

Bachelor of Computer Science

These Program Rules should be read in conjunction with the University's policies (<http://www.adelaide.edu.au/policies>).

1 General

There shall be a degree and an Honours degree of Bachelor of Computer Science. A candidate may obtain either degree or both.

2 Duration of program

The program of study for the Bachelor degree shall extend over three years of full-time study or the equivalent part-time study.

3 Assessment and examinations

3.1 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.2 In determining a candidate's final result in a course (or part of a course) the examiners may take into account oral, written, practical and other work, provided that the candidate has been given adequate notice at the commencement of the teaching of the course of the way in which such work will be taken into account and of its relative importance in the final result.

3.3 There shall be four classifications of pass in the final assessment of any course for the Bachelor degree, as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.

3.4 A candidate who fails a course for the Bachelor degree and who desires to take that course again shall, unless exempted wholly or partially there from by the Head of the School concerned, again complete the required work in that course to the satisfaction of the teaching staff concerned.

3.5 A candidate who has twice failed any course for the Bachelor degree may not enrol for that course again or for any other course which in the opinion of the Faculty contains a substantial amount of the same material, except by permission of the Faculty and then only under such conditions as the Faculty may prescribe.

4 Qualification requirements

4.1 General: Bachelor of Computer Science

4.1.1 To qualify for the Bachelor degree a candidate shall present courses from 4.2 to the value of at least 72 units including:

- a at least 24 units for Level I courses
- b at least 18 units for Level II courses
- c at least 24 units for Level III courses

4.1.2 The courses presented must include:

- a COMP SCI 1102 Object Oriented Programming
COMP SCI 1103 Algorithm Design & Data Structures
- b At least one of the following:
COMP SCI 1003 Internet Computing
COMP SCI 1010 Puzzle Based Learning
COMP SCI 1012 Scientific Computing
- c At least one of the following:
MATHS 1008 Mathematics for Information Technology I
MATHS 1012 Mathematics IB
- d At least 12 units of Level II Computer Science courses. The courses must include:
COMP SCI 2000 Computer Systems
COMP SCI 2201 Algorithm and Data Structure Analysis
- e MATHS 3015 Communication Skills III
- f At least 18 units of Level III Computer Science courses. The courses must include:
COMP SCI 3006 Software Engineering & Project

Note (not forming part of the Academic Program Rules)

A graduate who qualifies for the Bachelor of Computer Science or Bachelor of Computer Science (Software Engineering) will be considered to have qualified for a major in Computer Science.

4.1.3 Students enrolled in an Engineering program offered by the Faculty may qualify for the B.Comp.Sc. by fulfilling the requirements of 4.1.5(a) of these Academic Program Rules.

Note (not forming part of the Academic Program Rules)

This clause enables Engineering students to complete the requirements of the B.Comp.Sc. degree before completing the requirements of the Bachelor of Engineering degree. Students wishing to qualify for the B.Comp.Sc. in this way must apply for admission to the B.Comp.Sc. program.

- 4.1.4 Except with the permission of the Faculty, a candidate may not enrol in courses to the value of more than 18 units taught by Disciplines other than Applied Mathematics, Pure Mathematics, Statistics and Computer Science before presenting:

COMP SCI 1103 Algorithm Design & Data Structures

and either

MATHS 1008 Mathematics for Information Technology I

or

MATHS 1011 Mathematics IA

with

MATHS 1013 Mathematics IM

or

MATHS 1012 Mathematics IB

with

MATHS 1011 Mathematics IA

The courses to the value of not more than 18 units shall not include courses in which a candidate has failed or courses from which a candidate has withdrawn.

