

BE AMBITIOUS

DIPLOMA OF SOFTWARE DEVELOPMENT



NATIONAL CODE: **ICT50715**
INFORMATION TECHNOLOGY SECTION
HORNSBY COLLEGE OF TAFE

COURSE DESCRIPTION:

Learn how to lead the analysis, implementation and management of emerging information and communication technologies. Support organisational strategic goals, integrating these components into the business process.

COURSE OUTCOMES:

Completion of this diploma will provide you with the ability to apply for a university degree in information technology. Individual campuses will advise you of any credit towards the degree some campuses provide you with 1 year of exemptions.

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 Java
- 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 20 hrs/week
Part-time day: 12 months 10 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 **Peter Panagopoulos**

Phone: 9472 1392 or 131 601

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

Email: peter.panagopoulos@tafensw.edu.au

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COURSE STRUCTURE:

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

ICTICT403	Apply software development methodologies
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
ICTPRG604	Create cloud computing services
ICTPRG529	Apply testing techniques for software development
ICTSAD501	Model Data objects
ICTSAD502	Model Data Processes
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
ICTPRG505	Build advanced user interface
ICTPRG601	Develop advanced mobile multi-touch applications

Timetable: The timetable is published on our section website

<http://infotech.hornsby.tafensw.edu.au/ViewTimetable.aspx>

LEARNING SUBJECTS INCLUDE:

Data Modelling

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

Mobile Applications

Learn intermediate level skills in Mobile Programming on Android platform, develop multi-touch application and integrate mobile apps into a business application.

Cloud Applications

Develop Cloud-based applications for business solutions and integrate the Cloud-based component in 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, debug and monitor application performance and learn how to validate an application design against the requirements.

IT Project Management

Analyse complex software requirements, design Object-Oriented systems using the Unified Modelling Language (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:

<https://www.tafensw.edu.au/get-started-at-tafe-nsw/fees-information>

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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