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, HTML, CSS, PHP and MySQL.

This course provides:

Learning Resources: Workbooks will be provided by teachers of all subjects in the first session.

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

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, approx. 10 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.

CONTACT US FOR MORE INFORMATION

Contact: Peter Panagopoulos
Phone: 02 7920 5575 or 131 601
Email: peter.panagopoulos@tafensw.edu.au
Web: http://infotech.hornsby.tafensw.edu.au

- Nationally Recognised Training
- This training is subsidised by the NSW Government
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
- BSBKCS402 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 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-

Learning subjects include:

Plan Website
- Prepare a plan for a business website using emerging web technologies.

Design Web Architecture
- Plan and design architecture for a business website.

Build a Website
- Develop 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
- 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
- Learn & promote workplace cyber security awareness and best practices
- Manage client problems through analysing and producing ICT needs for Strategic Direction of an organization
- Learn how to lead & facilitate a team of an ICT project.

FEES & OTHER INFORMATION

Fees: This course is Fees for eligible people. For more info, please visit: www.tafensw.edu.au/enrol/fees

This course is Government Subsidized
VET Students Loan is available for this 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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