Overview

The Graduate Diploma in Information Technology is a 1.5-year program intended for:

- students with no or minimal prior computing background who wish to obtain a qualification in this discipline; or
- students with a bachelor degree in a relevant discipline who want to obtain a broader understanding of computing; or
- students with a bachelor degree in computer science or computer engineering who wish to specialise in some particular areas of the discipline.

The aim of this program is to provide students with a broad-based IT education, and more specialised knowledge in up to two areas, enabling them to work in a range of positions in the IT industry.

It is similar in scope to CSE's undergraduate BSc (Computer Science) program, while still allowing for a variable mix between breadth and depth amongst sub-fields.
Faculty
Faculty of Engineering

Campus
Kensington

Study Level
Postgraduate

Typical duration
1.7 Years

Delivery Mode
Face-to-face

Intake Period
Term 1, Term 2, Term 3

Academic Calendar
3+ Calendar

Minimum Units of Credit
72

Award type
Graduate Diploma

Award(s)
Graduate Diploma - GradDip

CRICOS Code
061293K
Program Structure

Students must complete 72 UOC as a standalone program.

Core Courses

Students must take 24 UOC of the following courses.

COMP9021  |  6 UOC
Principles of Programming

COMP9024  |  6 UOC
Data Structures and Algorithms

COMP9311  |  6 UOC
Database Systems

COMP9331  |  6 UOC
Computer Networks and Applications

Prescribed Electives

Students must take 48 UOC of the following courses.
Note: With approval of program authority, students may choose up to two Level 4 or higher elective courses outside of the School of Computer Science and Engineering.

any level 4 Computer Science course

any level 6 Computer Science course

any level 9 Computer Science course

Advanced Disciplinary Knowledge (ADK) Requirement

Students must complete a minimum of 18 UOC of the following courses.

COMP4121  |  6 UOC
Advanced and Parallel Algorithms
<table>
<thead>
<tr>
<th>Course Code</th>
<th>UOC</th>
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<tbody>
<tr>
<td>COMP4161</td>
<td>6</td>
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<tr>
<td>Advanced Topics in Software Verification</td>
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<tr>
<td>COMP4418</td>
<td>6</td>
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<tr>
<td>Knowledge Representation and Reasoning</td>
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<tr>
<td>COMP6714</td>
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<tr>
<td>Information Retrieval and Web Search</td>
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<tr>
<td>COMP9153</td>
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<tr>
<td>Algorithmic Verification</td>
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<tr>
<td>COMP9242</td>
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<tr>
<td>Advanced Operating Systems</td>
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<tr>
<td>COMP9243</td>
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<tr>
<td>Distributed Systems</td>
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<td>COMP9315</td>
<td>6</td>
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<tr>
<td>Database Systems Implementation</td>
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<tr>
<td>COMP9318</td>
<td>6</td>
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<tr>
<td>Data Warehousing and Data Mining</td>
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<tr>
<td>COMP9319</td>
<td>6</td>
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<tr>
<td>Web Data Compression and Search</td>
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<tr>
<td>COMP9323</td>
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<tr>
<td>Software as a Service Project</td>
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<tr>
<td>COMP9334</td>
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<tr>
<td>Capacity Planning of Computer Systems and Networks</td>
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<tr>
<td>COMP9336</td>
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</tbody>
</table>
Enrolment Disclaimer

Unless advised otherwise by your program authority, you should follow the rules for the handbook for the year you commenced your program. You are also responsible for ensuring you enrol in courses according to your program requirements. myUNSW enrolment checks that you have met enrolment requirements such as pre-requisites for individual courses but not that a course will count towards your program requirements.
Admission Requirements

Entry Requirements

Enrolment in this program requires one of the following:

- a three year undergraduate degree equivalent to a standard Australian bachelor degree in a discipline containing mathematics up to year two level, and a minimum 65% average.
- completion of the 7543 UNSW Graduate Certificate in Computing, and a minimum 65% average or no fails.

Note: A discipline containing "mathematics up to year two level" would mean that applicants need to have an appropriate background in several of the following areas:

- Discrete Maths
- Linear Algebra
- Engineering Maths
- Calculus
- Statistics
- Probability
- Actuarial Maths
- Numerical Methods
- Vector Algebra

For more information about admission requirements for various UNSW programs, visit the following website(s):

Domestic Students
International Student
Program Requirements

Recognition of Prior Learning

Advanced standing is possible in up to 50% of the program.

Students can seek advanced standing in the following courses only:

- COMP9020 Foundations of Comp. Science (6 UOC)
- COMP9021 Principles of Programming (6 UOC)
- COMP9024 Data Structures & Algorithms (6 UOC)
- COMP9032 Microprocessors & Interfacing (6 UOC)
- COMP9311 Database Systems (6 UOC)
- COMP9331 Computer Networks & Applications (6 UOC)
- COMP9414 Artificial Intelligence (6 UOC)

Students wishing to apply for Advanced standing should consult the CSE Postgraduate Advanced Standing, Exemption, Substitution website.

Progression Requirements

On completion of the Graduate Diploma in IT, students can either graduate from the Graduate Diploma or apply to articulate to the Masters program (8543. Full credit may be granted). Students should pay careful attention when selecting their courses to ensure that they align with the program for the major of their preference.

For more information on university policy on progression requirements please visit Academic Progression.
Pathways

Articulation Arrangements

Other program(s) within articulated suite:

Graduate Certificate - GradCert 7543 Computing

Faculty: Faculty of Engineering
Campus: Kensington
Units of Credit: 24
Typical Duration: 0.7 Years

Read More

Master of Information Technology - MIT 8543 Information Technology

Faculty: Faculty of Engineering
Campus: Kensington
Units of Credit: 96
Typical Duration: 2 Years

Read More
**Program Fees**

At UNSW fees are generally charged at course level and therefore dependent upon individual enrolment and other factors such as student's residency status. For generic information on fees and additional expenses of UNSW programs, click on one of the following:

- Domestic Students
- Commonwealth Supported Students
- International Students
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions