NSW GOVERNMENT | TAFE NSW

CERTIFICATE IV IN WEB-BASED TECHNOLOGIES

(Web Programming and Web Design)

NATIONAL CODE: **ICT40315**
INFORMATION TECHNOLOGY SECTION
HORNSBY COLLEGE OF TAFE

COURSE DESCRIPTION:

This course is best suited for people who would like to develop the skills and knowledge to **create engaging websites** using the latest web technologies. The course includes web design and web programming and is nationally accredited.

COURSE OUTCOMES:

Completion of this certificate will provide you with the skills to apply for the Diploma in Web Development, or to work as a web designer/developer in industry.

After completing the course you will be able to **design, create and maintain websites**. Including websites requiring web programming in **PHP** and **JavaScript**. You will be able to use Photoshop to design engaging layouts and create web pages in **HTML** and **CSS** based on requirements.

ENTRY REQUIREMENTS:

To successfully participate in this course, you will need to have completed a certificate 3 in information, digital media and technology or equivalent. The equivalent skills include:

- A very good knowledge of software applications such as word processing and spread sheets
- Very good communication skills
- Be familiar with web technologies including browsers and internet knowledge
- Above-average typing skills

LOCATION AND DELIVERY

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

Full-time day: 6 months, 18 hrs/week.

Part-time/flexible evening: 12 months, 9 hrs/week. Delivered as a combination of online and face-to-face classes.

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

Registration and payment are required to confirm your place.

CONTACT US TODAY!

ENROL NOW OR REGISTER YOUR INTEREST

or for more information-
Contact **Ariane Warnant**

Phone: 9472 1973 or 131 601
Web: http://infotech.hornsby.tafensw.edu.au
Email: ariane.warnant@tafensw.edu.au

COURSE STRUCTURE:

This course requires 22 units of competency. Units delivered are:

ICTWEB402	Confirm accessibility of websites for people with special needs
ICTWEB431	Create and style simple mark-up language document
ICTWEB410	Apply web authoring tool to convert client data for websites
ICTWEB413	Optimise search engines
ICTWEB429	Create a mark-up language document to specification
ICTWEB411	Produce basic client-side script for dynamic web pages
ICTWEB412	Produce interactive web animation
ICTDMT402	Produce interactive animation
ICTICT401	Determine and confirm client business requirements
ICTWEB425	Apply structured query language to extract and manipulate data
ICTWEB430	Produce server-side script for dynamic web pages
ICTDBS403	Create basic databases
ICTWEB421	Ensure website content meets technical protocols and standards
ICTDMT401	Create visual design components for digital media
ICTWEB414	Design simple web page layouts
ICTWEB401	Design a website to meet technical requirements
ICTICT418	Contribute to copyright, ethics and privacy in an IT environment
BSBWHS304	Participate effectively in WHS communication and consultative processes
ICTWEB403	Transfer content to a website using commercial packages
ICTWEB424	Evaluate and select a web hosting service
ICTWEB416	Customise content management system
ICTWEB417	Integrate social web technologies

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

LEARNING SUBJECTS INCLUDES:

Web Page Creation

- Create user-friendly and accessible websites using HTML and CSS.
- Optimise a website for better search engine rankings (SEO).
- Create responsive websites, accessible on a range of devices including mobile devices.

Web Programming

- Learn how to program in PHP and JavaScript
- Create data driven websites using MySQL databases

Web Page Design and Layout

- Design stylish website graphics using Photoshop
- Learn the principles of beautiful web design
- Create a working website to specification and standards
- Explore your obligations, both legal and moral, regarding copyright, ethics and privacy in websites.

Content Management Systems and Hosting

- What to look for when choosing a web hosting company
- Integrate social media with your website.
- Build and customise a WordPress site.

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

Career opportunities: Work as a web designer or web developer

Course pathways: Completion of this certificate will provide you with the skills to apply for the Diploma of Web Development course.

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TAFE NSW SYDNEY REGION RTO 90003.
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