Diploma of Website Development (ICT50615)

There are a number of possible study plans with the recommended Diploma study plan having the following key features:

> The recommended study plan will take a new student with no previous website development experience 18 months to complete

> A Work Placement based in industry and project management is included in the Diploma of Website Development. Work placement is self-sourced but support is provided through TAFE SA industry contacts.

> There is a focus on mobile website development using Bootstrap, Windows Azure, WordPress, HTML5, CSS 3 and JavaScript to create and host mobile websites for tablets and mobile phones.

> There is an increased focus on website programming using javascript, jQuery and ASP.Net/XML programming.

> A focus on the development of websites and website content using the Adobe Creative Cloud Suite including, Photoshop and Premiere Pro.

> A focus on dynamic and e-commerce website development using PHP and Database Development using MySQL and Search Engine Optimisation.

WorkReady

> WorkReady is a State Government initiative providing subsidies to support students to complete certain qualifications.

> This course is subsidised under WorkReady and is eligible for VET Student Loan. There will be an upfront payment required for this course.

> There are eligibility criteria for receiving WorkReady subsidy and VET Student Loans.

> ALL STUDENTS IRRESPECTIVE OF PREVIOUS STUDIES WILL BE REQUIRE TO DO THE CORE SKILLS PROFILE FOR ADULTS (CSPA) BEFORE THEY ARE ELIGIBLE FOR WORKREADY SUBSIDY.

> For more information about WorkReady and to see if you are eligible for subsidised training please read the WorkReady online information or Vet Student Loan Enquiries.

IT Studies Subjects

This qualification is from the National Training Package ICT15 that is developed by the Commonwealth Government. TAFE SA IT Studies clusters related competencies in the Training Package into subjects. The information below refers to the TAFE SA IT Studies subjects and outlines the competencies that makes up those subjects. Delivery and assessment for the subjects will be done holistically so you will be awarded the same result for all competencies taught in that subject. Your final official results will refer to the competencies listed below.
Assumed Skills and Knowledge

This is not an entry level qualification. There are assumed skills and knowledge that are required to commence at the Diploma level. If you do not have these assumed skills and knowledge you should consider doing the lower level Certificates or at least the subjects listed below from those levels. These could have been gained in a number of ways:

> Completed the Certificate IV in Web-Based Technologies (ICT40315); or
> Other study equivalent to it (refer to the table below); or
> Have work experience and knowledge equivalent to it (refer to the table below).

If you do not have these assumed skills and knowledge you will need to use a study plan that contains subjects listed or do the qualification listed above. If you need to complete all of these assumed skills you would be adding another year of study.

These are PARTIALLY eligible for subsidy under WorkReady

<table>
<thead>
<tr>
<th>Subject</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4HTML5</td>
<td>This subject covers the usage and integration of HTML5 and CSS 3. Students will create an interactive website from scratch by coding using the technologies mentioned above. The final website will be transferred to a web server using FileZilla.</td>
</tr>
<tr>
<td>4WAU</td>
<td>This subject focuses on Website Accessibility and Website Usability. This aims to ensure that a website is accessible to users with special needs, including people with auditory, visual, mobility and cognitive impairments, and those people who use assistive technology to access web content.</td>
</tr>
<tr>
<td>4PHP</td>
<td>This subject involves producing basic server-side scripts for dynamic web pages with database integration using PHP and MySQL.</td>
</tr>
<tr>
<td>4DBB</td>
<td>This subject is designed to provide you with the basic skills necessary to design and implement a relational database using MySQL. These databases are now used extensively as a “backend” for websites that are content-rich and constantly changing.</td>
</tr>
<tr>
<td>4DWR</td>
<td>This subject examines numerous ways of determining client business requirements and verifying the accuracy of the information gathered. Using this information design a website to specifications within a particular technical and human interface environment. This subject will also cover the evaluation and selection of an appropriate web hosting services for current and future business needs.</td>
</tr>
<tr>
<td>4JSB</td>
<td>This subject will cover the basic syntax of JavaScript and enable you to automate client side validation of data on a web page form. The use of functions is explored and updating html elements by ID.</td>
</tr>
<tr>
<td>3PRB</td>
<td>This subject introduces the programming constructs of sequence, selection and iteration, array handling and file processing. Small command-line programs are developed using the Visual Studio 2015 C#.NET programming language</td>
</tr>
<tr>
<td>4CMS</td>
<td>This subject covers the usage and integration of HTML5 &amp; CSS 3 using WordPress a CMS (Content Management System). Students will create an interactive website to a given specification using an authoring tool by coding using the technologies mentioned above.</td>
</tr>
</tbody>
</table>
## Required Competencies

