security)
- ICT50220      Diploma of Information Technology – including the following specialisations:
  - Advanced Networking, Cloud Architecture
  - Business Analysis
  - Database and Data Management
  - Telecommunications Network Engineering

*Students who have completed an Advanced Diploma (AQF Level 6) will be offered credit of up to 48 UOC (i.e. up to 8 courses), within the BIS program. This credit will be for:*

1. Information Systems Level 2 Prescribed Elective (12 UOC)
2. General Education (12 UOC)
3. Free Electives (12 UOC)
4. [COMM1120 Collaboration and Innovation in Business](#) (6 UOC)
5. [INFS1701 Networking and Security](#) (6 UOC) – *only applicable to students who have completed the Advanced Diploma of Information Technology (Cyber Security). Refer to next page for TAFE electives required to receive RPL for this subject*

*Students who have completed a Diploma (AQF Level 5) will be offered credit of up to 30 UOC (i.e. up to 5 courses), within the BIS program. This credit will be for:*

1. Information Systems Level 2 Prescribed Elective (6 UOC)
2. General Education (12 UOC)
3. [COMM1120 Collaboration and Innovation in Business](#) (6 UOC)
4. [INFS1603 Introduction to Business Databases](#) (6 UOC) - *only applicable to students who have completed the Diploma of Information Technology in the Database and Data Management specialisations. Refer to Page 3 for TAFE electives required to receive credit for this subject*

5. [INFS1701 Networking and Security](#) (6 UOC) – *only applicable to students who have completed the Diploma of Information Technology in the Advanced Networking, Cloud Architecture and Business Analysis specialisations. Refer to Page 4 for TAFE electives required to receive credit for this subject*

### **Additional Submission**

Students entering the BIS through a TAFE Pathway will need to make submissions similar to the BISAS application. The overall aim of submission is to gauge the commitment of the students to the entire duration of the program. The submission will include:

- A personal statement responding to 4 questions, similar to BISAS
- TAFE certificate (instead of HSC)
- A video submission, similar to BISAS

### **Assumed Knowledge**

The BIS requires 'Assumed Knowledge' of Mathematics Advanced. This is considered equivalent to HSC 2 Unit Mathematics.

#### Scenario One:

Students demonstrate competency through previous study, e.g. HSC transcripts, or TAFE Essential Mathematics for Higher Education Course (Course Code 800-000548), or other equivalent study. In this scenario, no further requirements to access TAFE pathway into BIS.

#### Scenario Two:

Students unable to demonstrate competency through previous study. TAFE pathway can still be accessed into BIS. These students undertake a mandatory Advanced Mathematics academic support program designed by the Pro Vice-Chancellor Education and Student Experience Portfolio in collaboration with the School of Information Systems and Technology Management to provide the required knowledge and skills for achieving success throughout the BIS program.

## TAFE Unit Equivalence for INFS1603 Introduction to Business Databases

*Credit for INFS1603 will only be given to students who have completed the following electives below in the relevant specialisation*

| Diploma of Information Technology (Database and Data Management) |  |          |
|--|--|----------|
| Code   | Title  | Status   |
| ICTPRG431  | Apply query language in relational databases | Elective |
| ICTDBS506  | Design databases                             | Elective |
| ICTDBS507  | Integrate databases with websites            | Elective |

## TAFE Unit Equivalence for INFS1701 Networking and Security

*Credit for INFS1701 will only be given to students who have completed the following electives below in the relevant specialisation*

| Advanced Diploma of Information Technology (Cyber Security) |   |          |
|---|---|----------|
| Code  | Title                                   | Status   |
| ICTNWK618   | Design and implement a security system  | Elective |
| ICTCYS608   | Perform cyber security risk assessments | Elective |

| Diploma of Information Technology (no specialisation) |   |          |
|---|---|----------|
| Code  | Title   | Status   |
| ICTNWK559   | Install an enterprise virtual computing environment | Elective |

| Diploma of Information Technology (Advanced Networking, Cloud Architecture) |   |          |
|---|---|----------|
| Code  | Title                                   | Status   |
| ICTNWK618   | Design and implement a security system  | Elective |
| ICTCYS608   | Perform cyber security risk assessments | Elective |
| ICTNWK546   | Manage network security                 | Elective |

| Diploma of Information Technology (Business Analysis) |   |          |
|---|---|----------|
| Code  | Title   | Status   |
| ICTNWK529   | Install and manage complex ICT networks                                 | Elective |
| ICTSAD507   | Design and implement quality assurance processes for business solutions | Elective |

| Diploma of Information Technology (Telecommunications Network Engineering) |  |          |
|--|--|----------|
| Code   | Title  | Status   |
| ICTNPL413  | Evaluate networking regulations and legislations for the telecommunications industry | Elective |
| ICTNWK423  | Manage network and data integrity  | Elective |

## Term 1 2023 Commencing Students

TAFE Advanced Diploma of Information Technology (Cyber Security)

