



Program

Computer Science

3778 | 144 Units of Credit

Overview

Computer Science involves the study of the design, construction and uses of computer systems. It is concerned with the representation of data and data structures in computer systems and the design of algorithms for automatic manipulation of this information by programming languages and machine systems. It is very much concerned with the design and development of hardware and software tools by which computer applications may be developed, but not so much with the applications themselves. It is, however, noted that non-computing elements (such as human interface or psychological aspects) can often dictate the level of success of computing systems. At UNSW, particular emphasis is given to comprehension of the basic principles behind computing tools, operating systems, compilers and translators, and computer hardware.

Further details on the program requirements, electives, and advice regarding the order and placement of courses in the program can be found at: [Courses-Programs](#)

Faculty

Faculty of Engineering

Campus

Kensington

Study Level

Undergraduate

Typical duration

3 Years

Delivery Mode

Face-to-face

Intake Period

Term 1, Term 2, Term 3

Academic Calendar

3+ Calendar

Minimum Units of Credit

144

Award type

Bachelors Pass

Award(s)

Bachelor of Science -
BSc

UAC Code

425800

CRICOS Code

015784F

Program Structure

Students must complete 144 UOC as a standalone program.

1. Complete a 96 UOC CS major stream
2. 36 UOC of Free Electives - students can also choose to undertake an optional minor or a combination of an optional minor and Free Electives to fulfil this requirement
3. 12 UOC of General Education

Majors

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)

COMPS1 | 96 UOC
Computer Science (Embedded Systems)

COMPY1 | 96 UOC

Computer Science (Security Engineering)

Optional Minor

Completion of a minor is optional.

MINOR:

ACCTB2 | 30 UOC

Accounting

FINSA2 | 30 UOC

Finance

INFSA2 | 30 UOC

Information Systems

MARKA2 | 30 UOC

Marketing

MATHC2 | 36 UOC

Mathematics

PSYCM2 | 36 UOC

Psychology

Free Electives

Students must take 36 UOC of any course.

any course

General Education

Students must take 12 UOC of any General Education course.

any General Education course

Maximum Level 1 Electives UOC

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

[any level 1 course](#)

General Education Maturity Requirement

Students must have completed 48 UOC before taking any of the following courses.

[any General Education course](#)

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.

Related Programs

Related Double Degree Programs

Bachelor of Economics - **BEC**

Bachelor of Science - **BSc**

3673 Economics / Computer Science

Faculty: UNSW Business School, Faculty of Engineering

Campus: Kensington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Bachelor of Actuarial Studies - **BActSt**

Bachelor of Science - **BSc**

3674 Actuarial Studies / Computer Science

Faculty: UNSW Business School, Faculty of Engineering

Campus: Kensington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Bachelor of Science (Advanced Mathematics) (Honours) - **BSc(AdvMath)(Hons)**

Bachelor of Science - **BSc**

3781 Advanced Mathematics (Honours) / Computer Science

Faculty: Faculty of Science, Faculty of Engineering

Campus: Kensington

Units of Credit: 240

Typical Duration: 5 Years

[Read More](#)

Bachelor of Advanced Science (Honours) - **BAdvSci(Hons)**

Bachelor of Science - **BSc**

3782 Advanced Science (Honours) / Computer Science

Faculty: Faculty of Science, Faculty of Engineering

Campus: Kensington

Units of Credit: 240

Typical Duration: 5 Years

[Read More](#)

Bachelor of Science - **BSc**

Bachelor of Arts - **BA**

3783 Computer Science / Arts

Faculty: Faculty of Engineering, Faculty of Arts and Social Sciences

Campus: Kensington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Bachelor of Commerce - **BCom**

Bachelor of Science - **BSc**

3784 Commerce / Computer Science

Faculty: UNSW Business School, Faculty of Engineering

Campus: Kensington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Bachelor of Engineering (Honours) - **BE (Hons)**

Bachelor of Science - **BSc**

3785 Engineering (Honours) / Computer Science

Faculty: Faculty of Engineering

Campus: Kensington

Units of Credit: 240

Typical Duration: 5 Years

[Read More](#)

Bachelor of Science - **BSc**

Bachelor of Laws - **LLB**

3786 Computer Science / Law

Faculty: Faculty of Law, Faculty of Engineering

Campus: Kensington

Units of Credit: 240

Typical Duration: 5 Years

[Read More](#)

Bachelor of Science - **BSc**

Bachelor of Science - **BSc**

3789 Science / Computer Science

Faculty: Faculty of Engineering, Faculty of Science

Campus: Kensington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Bachelor of Science - **BSc**

Bachelor of Media Arts - **BMA**

3791 Computer Science / Media Arts

Faculty: Faculty of Engineering, Faculty of Art & Design

Campus: Kensington, Paddington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Related Programs

Bachelor of Engineering (Honours) - **BE (Hons)**

3707 Engineering (Honours)

Faculty: Faculty of Engineering

Campus: Kensington

Units of Credit: 192

Typical Duration: 4 Years

[Read More](#)

Program Requirements

Progression Requirements

Students must show cause not to be excluded from the program if they have any of the following:

- 3 fails in any given core course
- after 72UOC of the program has been attempted, more than half of the courses attempted have been failed

For more information on university policy on progression requirements please visit [Academic Progression](#).

Pathways

Honours Programs

Bachelor of Science (Honours) - **BSc (Hons)**

4515 Computer Science & Engineering (Honours)

Faculty: Faculty of Engineering

Campus: Kensington

Units of Credit: 48

Typical Duration: 1 Years

[Read More](#)

Post Graduate

Master of Information Technology - **MIT**

8543 Information Technology

Faculty: Faculty of Engineering

Campus: Kensington

Units of Credit: 96

Typical Duration: 2 Years

[Read More](#)

Professional Outcomes

Accreditations

Professional institutes that offer accreditation on completion of this program:

- Australian Computer Society

This degree is accredited by the Australian Computer Society (2016).

Career Opportunities

Software engineer/developer, consultant, chief technology officer, database developer, game programmer, systems analyst, systems engineer.

Recognition of Achievement

University Medal

The University Medal is awarded to recognise outstanding academic performance by a bachelor degree student in line with the University Medal Policy and University Medal Procedure.

Award of Pass with Distinction

The Award of Pass with Distinction is awarded when a weighted average mark (WAM) of at least 75% has been achieved and at least 50% of the requirements of the award completed at UNSW. All eligible programs will award Pass with Distinction except in special circumstances where approval of Academic Board has been given for a program to opt out.

For more information, please visit:

[Current Students Pass With Distinction](#)

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](#)

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Authorised by Deputy Vice-Chancellor (Academic)

CRICOS Provider Code 00098G

ABN: 57 195 873 179