



## Learning and Assessment Plan

This learning and assessment plan outlines how this unit or cluster of units will be delivered and assessed. The schedule of learning topics, assessments and the due date for assessments is included.

Qualification national code and title:	ICT40120 Certificate IV in Information Technology (Programming)	
Delivery Period:	Semester 1, 2026	
Cluster Name (if applicable)	Web Technologies	
National ID	Name of unit	
ICTWEB452	Create a markup language document	( <a href="#">link to unit</a> )
ICTWEB441	Produce basic client-side script	( <a href="#">link to unit</a> )
<b>You can access the full unit/s of competency using the links above or below:</b> <ul style="list-style-type: none"><li>• <a href="https://training.gov.au/Training/Details/ICTWEB452">https://training.gov.au/Training/Details/ICTWEB452</a></li><li>• <a href="https://training.gov.au/Training/Details/ICTWEB441">https://training.gov.au/Training/Details/ICTWEB441</a></li></ul>		
Delivery Location/s (Campus/Room/Online):	Face-To-Face: Online:	Perth Campus Online Campus Room 3-06, 19 Aberdeen Street

Student Learning Resources, text, equipment (Required/Optional)	
Student to supply:	<ul style="list-style-type: none"><li>• External storage device</li></ul>
College to supply:	<ul style="list-style-type: none"><li>• PC (Windows or Mac based)</li><li>• Three different browsers (Chrome/MS Edge, Opera, Firefox)</li><li>• JetBrains WebStorm (Students may also use VS Code)</li><li>• Web Server (Win: Laragon)</li><li>• Microsoft 365</li><li>• Internet access</li><li>• Access to LMS (Learning Management System) [Blackboard]</li></ul>
Following Online tutorials are also required:	<ul style="list-style-type: none"><li>• Learn HTML in One Hour<ul style="list-style-type: none"><li>○ <a href="https://youtu.be/qz0aGYrrlhU">https://youtu.be/qz0aGYrrlhU</a></li></ul></li><li>• HTML Tutorials for Beginners<ul style="list-style-type: none"><li>○ <a href="https://youtube.com/playlist?list=PL0Zuz27SZ-6OIAwitnFUubtE93DO-I0vu">https://youtube.com/playlist?list=PL0Zuz27SZ-6OIAwitnFUubtE93DO-I0vu</a></li></ul></li><li>• CSS Tutorials for Beginners<ul style="list-style-type: none"><li>○ <a href="https://youtube.com/playlist?list=PL0Zuz27SZ-6Mx9fd9elt80G1bPcySmWit">https://youtube.com/playlist?list=PL0Zuz27SZ-6Mx9fd9elt80G1bPcySmWit</a></li></ul></li><li>• JS Tutorials for Beginners<ul style="list-style-type: none"><li>○ <a href="https://youtube.com/playlist?list=PL0Zuz27SZ-6Oi6xNtL_fwCrwpuyIMsgT">https://youtube.com/playlist?list=PL0Zuz27SZ-6Oi6xNtL_fwCrwpuyIMsgT</a></li></ul></li></ul>
<i>Students are expected to complete the required parts of the video tutorials before the class of the session indicated.</i>	



## Learning and Assessment Plan

Lecturer Name:	Phone:	Email:	Contact times	Campus / Room
			Mon 1030-1700 Wed 0900-1600 Thu 0900-1700	Perth, 30 Aberdeen St

### Assessment Summary

Assessment	Title and brief description	Due Date	
Assessment 1	Knowledge Based Assessments	KBA ICTWEB452	Session 11
		KBA ICTWEB441	Session 15
Assessment 2	Portfolio of work	Phase 1: HTML & CSS	Session 10
		Phase 2: JS	Session 14
		Phase 3: HTML, CSS, JS	Session 16
Assessment 3	Project: Personal Portfolio hosted on GitHub Pages	<b>Session 18</b>	

You will receive more detailed instructions on each assessment from your lecturer.

The regular learning requirements to develop the skills and knowledge for this unit are outlined below. Please refer to your timetable for session times.

**Please note:** This plan is to be used as a guide and may be adapted to meet the needs of students. You will be notified of changes as they occur.

Your training will include **structured in and out of class activities\*** to be completed for this unit.

\*Out of class activities may include(☒):

- |   |  |
|---|--|
| <input type="checkbox"/> lectures or tutorials, online tasks and forums     | <input type="checkbox"/> workshop activities             |
| <input type="checkbox"/> <b>assessments</b> (when integrated with learning) | <input type="checkbox"/> projects, <b>assignments</b>    |
| <input type="checkbox"/> workplace experience                               | <input type="checkbox"/> prescribed follow-up activities |
| <input type="checkbox"/> <b>prescribed reading and research</b>             | <input type="checkbox"/> other (please specify)          |



## Learning and Assessment Plan

\*Learning Resources - to enable learners to meet the requirements of this unit of competency or cluster.

