GRIFFITH UNIVERSITY

Thursday 11 June 2026 at 11:11 pm AEST

Course Summary

Course code: 1811ICT

Course title: Programming Principles

Study level: Undergraduate

Study period: Trimester 2, 2026

Mode: In Person

Location: Brisbane City (South Bank)

School: School of Information and Communication Technology

Credit Points (awarded): 10

Student Contribution Band: Band 2: Further information is available at www.griffith.edu.au/students/enrolment-timetables-fees/paying-your-fees/student-contribution-amount

Course Overview

Programming is a foundational skill for all computing disciplines. This course develops skills and concepts that are essential to good programming practice and problem solving. It covers fundamental programming concepts, object-oriented programming, basic data structures, and algorithmic processes.

Incompatibilities:
Must not have completed 2807ICT Programming Principles,

Usually available

- Brisbane City (South Bank) Trimester 1
- Brisbane City (South Bank) Trimester 2
- Brisbane South (Nathan) Trimester 1
- Brisbane South (Nathan) Trimester 2
- Gold Coast Trimester 1
- Gold Coast Trimester 2
- Online Trimester 1
- Online Trimester 2

Key dates

13 July 2026
Start Date

26 July 2026
Last date to add course

10 August 2026
Last date to drop course without financial penalty (Census date)

13 September 2026
Last date to drop course without academic failure

Classes

Trimester 2, 2026

If your class is full, please view Full Class information at www.griffith.edu.au/students/enrolment-timetables-fees/managing-your-enrolment/full-class-information

Seminar

Class	Availability	When	Where	Notes
You must enrol in this Seminar				
Seminar (44406)	Open	Thursday 17:00 - 19:50 Week 1 - 4, 5 - 12	S02 3.13 Webb Centre Brisbane City (South Bank)	

Assessment

Summary

Test or quiz (2) | Exam (1) | Mandatory pass (1)

Assessment name	Type	Weighting	Due date
Quiz 1	Test or quiz	15%	21/08/2026 11:59 pm Online

This assessment item:
- Mark Type: Score

Specific Learning Outcomes:

1: Read and use programming language and system documentation

2: Use programming tools (editors, Integrated Development Environments).

3: Solve problems by implementing and debugging programs that use expressions and control structures.

4: Solve problems by implementing programs that use files and functions.

Quiz 2	Test or quiz	15%	25/09/2026 11:59 pm Online

This assessment item:
- Mark Type: Score

Specific Learning Outcomes:

1: Read and use programming language and system documentation

2: Use programming tools (editors, Integrated Development Environments).

3: Solve problems by implementing and debugging programs that use expressions and control structures.

4: Solve problems by implementing programs that use files and functions.

5: Solve problems by implementing programs that use data structures and searching algorithms.

Final exam	Exam - constructed response	70%	End of Trimester Exam Period 15/10/2026 - 24/10/2026 Online, proctorU

This assessment item:
- Online (ProctorU)
- Has a mandatory pass component
- Requires submission to pass this course
- Requires a minimum percentage mark to pass this course
- Mark Type: Score

Mandatory Pass Component:
To pass this course, students must achieve a passing grade, and:
achieve a minimum percentage mark of 40

The exam timetable will be published on myGriffith as the exam period approaches.

Specific Learning Outcomes:

1: Read and use programming language and system documentation

3: Solve problems by implementing and debugging programs that use expressions and control structures.

4: Solve problems by implementing programs that use files and functions.

5: Solve problems by implementing programs that use data structures and searching algorithms.

6: Solve problems by developing object-oriented programs using classes and inheritance.

7: Solve problems requiring the use of external libraries.

Supplementary Assessment is available in this course

If you are not sure which week we are in, check out the academic calendar at www.griffith.edu.au/academic-calendar-key-dates

Learning Outcomes

After successfully completing this course you should be able to:
1: Read and use programming language and system documentation
2: Use programming tools (editors, Integrated Development Environments).
3: Solve problems by implementing and debugging programs that use expressions and control structures.
4: Solve problems by implementing programs that use files and functions.
5: Solve problems by implementing programs that use data structures and searching algorithms.
6: Solve problems by developing object-oriented programs using classes and inheritance.
7: Solve problems requiring the use of external libraries.

Assurance of Learning

1. A broad and coherent body of knowledge in the area of computer science and computer programming.

2. Cognitive skills to review critically, analyse, consolidate and synthesise knowledge in the area of computer science.

3. An ability to apply knowledge and understanding of a widely deployed, general purpose programming language to create robust and non-trivial computer programs that solve specific problems on a variety of platforms.

Australian Computer Society (ACS) Accreditation Course Status

1. ACS Core Body of Knowledge Mappings: Bloom's Levels

Programming (3 – Apply)

2.SFIA8 Skill: Programming/Software Development. Level 3

Designs, codes, verifies, tests, documents, amends and refactors moderately complex programs/scripts. Applies agreed standards and tools to achieve a well-engineered result. Monitors and reports on progress. Identifies issues related to software development activities. Proposes practical solutions to resolve issues. Collaborates in reviews of work with others as appropriate.

3. ACS Complex Computing Characteristics

The course assignment contains problem(s) with the following complex computing characteristics:

- A solution requires the use of in-depth computing or domain knowledge and an analytical approach that is based on

well-founded principles;

- Is a high-level problem possibly including many component parts or sub-problems; and

- Identification of a requirement or the cause of a problem is ill-defined or unknown.

Course Contacts

Trimester 2 2026, Brisbane City (South Bank), In Person

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Important information

The published online version of the Course Profile is the authoritative version and by the publication of the Course Profile online, the University deems the student has been notified of and read the course requirements. Assessment is subject to change up until the Start Date of the course. Please recheck the website for updates.

Disclaimer:

This document has been auto-generated, please refer to the website (https://my.griffith.edu.au/programs-courses) for current and up to date information.