### Diploma of Website Development

**National Code:** ICT50615  
**TAFE SA Code:** TP00749

This table shows you the competencies that you must have on your academic record in order to achieve this qualification and the IT subjects you would complete.

<table>
<thead>
<tr>
<th>IT Studies Subject</th>
<th>National Code</th>
<th>Unit Name</th>
<th>Assumed Knowledge and Skills</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Business Continuity</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 4CEP | Copyright, Ethics and Privacy | ICTICT418 | Contribute to copyright, ethics and privacy in an IT environment  
N/A |
| 5WHSM | Workplace Health and Safety Management | BSBWHS501 | Ensure a safe workplace  
N/A |
| **Website Administration** | | | |
| 4SEO | Search Engine Optimisation | ICTWEB510 | Analyse information and assign meta-tags  
N/A |
| 5AWT | Acceptance and Website Testing | ICTSAS503 | Perform systems tests  
4DWR, 4HTML5, 4WAU |
| | | ICTSAS504 | Develop and conduct client acceptance test  
4DWR, 4HTML5, 4WAU |
| **Digital Media and Emerging Technologies** | | | |
| 5MWD | Mobile Website Development | ICTWEB516 | Research and apply emerging web technology trends  
4HTML5, 3PRB, 4JSB, 4DWL, 4WAP |
| | ICTWEB505 | Develop complex web page layouts  
4DWL |
| | ICTWEB506 | Develop complex cascading style sheets  
4DWL |
| 5DIW | Digital Images for the Web (Photoshop) | CUADIG405 | Produce innovative digital images  
N/A |
| 5DVE | Digital Video Editing (Adobe Premiere Pro) | ICTDMT501 | Incorporate and edit digital video  
N/A |
| **Web Programming** | | | |
| 4WAP | Website Authoring and Programming (including jQuery and WordPress) | ICTWEB411 | Produce basic client side script for dynamic web pages  
4HTML5, 4JSB |
| 5EWD | E-Commerce Website Development | ICTWEB502 | Create dynamic web pages  
4HTML5, 3PRB, 4JSB, 4DBB, 4DWR, 4PHP |
| | ICTDBS504 | Integrate database with a website  
4DBB, 4DWR, 4PHP |
| | ICTWEB509 | Use site server tools for transaction management  
4DBB, 4DWR, 4PHP |
## Diploma of Website Development

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>52DA</td>
<td>2D Animation (HTML5 canvas, JavaScript Programming, jQuery)</td>
<td></td>
</tr>
<tr>
<td>ICTWEB501</td>
<td>Build a dynamic website</td>
<td>4HTML5, 4JSB</td>
</tr>
<tr>
<td>ICTPRG418</td>
<td>Apply intermediate programming skills in another language</td>
<td></td>
</tr>
<tr>
<td>5DWS</td>
<td>Develop Web Services (ASP.Net and XML Programming)</td>
<td></td>
</tr>
<tr>
<td>ICTWEB503</td>
<td>Create web-based programs</td>
<td>4WAP, 4PHP, 5EWD</td>
</tr>
<tr>
<td>6MITP</td>
<td>Manage IT Projects</td>
<td></td>
</tr>
<tr>
<td>ICTPMG501</td>
<td>Manage ICT Projects</td>
<td></td>
</tr>
<tr>
<td>5WORK</td>
<td>Workplace Project (4 week placement or team-based project)</td>
<td></td>
</tr>
<tr>
<td>ICTICT515</td>
<td>Verify client business requirements</td>
<td>42DA, 4DWR, 4PHP, 4WAP, 4DBB, 4WAU, 4SEO, 5MWD, 5EWD</td>
</tr>
<tr>
<td>ICTWEB508</td>
<td>Develop website information architecture</td>
<td></td>
</tr>
</tbody>
</table>

