



Diploma of Information Technology (Front & Back-End Web Development)

National Code: ICT50220-17V02

Course Description:

Learn how to create a website that combines great design and exceptional functionality. In this course, you will gain the specialised skills needed to plan, design, implement, test and maintain web applications as a professional web developer.

You will develop web applications using JavaScript, MongoDB, HTML, CSS, PHP and MySQL.

This course provides:

Learning Resources: Workbooks will be provided by teachers of all subjects.

Also available: Learner Support, Tutoring Support, Counselling, Library, & much more.

Course outcomes include:

Completion of this diploma will provide you with the ability to apply for jobs as a Web Developer. You can also use this diploma to apply for a University Degree in Information Technology area. Individual campuses will advise you of any credit towards the degree.

Entry Requirements:

To successfully complete this course, we recommend that you have:

- Completed Certificate IV in IT - Web Technologies or equivalent.
- A very good knowledge of HTML and CSS.
- Some Programming knowledge in PHP.
- Some Programming experience in JavaScript.
- Image creation and manipulation using industry standard tools.
- Web design principles.
- Above-average typing skills.
- Very good communication skills.
- Language, Literacy and Numeracy (LLN) skills at Level 4 (based on Australian Core Skills Framework).

LOCATION & MODE OF DELIVERY

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

Full-Time Day: 6 months, 20 hrs/week.
Delivered in face-to-face class mode.

Part-Time Day: 12 months, approx. 10 hrs/week. Delivered in **face-to-face** class mode.

Part-Time Evening: 12 months, 9 hrs/week. Delivered in **Connected Delivery (Virtual Campus)** class mode.

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

Enrolment through Application is required to confirm your place.

- Nationally Recognised Training
- This training is subsidised by the NSW Government [**Not a Free Course**]

CONTACT US FOR MORE INFORMATION

Contact: **Matthew Green**

Phone: **02 7920 0811** or **131 601**

Email: matthew.green98@tafensw.edu.au

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



83%

employer satisfaction

NSW employers are very satisfied with the quality of the nationally recognised training we deliver*



80%

of growth areas covered

TAFE NSW trains 8 of the 10 occupational categories with the greatest growth numbers over the next 5 years.^\



89%

graduate satisfaction

With overall quality of training at TAFE NSW#



87.7%

of graduates would recommend TAFE NSW

As a training provider – national VET average 90%#

COURSE STRUCTURE:

This course requires 20 (7 core & 13 elective) units of competency. Units delivered are:

- ICTICT532 Apply IP, ethics and privacy policies in ICT environments
- BSBXCS402 Promote workplace cyber security awareness and best practices
- BSBCRT512 Originate and develop concepts
- ICTICT517 Match ICT needs with the strategic direction of the organisation
- BSBXTW401 Lead and facilitate a team
- ICTSAS527 Manage client problems
- ICTICT530 Design user experience solutions
- ICTWEB519 Develop complex web page layouts
- ICTWEB520 Develop complex cascading style sheets
- ICTWEB522 Develop website information architecture
- ICTWEB513 Build a dynamic websites
- ICTWEB514 Create dynamic web pages
- ICTDBS507 Integrate databases with websites
- ICTWEB517 Create web-based programs
- ICTWEB518 Build a document using extensible markup language
- ICTPRG553 Create and develop REST APIs
- ICTPRG554 Manage data persistence using noSQL data stores
- ICTWEB527 Research and apply emerging web technology trends
- ICTICT523 Gather data to identify business requirements
- ICTWEB525 Implement quality assurance process for websites

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

Learning subjects include:

Data Link

- Create a REST API using Node JS and MongoDB.

Design Web Architecture

- Plan and design architecture for a business website.

Build a Website

- Develop a complex layout of a given business website.
- Design and build a web application according to business requirements.
- Create user-friendly web applications using advanced HTML and CSS techniques
- Create dynamic web pages using PHP.
- Create data-driven applications that access and manipulate data stored in a MySQL database.
- Build secure and robust web applications.

Database Design and SQL

- Use SQL to access and modify data stored in a database.
- Manage data persistence using NoSQL data stores.

Plan & Lead Project

- Prepare a plan for a business website using emerging web technologies.
- Learn & promote workplace cyber security awareness and best practices.
- Manage client problems through analysing and producing ICT needs for Strategic Direction of an organisation.
- Learn how to lead & facilitate a team of an ICT project.

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. [Not a Free Course].

Career opportunities: Work as a Web Designer or Web Developer.

Course pathways: Completion of this diploma will provide you with the ability to apply for a University Degree in Information Technology area. Some campuses provide you with 6 months of exemptions.

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ENROL NOW OR REGISTER YOUR INTEREST

www.tafensw.edu.au

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