



THE
**Northern
Sydney
Institute**
Part of **TAFE**^{NSW}

Diploma of IT – Website Development (National Code: ICT50615)

Hornsby Campus Information Technology

Is this course for me?

This course is best suited for people who would like to develop the skills and knowledge to build dynamic, user friendly, data-driven and secure web applications.

What skills are required before I enrol?

To successfully participate in the web development diploma you will need to have completed a **Certificate 4 in IT - Web Technologies or equivalent**. The equivalent skills include:

- A very good knowledge of HTML and CSS
- Programming experience
- JavaScript programming experience
- Image creation and manipulation in a package such as Photoshop
- Web design principles
- Above average typing skills
- Very good communication skills

We work at a fast pace in this course, in order to keep up learners need to obtain the above skills before they can start the diploma.

How long does this course take?

...and how much time do I need to put into it?

This course will take 18 weeks full-time or 36 weeks part-time. While you are studying you will need to spend some time outside of the classroom working on set work and assessments. This time will vary from week to week. Full-time study attendance is 18-20 hours/week with up to 20 hours of work outside of class. Flexible delivery is also available for students who need to complete the course in a combination of online and class attendance. Students enrolled in flexible delivery will be provided with all the course material online as well as access to teachers to assist with the course work.

What will I be able to do after the course?

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.

Graduates may undertake roles with responsibilities for site design, code development, site performance and testing, implementing web site security, database design and integration.

Other job opportunities include roles with responsibility for developing intranet solutions to internal business processes and systems, designing web architectures for businesses seeking to exploit new market opportunities and defining an organisation's web identity so that it aligns with their business strategy.

What costs are involved?

Fees are set by TAFE NSW and change each year. The fees can be viewed at-

<http://www.nsi.tafensw.edu.au/Courses/EnrollingAndRegistering/FeesAndFinancialAssistance/Default.aspx>

What will I learn?

Content covered in the Diploma	Course Units
Web security and environment <ul style="list-style-type: none"> ✓ How to build secure web applications ✓ How to test websites for security threats ✓ Work in a safe environment 	ICTWEB516 Research and apply emerging web technology trends ICTICT515 Verify client business requirements ICTPRG505 Build advanced user interface ICTDBS504 Integrate a database with a website ICTSAS503 Perform systems tests ICTPRG507 Implement security for applications BSBWHS501 Ensure a safe workplace ICTICT418 Contribute to copyright, ethics and privacy in an IT environment
Web programming <ul style="list-style-type: none"> ✓ Create user friendly web applications ✓ Create web applications in PHP and ASP.NET using C# ✓ Apply object oriented programming skills ✓ Produce data driven web applications ✓ Design and build web applications according to business requirements 	ICTPRG418 Apply intermediate programming skills in another language ICTWEB501 Build a dynamic website ICTWEB502 Create dynamic web pages ICTWEB503 Create web-based programs ICTPRG406 Apply introductory object-oriented language skills ICTPRG413 Use a library or pre-existing components
Database <ul style="list-style-type: none"> ✓ SQL ✓ Database design and creation 	ICTDBS412 Build a database ICTDBS502 Design a database ICTPRG425 Use structured query language
Web page creation and CMS <ul style="list-style-type: none"> ✓ Use HTML & CSS to create page layouts ✓ Customize content management systems 	ICTWEB505 Develop complex web page layouts ICTWEB506 Develop complex cascading style sheets ICTWEB507 Customise a complex IT content management system

How will I be assessed?

For each stream you will need to complete some projects and tests. The projects and tests are spread out over the length of the course. Each teacher will provide you with a semester schedule which lists the assessments and due dates.

What other resources do I need?

We recommend a portable USB hard drive with 500GB.

How do I enrol?

Visit <http://www.nsi.tafensw.edu.au/Courses/EnrollingAndRegistering/Default.aspx> (search for the Course Number **ICT50615**) for information on how to enrol.

Where can I get more information?

Our website contains a lot of important information. <http://infotech.hornsby.tafensw.edu.au>

If you need to ask questions please contact the course coordinator- **Ariane Warnant**

Email ariane.warnant@tafensw.edu.au or Phone: 9472 1973