

Note: You will need your Class Reference Numbers (CRNs) or Block Codes to enrol. You will find these in the timetable below.

## C4-BD36 Certificate IV in Programming ICT40518

**Timetable: Semester 2, 2021 – STAGE 1** Please read all notes on the timetable before enrolling.

### Enrolment instructions:

An enrolment instructional video may be found at the following link; [https://cit.edu.au/courses/professional/information\\_technology/C4-BD35](https://cit.edu.au/courses/professional/information_technology/C4-BD35) under the heading ICT Enrolment Information. Choose from either “new students”, or “current students (students with existing CIT number)”. These videos are generic and will provide instructions on how to enrol into classes for Semester 2 2021. **However, please read all the notes below as there is important information relating to recommended classes for all students. Students commencing at Certificate IV level for the first time must submit an application for the Certificate IV in Programming for Semester 2 2021, via CIT self-service, prior to choosing classes.**

### Program Changes for 2022

The Certificate IV in Information Technology Networking is being offered with the existing program structure until the end of 2021. A new Training Package is being introduced in Semester 1 2022. This will mean changes from the existing program’s completion requirements to the requirements of a new program, for students that are not completing the current Certificate IV in Semester 2 2021. If you are a full-time student seeking to complete the Certificate IV in Semester 2 2021 or a continuing part-time student seeking to enrol and complete all of your remaining subjects in Semester 2 2021, you are able to do so under the existing program structure and should choose units according to the current program structure consisting of all units on the timetable.

The following advice is aimed at students who are not seeking to complete the Certificate IV in Semester 2 2021;

### NEW AND CONTINUING STUDENTS THAT SEEK TO REMAIN IN THE CERTIFICATE III IN 2022;

Program structures are changing in 2022, and there will be a number of changes to Certificate IV programs. If you are commencing your studies this semester, or you intend to continue studying the Certificate IV in 2022, we advise to choose from the classes indicated below.

Stage 1 (new and continuing students)	Stage 2 (continuing students only)
<b>Introduction to Databases</b> <b>Programming Basics</b> <b>Java 1</b> <b>Copyright, Ethics and Privacy</b>	<b>Project Analysis</b> <b>Using SQL</b> <b>C++</b>
May be undertaken under Cert IV in Information Technology (Applications Stream) only. <b>Introduction to HTML &amp; CSS</b>	May be undertaken under Cert IV in Information Technology (Applications Stream) only. <b>Introduction to HTML &amp; CSS</b>
<b>Programming Concepts</b> (Will become a core unit for all streams) This class is currently available under the Certificate III in Digital Media, Information and Technology, and may be undertaken this semester under the Certificate III program only. Completion will transfer to the new Certificate IV package.	<b>Programming Concepts</b> (Will become a core unit for all streams) This class is currently available under the Certificate III in Digital Media, Information and Technology, and may be undertaken this semester under the Certificate III program only. Completion will transfer to the new Certificate IV package.

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Competency Clusters	Description (Competencies delivered)	Class times	Enrolment Block Codes/CRNs
Introduction to Databases	<ul style="list-style-type: none"> <li>INFT 641 Create basic databases (ICTDBS403)</li> <li>INFT 779 Apply query language (ICTPRG402)</li> </ul>	WED 0900-1200 Room: D137	INTRODB-A
		FRI 1300-1600 Room: D137	INTRODB-D
		THU 1800-2100 Room: D137	INTRODB-N
Programming Basics	<ul style="list-style-type: none"> <li>INFT 449 Automate processes (ICTPRG405)</li> <li>INFT 784 Build a user interface (ICTPRG410)</li> </ul>	TUE 0900 - 1200 Room: D137	PROGBAS-D
		WED 1800-2100 Room: D137	PROGBAS-N
		FRI 0900 - 1200 Room: D137	Backup Only
Java 1	<ul style="list-style-type: none"> <li>INFT 1031 Apply introductory object-oriented language skills (ICTPRG406)</li> <li>INFT 781 Test applications (ICTPRG404)</li> </ul>	TUE 1800 – 2100 Room: D137	JAVA1-N
		THU 0900 - 1200 Room: D137	JAVA1-D
		WED 1400 - 1700 Room: D137	JAVA1-A
Copyright, Ethics and Privacy	<ul style="list-style-type: none"> <li>INFT 707 Contribute to copyright, ethics and privacy in an IT environment (ICTICT418)</li> </ul>	Online	73999
Technical Documentation <b>Term 3</b>	<ul style="list-style-type: none"> <li>INFT 461 Create technical documentation (ICTICT408)</li> </ul>	Online With optional OL Tute TUE 1600-1700 Term 3	73830

All tutorials are optional for standard students, international students are required to attend all sessions

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## Stages and Semesters

Certificate IV programs operate in two stages outlining a standard full-time study program undertaken over 12 months. All students enrol into classes on a semester basis. Each stage corresponds to a semester of study. Students undertaking their first semester of study in the program should be choosing from Stage 1 classes only, students undertaking their second semester of study should be choosing from Stage 2 classes providing successful completion of Stage 1. Subjects in Stage 2 assume students have completed and understand concepts delivered in Stage 1.

