Overview

With this dual degree program, students can add a Science program to the standard, professionally accredited BSc in Computer Science program offered by the School of Computer Science and Engineering. All Science majors within program 3970 are available.

Students who meet the entry requirements for the BSc in Computer Science program 3778 and for the Bachelor of Science program 3970 may apply to enter the combined Bachelor of Science Bachelor of Science (Computer Science) program.

Students should schedule the Science and Computer Science components to suit their preferences while meeting constraints of timetables and prerequisites. The Science Faculty section in this Handbook describes the Science options and the School of Computer Science and Engineering Student Office can supply sample programs indicating what previous students have arranged.

In addition to the BSc in Computer Science program 3778, students must complete a minimum of 96 units of credit in Science courses, including a major sequence in an approved area. The Science office must approve the Science component while the School of Computer Science and Engineering will approve the final program and schedule.
Faculty of Science
Faculty of Engineering

Campus
Kensington

Study Level
Undergraduate

Typical duration
4 Years

Intake Period
Term 1, Term 3

Academic Calendar
3+ Calendar

Minimum Units of Credit
192

Award(s)
Bachelor of Science - BSc
Bachelor of Science - BSc

UAC Code
425800

CRICOS Code
048749C
Learning Outcomes

3970 - Science

1. Ethical, social and professional understanding including the ability to critically reflect upon broad ethical principles and codes of conduct in order to behave consistently with a personal respect and commitment to ethical practice and social responsibility, multicultural, cultural and personal diversity.

   Professionals    Global Citizens

2. Teamwork, collaborative and management skills including the ability to recognise opportunities and contribute positively to collaborative scientific research, and to demonstrate a capacity for self management, teamwork, leadership and decision making based on open-mindedness, objectivity and reasoned analysis in order to achieve common goals and further the learning of themselves and others.

   Leaders    Scholars

3. Information literacy including the ability to make appropriate and effective use of information and information technology relevant to their discipline.

   Scholars

4. Effective and appropriate communication in both professional (intra and inter disciplinary) and social (local and international) contexts.

   Scholars

5. Research, enquiry and analytical thinking abilities including the ability to construct new concepts or create new understanding through the process of enquiry, critical analysis, problem solving and research.

   Global Citizens   Scholars   Leaders

6. Capability and motivation for intellectual development; including capacity for creativity, critical evaluation, entrepreneurship and demonstrating a commitment to their own learning, motivated by curiosity and an appreciation of the value of learning.

   Professionals    Scholars

Graduate Capabilities:

For more information on Graduate Capabilities, please click on this link.
Stand Alone Programs

Click on the link below to find out more about each individual program.

**Program 3970**
Science

**Program 3778**
Computer Science
# Double Degree Structure

Students must complete 192 UOC.

1. An approved Bachelor of Science major; and
2. Science elective courses
3. Computer Science courses

## Majors

3970 - Science

Students must complete at least one Science major selected from the list below. Students should declare their major prior to commencing Stage 2 courses.

### Notes:

1. Students in 4076 Science/Education can only choose from the following majors: Biology, Chemistry, Ecology, Geography, Mathematics for Education, Pathology, Physics, Physiology. All other majors in 3970 are not permitted.
2. Students are not permitted to take the Bioinformatics major BIINFB1 when taking the degree in dual award mode with the Bachelor of Engineering (Bioinformatics) program.

### MAJOR:

- **ANATA1** | 72 UOC
  Anatomy

- **BINFB1** | 96 UOC
  Bioinformatics

- **BIOCC1** | 90 UOC
  Genetics

- **BIOMC1** | 84 UOC
  Molecular and Cell Biology

- **BIOSG1** | 78 UOC
  Ecology
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<tr>
<td>VISNA1</td>
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</table>

**Minors**

3970 - Science

Students may choose to complete an optional minor in one of the following areas, using their Science and/or free electives. Please note that students in 4076 Science Education are NOT permitted to declare a minor.

**MINOR:**
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</table>
PHSLB2 | 48 UOC
Physiology

PHYS2 | 48 UOC
Physics

PSYCM2 | 36 UOC
Psychology

VISNB2 | 36 UOC
Vision Science

**Majors**

3778 - Computer Science

COMPA1 is the default stream, and will be used if no other stream is selected.

**MAJOR:**

COMPA1 | 96 UOC
Computer Science

COMPD1 | 96 UOC
Computer Science (Database Systems)

COMPE1 | 96 UOC
Computer Science (eCommerce Systems)

COMPI1 | 96 UOC
Computer Science (Artificial Intelligence)

COMPJ1 | 96 UOC
Computer Science (Programming Languages)

COMPN1 | 96 UOC
Computer Science (Computer Networks)
Level 2 Maturity Requirements

3970 - Science

Students must have completed 30 UOC before taking any of the following courses.

any level 2 course

Level 3 Maturity Requirements

3970 - Science

Students must have completed 72 UOC before taking any of the following courses.

any level 3 course

any level 6 course

Minimum Science UOC

3970 - Science

Students must complete a minimum of 96 UOC of the following courses.

any Anatomy course

any Computer Science course

any Food Technology course

any course offered by Faculty of Science

any Neuroscience course
any Pathology course

any Pharmacology course

any Physiology course

**Level 1 Science UOC**

3970 - Science

Students must complete a minimum of 24 UOC of the following courses.

any level 1 course offered by Faculty of Science

**Maximum Level 1 UOC**

3970 - Science

A maximum of 72 UOC of Level 1 courses can be taken, including any General Education or mainstream Level 1 course taken to fulfil either the General Education or the Free Elective requirement.

any level 1 course

**Maximum Level 1 Electives UOC**

3778 - Computer Science

Students may only undertake a maximum of 60 UOC of the following courses.

any level 1 course

**COMP Course Rule**

3789 - Science / Computer Science

Students in the Bachelor of Science/Bachelor of Science (Computer Science) dual degree may not count 'COMP courses towards their Science requirements unless they are specified as core courses in their major (i.e. for these students 'COMP courses will not count as 'Science' courses).
Double Counting

3970 - Science

Students cannot complete a minor with the same name as their nominated major, and Level II and III courses cannot be double-counted between majors and minors. More than one minor may be completed subject to the limit on double-counting. Students must declare their minor(s) before their final term.

Please read the Double Degree Program rules as some specific rules apply to particular Double Degree combinations.

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.
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)