**Legend:**
- Underline: Co-requisite/Optional required underpinning skill
# Subject Descriptions

<table>
<thead>
<tr>
<th>Subject</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4CEP</td>
<td>This subject involves maintaining professional and ethical conduct as well as to ensure that personal information of stakeholders is handled in a confidential and professional manner when dealing with stakeholders in an information technology (IT) environment.</td>
</tr>
<tr>
<td>4WAP</td>
<td>This subject covers two major areas: The use of CSS and Javascript frameworks such as UIKIT and jQuery to assist in web site creation and the use of JavaScript to validate user input on HTML forms.</td>
</tr>
<tr>
<td>4SEO</td>
<td>This subject involves researching and implementing various Search Engine Optimisation techniques and developing a strategic approach for marketing a website. This also involves analysing material and assigning meta-tags to ensure the accurate and consistent retrieval of information by users and search engines.</td>
</tr>
<tr>
<td>5MWD</td>
<td>This subject covers the use of Advanced HTML5 and CSS 3 to create website layouts specifically for mobile devices. It focuses on the current trends in non-platform specific mobile applications and utilises Bootstrap, Windows Azure, WordPress, HTML5, CSS 3 and JavaScript to create and host mobile websites.</td>
</tr>
<tr>
<td>5AWT</td>
<td>This subject involves conducting website testing to ensure that all of the properties or functions of the entire website are determined to be adequate before handover to the client or final acceptance testing.</td>
</tr>
<tr>
<td>5DVE</td>
<td>This subject involves capturing a digital video image and manipulating the video in specific ways Using Adobe Premiere Pro.</td>
</tr>
<tr>
<td>5DWS</td>
<td>This subject builds the skills and knowledge required to develop web applications and services using ASP.Net and XML.</td>
</tr>
<tr>
<td>5WHSM</td>
<td>This subject involves establishing, maintaining and evaluating the organisation’s occupational health and safety (OHS) policies, procedures and programs in the relevant work area in accordance with OHS legal requirements.</td>
</tr>
<tr>
<td>52DA</td>
<td>This subject builds the skills and knowledge required to create Advanced 2D digital animations using programming in javascript, html5 canvas and jQuery.</td>
</tr>
<tr>
<td>5DIW</td>
<td>This subject covers the path from taking a digital image, downloading it and then manipulating that image to meet requirements. It examines the qualities of digital cameras, how to photograph images, and then using Adobe Photoshop CC to manipulate those images to be used in a variety of applications, such as online media and print media.</td>
</tr>
<tr>
<td>5EWD</td>
<td>This subject involves the design and development of e-Commerce based websites with shopping carts and payment systems, and utilising technologies such as AJAX, Apache, PHP, MySQL etc.</td>
</tr>
<tr>
<td>6MITP</td>
<td>This subject will cover the project management aspects of developing a team-based project. The subject is completed in groups and focuses on complex aspects of IT Project Management from initiation, implementation and completion of a project, software metrics including error categorisation and analysis and defect removal efficiency; business continuity including determining and protecting critical systems and identifying recovery methodology processes.</td>
</tr>
<tr>
<td>5WORK</td>
<td>Industry work placement involves originating and developing information architecture concepts for complex websites to meet the current and future business requirements to an operational level. This will involve dealing with internal and external clients at a senior level to identify their business requirements and verify the accuracy of the information gathered for web development projects. If a placement in industry cannot be found then a provided group based project will be used.</td>
</tr>
</tbody>
</table>
TAFE SA Study Plan for Full-Time Students who do not have the assumed skills and Knowledge with no Early Exit Qualifications (18 Month Diploma) WD5AS

I am interested in achieving the Diploma of Website Development (ICT50615) but also:

➤ Would like to keep the cost of achieving the Diploma to a minimum.
➤ Understand that I need to pay for the assumed skills and knowledge component.
➤ I am NOT concerned with having early exit options such as the Certificate III or Certificate IV.

The following table shows the recommended study plan for the Diploma of Website Development with no early exit qualifications. Each stage is one Semester (or 6 months) in length for Full-Time students*.