## Competencies and Clusters:

Some classes deliver training across several competencies due to a close relation in content. The ICT refers to classes as Clusters, that may include one or more competencies. When choosing a class time in a cluster with several competencies, you are enrolling for every competency listed in that cluster. Students should choose only one corresponding class time for each cluster by entering the CRN or Block code corresponding to each class time.

## Full-time Students:

Full-time students are normally able to complete the Certificate IV in Information Technology Networking over two semesters (1 year). However, as the program will be changing next year, a greater study load may be required in Semester 2 2022, or alternatively completion may be achieved over 18 months.

## Part-time Students:

Part-time students may choose to any number of classes (note that some competencies are delivered together in the one class and must be undertaken at the same time). The number of classes undertaken will determine the length of study required to complete the program. Part time students should concentrate on completing all subjects from Stage 1 before undertaking Stage 2 classes or seek advice from ICT staff. **However, the training package is changing next year, which will mean changes to the program structure. *If you are seeking to continue studies in at Certificate IV level in 2021, see information on elearn in the ICT Student Lounge.***

## FLEX: Flexible delivery – [https://cit.edu.au/study/flexible\\_learning](https://cit.edu.au/study/flexible_learning)

JAVA 1, Introduction to Databases, and Programming Basics are available via flexible delivery. To enrol into flexible study please make an appointment at the relevant flexible learning campus. Students need to select crn's relevant to their chosen primary flexible study campus (Reid, Tuggeranong or Gungahlin), choose the crn's for one flexible campus only. Flexible delivery classes are self-paced and require students to complete in 20 weeks or 10 weeks from their nominated start date (choose date on or **before** 10/07/2021). Students may enrol into flex classes at any time. All students enrolling for flexible study are urged to make an appointment.

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## C4-BD36 Certificate IV in Programming ICT40518 Timetable

### Semester 2, 2021 - STAGE 2

Competency Clusters	Description (Competencies delivered)	Class times	Enrolment Block Codes/CRNs
Project Analysis	<ul style="list-style-type: none"> <li>INFT 376 Determine and confirm client business requirements (ICTICT401)</li> <li>INFT 765 Support small scale IT projects (ICTPMG401)</li> <li>INFT 165 Develop and present feasibility reports (ICTSAD401)</li> </ul>	TUE 0900-1200 D136	NEEDSAN-D
		THU 1800-2100 D136	NEEDSAN-N
Software Analysis	<ul style="list-style-type: none"> <li>INFT 786 Analyse software requirements (ICTPRG419)</li> <li>INFT 377 Apply software development methodologies (ICTICT403)</li> </ul>	TUE 1400-1700 D124	SOFTAN-D
		Mixed Mode	SOFTAN-O
Using SQL	<ul style="list-style-type: none"> <li>INFT 267 Use structured query language (ICTPRG425A)</li> </ul>	THU 0900-1200 Room: D136	73844
		Mixed Mode	73845
C++	<ul style="list-style-type: none"> <li>INFT 447 Apply introductory programming skills in another language (ICTPRG414)</li> <li>INFT 172 Apply skills in object-oriented design (ICTPRG415)</li> </ul>	WED 1400-1700 Room: D108	INTPROG-D
		Mixed Mode	INTPROG-O
Java 2	<ul style="list-style-type: none"> <li>INFT 456 Apply intermediate object-oriented language skills (ICTPRG527)</li> <li>INFT 780 Develop data-driven applications (ICTPRG403)</li> </ul>	Mixed Mode	JAVA2-O
		WED 1800-2100 D136	JAVA2-D

Mixed Mode delivery provides an online learning environment set to semester dates with identify assessment due dates. Certain assessments will require on campus attendance.

### Term and Semester Dates 2021

Semester 1		Semester 2	
Term 1	Monday, 08 February 2021 - Thursday, 1 April 2021	Term 3	Monday, 26 July 2021 - Friday, 24 September 2021
Term 2	Monday, 19 April 2021 - Friday, 18 June 2021	Term 4	Monday, 11 October 2021 - Friday, 03 December 2021

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