- 4.1.5 A graduate who wishes to qualify for the degree of Bachelor of Computer Science and to count towards that degree courses that have already been presented for another award may do so providing such a candidate:

a presents a range of courses that fulfil the requirements of 4.1.1 and 4.1.2 above, except for the requirements of 4.1.2b. The courses presented must include Level II and Level III courses from 4.2 below to the value of at least 24 units, which have not been presented for any other degree. At least 18 units of the new courses must be at Level III

or

b presents a range of courses as determined by the Faculty in accordance with any formal articulation programs approved by the Faculty. COMP SCI 2202 Foundations of Computer Science may be presented only with written permission by the Faculty.

- 4.1.6 No candidate will be permitted to count for the degree any course together with any other course which, in the opinion of the Faculty, contains a substantial amount of the same material; and no course may be counted twice towards the same degree. No candidate may present the same section of a course in more than one course for the degree.

- 4.1.7 Students who have completed at another institution part of the equivalent of the requirements for the Adelaide degree of Bachelor of Computer Science will be required as a minimum to complete Level III courses from 4.2 with an aggregate units value of 24 satisfying the requirements of 4.1.2(e) and 4.1.2(f).

- 4.1.8 With special permission of the Faculty, a student who has completed most of the courses for the degree of Bachelor of Computer Science at the University of Adelaide including Level III Computer Science courses with an aggregate units value of 12 may be permitted to complete the requirements for the degree at another institution. All applications must be made in writing to the Faculty.

4.2 Program of study for the degree of Bachelor of Computer Science

Note: Students are advised that some courses cannot be presented or counted with other courses towards the degree of Bachelor of Computer Science. Students are advised to check their chosen electives with the Faculty Program Adviser.

Notwithstanding the Academic Program Rules and syllabuses published in this volume, a number of the courses listed in the program leading to the degree of B.Comp.Sc. may not be offered in every calendar year. The availability of all courses is conditional upon the availability of staff and facilities.

4.2.1 Level I

Courses offered at Level I towards a degree program at the University of Adelaide and approved by the Faculty Program Adviser.

4.2.2 Level II

Courses offered at Level II towards a degree program at the University of Adelaide and approved by the Faculty Program Adviser.

4.2.3 Level III

Courses offered at Level III towards a degree program at the University of Adelaide and approved by the Faculty Program Adviser.

4.3 The Honours degree of Bachelor of Computer Science

To be eligible to be admitted to an Honours degree program, a candidate shall complete the requirements for a Bachelor degree or equivalent to a standard that is acceptable to the Faculty for the purpose of admission to the Honours degree.

A candidate who satisfies the requirements for Honours shall be awarded the Honours degree, but the Faculty shall decide within which of the following classes and divisions the degree shall be awarded:

- 1 First Class
- 2A Second Class div A
- 2B Second Class div B
- 3 Third Class
- NAH Not awarded.

4.3.1 The Honours degree of Bachelor of Computer Science

4.3.1.1 A candidate may, subject to the approval of the Faculty, proceed to the Honours degree in one of the following courses, each with the value of 24 units:

APP MTH 4011 A/B Honours Applied Mathematics and Computer Science

COMP SCI 4999 A/B Honours Computer Science

PURE MTH 4004 A/B Honours Computer Science & Pure Mathematics

STATS 4003A/B Honours Statistics & Computer Science

4.3.1.2 The work of the Honours Program must be completed in one year of full-time study, save that the Faculty may permit a candidate to spread the work over two years, but no more, under such conditions as it may determine.

4.3.1.3 A candidate may not enrol a second time for the Honours program in Computer Science if he/she:

a has already qualified for Honours in that program

or

b has presented himself/herself for examination in the Honours program in that course but has failed to obtain Honours

or

c has withdrawn from the program unless the Faculty under 4.3.1.4 permits re-enrolment.

4.3.1.4 If a candidate is unable to complete the program for the Honours degree within the time allowed, or if a candidate's work is unsatisfactory at any stage of the program, or if a candidate withdraws from the program, such fact shall be reported to Faculty. The Faculty may permit the candidate to re-enrol for an Honours degree under such conditions (if any) as it may determine.

4.4 Graduation

Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award.

5 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.