<table>
<thead>
<tr>
<th>Stage 1 WD5AS11</th>
<th>Stage 2 WD5AS21</th>
<th>Stage 3 WD5AS31</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester</strong></td>
<td><strong>Semester</strong></td>
<td><strong>Semester</strong></td>
</tr>
<tr>
<td>4CMS (2)</td>
<td>4WAP (2)</td>
<td>5MWD (2)</td>
</tr>
<tr>
<td>5DIW (2)</td>
<td>4PHP (2)</td>
<td>5DWS (2)</td>
</tr>
<tr>
<td>5DVE (2)</td>
<td>4DBB (2)</td>
<td>5EWD (2)</td>
</tr>
<tr>
<td>Practical (6)</td>
<td>52DA (2)</td>
<td>6MITP (2)</td>
</tr>
<tr>
<td></td>
<td>5WORK (2)</td>
<td>5WORK continued (2)</td>
</tr>
<tr>
<td></td>
<td>Practical (6)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 1</th>
<th>Term 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>4HTML5 (2)</td>
<td>4WAU^ (2)</td>
<td>4SEO (2)</td>
<td>4DWR (2)</td>
<td>5AWT (2)</td>
<td></td>
</tr>
<tr>
<td>3PRB (2)</td>
<td>4JSB (2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5WHSM^ (2)</td>
<td>4CEP^ (2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(16)</td>
<td>(16)</td>
<td>(18)</td>
<td>(18)</td>
<td>(16)</td>
<td>(18)</td>
</tr>
</tbody>
</table>

Exit Qualifications

No exit qualification after this Stage
No exit qualification after this Stage
Exit with the Diploma of Website Development

Please Note: This program structure is subject to change.

Legend:
^ These subjects are delivered in an external/online mode. Some other subjects maybe available in an external/online or blended delivery mode please check this with your lecturer at time of registration.

( ) The number in brackets after the subject is the indicative number of contact hours per week that you expect to study at a TAFE SA campus for that subject.

Practical additional sessions to complete subject activities, assignments and tests.

Note: The study plan is for a full-time student with class-attendance. This is usually between 16-18 hours a week of attendance. Your local campus may offer the subject in a variety of formats including online, multi-subject, self-paced etc. The length of time for Part-Time students will depend on the number of subjects studied in each semester.
The following table shows the recommended study plan for the Diploma of Website Development where students meet the assumed skills and knowledge. Each stage is one Semester (or 6 months) in length for Full-Time students*.

<table>
<thead>
<tr>
<th>Stage 1 WD5XS11</th>
<th>Stage 2 WD5XS21</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester</strong></td>
<td><strong>Semester</strong></td>
</tr>
<tr>
<td>5DIW (2)</td>
<td>5MWD (2)</td>
</tr>
<tr>
<td>4WAP (2)</td>
<td>5DWS (2)</td>
</tr>
<tr>
<td>5DVE (2)</td>
<td>5EW (2)</td>
</tr>
<tr>
<td>52DA (2)</td>
<td>6MITP (2)</td>
</tr>
<tr>
<td>5WORK (2)</td>
<td>5WORK continued (2)</td>
</tr>
<tr>
<td>Practical (6)</td>
<td>Practical (6)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 1</th>
<th>Term 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>4SEO (2)</td>
<td>5AWT (2)</td>
<td>(20)</td>
<td>(16)</td>
</tr>
<tr>
<td>4CEP^ (2)</td>
<td>5WHSM^ (3)</td>
<td>(21)</td>
<td>(16)</td>
</tr>
</tbody>
</table>

Exit Qualifications

- No exit qualification after this Stage
- Exit with the **Diploma of Website Development**

**Legend:**

^ These subjects are delivered in an external/online mode. Some other subjects maybe available in an external/online or blended delivery mode please check this with your lecturer at time of registration.

( ) The number in brackets after the subject is the indicative number of contact hours per week that you expect to study at a TAFE SA campus for that subject.

Practical additional sessions to complete subject activities, assignments and tests.

