

BE AMBITIOUS



DIPLOMA OF SOFTWARE DEVELOPMENT



NATIONAL CODE: ICT50718
INFORMATION TECHNOLOGY SECTION
HORNSBY COLLEGE OF TAFE

COURSE DESCRIPTION:

Learn various aspects of software development from ICT business strategy to analyse, design, implement, test, and manage emerging information communication technologies. Develop strong technical and problem-solving skills that go beyond programming to understand and meet client requirements with an ICT solution that fits with the organisation's ICT and business goals.

COURSE OUTCOMES:

Successful graduates of this course will be suitable for careers as a junior/assistant programmers, application developers, and junior analyst-programmers. Graduates of this course are also eligible for University into most undergraduate Information Technology Degree courses.

ENTRY REQUIREMENTS:

You are ready to enrol in this course if you have successfully completed the Certificate IV in Programming or equivalent.

Equivalent skills include:

- Programming experience in C#
- Programming experience in JavaScript, React Native
- DB Design/SQL experience
- OO Analysis & Design using UML.

LOCATION AND DELIVERY

Location: Hornsby TAFE NSW, 205 Peats Ferry Road, Hornsby NSW 2077

Full-Time Day: 6 months 21 hrs/week

Part-Time Day: 12 months 9 hrs/week

Part-Time Eve: 12 months 9 hrs/week

Note: You will be required to spend an equivalent amount of time on course work outside of class.

Registration and payment are required to confirm your place.

CONTACT US TODAY!

ENROL NOW OR
REGISTER YOUR INTEREST

or for more information-

Contact Ms Chaitali Samani

Phone: 9472 13921 or 131 601

Web: <http://infotech.hornsby.tafensw.edu.au>

Email: chaitali.samani@tafensw.edu.au



TAFE NSW SYDNEY REGION RTO 90003.
This document is correct at the time of printing:
October 2020. *Terms and conditions may apply.



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COURSE STRUCTURE:

This course requires 16 units of competency. Units delivered are:

ICTICT517	Match ICT needs with the strategic direction of the organisation
ICTPRG403	Apply software development methodologies
ICTICT509	Gather data to identify business requirements
ICTPMG501	Manage ICT projects
ICTPRG502	Manage a project using software management tools
ICTICT418	Contribute to copyright, ethics and privacy in an ICT environment
ICTPRG418	Apply intermediate programming skills in another language
ICTPRG523	Apply advanced programming skills in another language
ICTPRG529	Apply testing techniques for software development
ICTPRG425	Use structured query language
ICTDBS502	Design a database
ICTPRG520	Validate an application design against specs
ICTPRG527	Apply intermediate object-oriented language skills
ICTPRG501	Apply advanced object-oriented language skills
ICTPRG503	Debug and monitor applications
ICTPRG504	Deploy an application to a production environment

Timetable: The timetable is published on our section website
<http://infotech.hornsby.tafensw.edu.au/ViewTimetable.aspx>

LEARNING SUBJECTS INCLUDE:

Data Design

Learn application of Structured Query Language (SQL) to manipulate data and data structures. Design, build and configure databases for specific business requirements.

Mobile Applications

Learn intermediate level skills in Mobile Programming using React Native, develop multi-touch application and integrate mobile app into a business application.

Cloud Applications

Develop Cloud-based applications for business solutions (using C#/ASP.NET on Azure App Service) and integrate the Cloud-based component into a business application.

Client-Server Applications

Learn programming skills in C#.NET. Build advanced user interfaces for complex IT systems. Apply testing techniques, build Object-Oriented applications using sophisticated software architectural pattern, debug and monitor application performance and learn how to validate an application design against the requirements and deploy to production environment.

IT Project Management

Analyse complex software requirements, design Object-Oriented system model using the UML and Project Manage medium to large-scale ICT projects.

FEES & OTHER INFORMATION

Fees: Fees are set by TAFE NSW and can be viewed at:
www.tafensw.edu.au/enrol/fees

This course is Government Subsidised
VET student loans are available for this course.

Career opportunities: Work as a Software Developer, Systems Analyst.

Course pathways: Completion of this certificate will provide you with the skills to apply for a University degree in Information Technology area.

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