Eligible RPL: Up to 48 UOC

*Please note this is an example study plan to be used as a reference only. Offering terms may be subject to change, refer to the handbook and individual enrolment instructions provided by UNSW.*

|        | Term 1  | Term 2  | Term 3  |
|--------|---|---|---|
| Year 1 | <b>COMM1100</b><br>Business Decision Making       | <b>COMM1190</b><br>Data, Insights and Decisions       | <b>INFS1602</b><br>Digital Transformation in Business             |
|        | <b>COMM1110</b><br>Evidence-Based Problem Solving | <b>INFS1603</b><br>Introduction to Business Databases | <b>INFS2603</b><br>Business Analysis and Agile Product Management |
|        | <b>COMM1140</b><br>Financial Management*          |   | <b>INFS2701</b><br>Cyber Security Management and Governance       |

|        | Term 1   | Term 2  | Term 3   |
|--------|--|---|--|
| Year 2 | <b>INFS2608</b><br>Database Management & Big Data Infrastructures  | <b>INFS3604</b><br>Business Process Management            | <b>INFS2822</b><br>Programming for Data Analytics                    |
|        | <b>INFS3605</b><br>Information Systems Innovation & Transformation | <b>INFS3703</b><br>Information Systems Project Management | <b>INFS3700</b><br>User Experience & IT Service Design               |
|        |  | <b>Work Integrated Learning</b>                           | <b>INFS3701</b><br>Enterprise Architect for Scalable Cloud Solutions |

\*Students can choose to complete COMM1140 or COMM1150 Collaboration and Innovation in Business.

## Term 1 2023 Commencing Students

TAFE Diploma of Information Technology, including the following specialisations:

- Advanced Networking, Cloud Architecture
- Business Analysis
- Telecommunications Network Engineering

Eligible RPL: Up to 30 UOC

*Please note this is an example study plan to be used as a reference only. Offering terms may be subject to change, refer to the handbook and individual enrolment instructions provided by UNSW.*

|        | Term 1   | Term 2  | Term 3   |
|--------|--|---|--|
| Year 2 | <b>INFS2608</b><br>Database Management & Big Data Infrastructures  | <b>INFS3604</b><br>Business Process Management            | <b>INFS2822</b><br>Programming for Data Analytics                    |
|        | <b>INFS3605</b><br>Information Systems Innovation & Transformation | <b>INFS3703</b><br>Information Systems Project Management | <b>INFS3700</b><br>User Experience & IT Service Design               |
|        | Information Systems Elective                                       |   | <b>INFS3701</b><br>Enterprise Architect for Scalable Cloud Solutions |

|        | Term 1  | Term 2  | Term 3  |
|--------|---|---|---|
| Year 1 | <b>COMM1100</b><br>Business Decision Making       | <b>COMM1190</b><br>Data, Insights and Decisions       | <b>INFS1602</b><br>Digital Transformation in Business             |
|        | <b>COMM1110</b><br>Evidence-Based Problem Solving | <b>INFS1603</b><br>Introduction to Business Databases | <b>INFS2603</b><br>Business Analysis and Agile Product Management |
|        | <b>COMM1140</b><br>Financial Management*          |   | <b>INFS2701</b><br>Cyber Security Management and Governance       |

|        | Term 1                          | Term 2 | Term 3 |
|--------|---------------------------------|--------|--------|
| Year 3 | Information Systems Core Course |        |        |
|        | Free Elective                   |        |        |
|        | Work Integrated Learning        |        |        |

# Bachelor of Information Systems

3979

## Term 1 2023 Commencing Students

TAFE Diploma of Information Technology in the following specialisation:

- Database and Data Management

Eligible RPL: Up to 30 UOC

*Please note this is an example study plan to be used as a reference only. Offering terms may be subject to change, refer to the handbook and individual enrolment instructions provided by UNSW.*

|        | Term 1  | Term 2  | Term 3  |
|--------|---|---|---|
| Year 1 | <b>COMM1100</b><br>Business Decision Making       | <b>COMM1190</b><br>Data, Insights and Decisions | <b>INFS1602</b><br>Digital Transformation in Business             |
|        | <b>COMM1110</b><br>Evidence-Based Problem Solving | Free Elective                                   | <b>INFS1701</b><br>Networking and Security                        |
|        | <b>COMM1140</b><br>Financial Management*          |   | <b>INFS2603</b><br>Business Analysis and Agile Product Management |

|        | Term 1  | Term 2  | Term 3   |
|--------|---|---|--|
| Year 2 | <b>INFS2608</b><br>Database Management & Big Data Infrastructures | <b>INFS3604</b><br>Business Process Management            | <b>INFS2822</b><br>Programming for Data Analytics                    |
|        | <b>INFS2701</b><br>Cyber Security Management and Governance       | <b>INFS3703</b><br>Information Systems Project Management | <b>INFS3700</b><br>User Experience & IT Service Design               |
|        | Information Systems Elective                                      |   | <b>INFS3701</b><br>Enterprise Architect for Scalable Cloud Solutions |

|        | Term 1   | Term 2 | Term 3 |
|--------|--|--------|--------|
| Year 3 | <b>INFS3605</b><br>Information Systems Innovation & Transformation |        |        |
|        | Free Elective  |        |        |
|        | Work Integrated Learning   |        |        |