**Note:** The study plan is for a full-time student with class-attendance. This is usually between 16-21 hours a week of attendance. Your local campus may offer the subject in a variety of formats including online, multi-subject, self-paced etc. The length of time for Part-Time students will depend on the number of subjects studied in each semester.
## Pricing of Website Development Diploma

<table>
<thead>
<tr>
<th>Study Plan</th>
<th>Work Ready Pricing</th>
<th>Work Ready Concession Pricing</th>
<th>Full Fee Paying</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Diploma of Website Development – plan WD5AS</strong> (You do not have the assumed skills and knowledge)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total fee</td>
<td>7,525</td>
<td>5,960</td>
<td>9,845</td>
</tr>
<tr>
<td>Upfront fee</td>
<td>2,320</td>
<td>1,975</td>
<td>2,830</td>
</tr>
<tr>
<td>Fee that can be deferred using VET FEE HELP</td>
<td>5,205</td>
<td>3,985</td>
<td>7,245</td>
</tr>
<tr>
<td><strong>Diploma of Website Development – plan WD5XS</strong> (You already have the assumed skills and knowledge)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total fee</td>
<td>5,205</td>
<td>3,985</td>
<td>7,245</td>
</tr>
<tr>
<td>Upfront fee</td>
<td>$0</td>
<td>$0</td>
<td>$0</td>
</tr>
<tr>
<td>Fee that can be deferred using VET FEE HELP</td>
<td>5,205</td>
<td>3,985</td>
<td>7,245</td>
</tr>
</tbody>
</table>

The above prices may vary for a range of students including international students, trainees, VET in schools’ students etc. Please contact your local campus for more information if necessary.

The above prices are subject to change.

[TAKE SA Refund Policy Details](#)

[Click here to apply for this qualification](#)
Changes to this Qualification from Semester 1 2018 Onwards

If you are a student that enrolled in this course prior to semester 1 2018 you should be aware of some changes.

- The Photoshop subject 5DIW competency has changed from CUAPHI504 Employ specialised imaging technologies to CUADIG405 Produce innovative digital images

Changes to this Qualification from Semester 1 2017 Onwards

If you are a student that enrolled in this course prior to semester 1 2017 you should be aware of some changes.

- The database subject 4DBB has moved from stage 1 to stage 2
- The Workplace Health and Safety Management subject 5WHSM has moved from stage 2 to stage 1
- The Digital Video Editing subject using Adobe Premiere Pro 5DVE has moved from stage 2 to stage 1

Changes to this Qualification from Semester 2 2016 Onwards

If you are a student that enrolled in this course prior to semester 2 2016 you should be aware of some changes.

- 42DA Adobe Edge Animate is no longer taught, this subject has been replaced with 4VGC using Adobe Illustrator and inDesign and is not required for underpinning skills for this diploma.
- The subject 4DIW has been replaced with 5DIW and has been added as a diploma subject
- 5DWS ICTWEB504-Build a document using eXtensible markup language competency removed
- 4WAP is now a diploma subject
- The subject 52DA was previously in stage 3 of the W5AS plan but has now moved to stage 2
- The subject 5MWD was previously in stage 2 of the W5AS plan but has now moved to stage 3

Changes to this Qualification from Semester 1 2016 Onwards

If you are a student that enrolled in this course prior to semester 1 2016 you should be aware of some changes.

- 5WDP Website Development and Digital Media Project has changed name to 5WORK and includes an industry work placement or group based project.
- 5EDI Advanced Adobe Photoshop has been replaced with 6MITP Manage ICT projects
- 52DA has changed one competency from ICTICT406 Build a graphical user interface to ICTPRG418 Apply intermediate programming skills.

Changes to this Qualification from Semester 2 2015 Onwards

If you are a student that enrolled in this course prior to semester 2 2015 you should be aware of some changes.

- 4FTP Transfer content to a website using commercial packages has been added to 4HTML5
- 4EHS Evaluate and select a web hosting service has been added to 4DWR

Changes to this Qualification from Semester 2 2014 Onwards

If you are a student that enrolled in this course prior to semester 2 2014 you should be aware of some changes.

- 4EDI has been split into 2 subjects 3DIW and 4DIW.
- 4HTML5 originally included javascript and was a full semester subject has now been split into 4HTML5, now a one term subject followed by 4JSB javascript, a one term subject.
- 4WDBB website database basics is now called 4DBB database basics.