Sessions (Hours)		Element number	Topic	Learning Resources*	Structured out of class activities*	
Session	Hrs				Activity	Hrs
1	3	ICTWEB452 2	<b>Introduction</b> <ul style="list-style-type: none"><li>• What is the Internet</li><li>• How the internet works</li><li>• The Internet and the Web</li><li>• Editors and IDEs</li><li>• Browsers</li><li>• HTML Basics</li></ul> <b>Elements, tags, standard base HTML</b> <ul style="list-style-type: none"><li>• p</li><li>• h1 – h6</li><li>• title</li><li>• meta</li><li>• html</li><li>• body</li><li>• head</li></ul>	BB: Session 01  <a href="#">Learn HTML in One Hour (link)</a>	NIL	0
2	3	ICTWEB452 2, 3	<b>HTML Basics</b> <ul style="list-style-type: none"><li>• Structural, Semantic Elements</li><li>• article, section, aside, nav, header, footer, main, div, span</li></ul>	BB: Session 02  <a href="#">Learn HTML in One Hour (link)</a>  <a href="#">HTML Tutorials for Beginners: Video 1, 2, 3, 7 (link)</a>	<a href="#">Learn HTML in One Hour (link)</a>  HTML Tutorials for Beginners: Video 1, 2, 3, 7  Session Challenges	2.5
3	3	ICTWEB452 2, 3	<b>HTML Basics &amp; Validation</b> <ul style="list-style-type: none"><li>• Block &amp; Inline Elements</li><li>• Lists: ol, ul, dl</li><li>• Links</li><li>• File Structure</li><li>• IDE's continued</li></ul> <b>Accessibility in the Web</b>	BB: Session 03  <a href="#">HTML Tutorials for HTML Tutorials for Beginners (link)</a>  <a href="#">CSS Tutorials for Beginners (link)</a>	HTML Tutorials for Beginners: Video 4, 5  CSS Tutorials for Beginners: Videos 1, 2, 3, 4, 5  Session Challenges	3
4	3	ICTWEB452 2, 3	<b>CSS Basics</b> <ul style="list-style-type: none"><li>• margin, padding, border</li><li>• Selectors</li><li>• Colour &amp; Background</li><li>• Loading CSS</li><li>• The Box model</li><li>• Grids, Flexbox Introduction</li><li>• CSS in the browser</li><li>• </li></ul>	BB: Session 04  <a href="#">HTML Tutorials for Beginners (link)</a>  <a href="#">CSS Tutorials for Beginners (link)</a>	CSS Tutorials for Beginners: Videos 6, 7, 8, 14, 15  Session Challenges	3.5



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Session	Hrs				Activity	Hrs
5	3	ICTWEB452 2, 3	<b>Analysing specifications and requirements</b> <b>Analysing page content</b>  <b>HTML Basics</b> <ul style="list-style-type: none"><li>span, em, bold, strong, i and other sundry elements</li></ul> <b>CSS Basics</b> <ul style="list-style-type: none"><li>CSS Reset</li><li>Grids, Flexbox continued</li></ul> <b>Validating Documents</b>	BB: Session 05  <a href="#">HTML Tutorials for Beginners (link)</a>  <a href="#">CSS Tutorials for Beginners (link)</a>	HTML Tutorials for Beginners: Video 8, 9  CSS Tutorials for Beginners: Videos 14, 15  Session Challenges  Portfolio work	3
6	3	ICTWEB452 1 - 3	  <b>HTML Basics</b> <ul style="list-style-type: none"><li>img and images</li></ul>	BB: Session 06  <a href="#">HTML Tutorials for HTML Tutorials for Beginners (link)</a>  <a href="#">CSS Tutorials for Beginners (link)</a>  <a href="#">Modern Fonts (link)</a>	HTML Tutorials for Beginners: Video 6 & 10  CSS Tutorials for Beginners: Videos 10, 11, 12, 13, 14, 15,  Session Challenges  Portfolio work	4
7	3	ICTWEB452 2 - 4	  <b>CSS Basics</b> <ul style="list-style-type: none"><li>Media Queries</li><li>Fonts</li><li>Pseudo Selectors</li></ul>	BB: Session 07  <a href="#">HTML Tutorials for Beginners (link)</a>  <a href="#">CSS Tutorials for Beginners (link)</a>	CSS Tutorials for Beginners: Videos 23, 27  Session Challenges  Portfolio work	4
8	3	ICTWEB452 ALL ICTWEB441 1, 2	  <b>HTML</b> <ul style="list-style-type: none"><li>Tables: table, thead, tbody, tfoot, caption, tr, td, th</li></ul> <b>JS &amp; HTML</b> <ul style="list-style-type: none"><li>Analysing specifications and requirements</li><li>JavaScript &amp; ECMAScript</li><li>External and Embedded JS</li></ul>	BB: Session 08  <a href="#">HTML Tutorials for Beginners (link)</a>  <a href="#">JS Tutorials for Beginners (link)</a>	HTML Tutorials for Beginners: Video 6 & 8  JS Tutorials for Beginners – Videos 1, 2, 3  Session Challenges  Portfolio work	3



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Session	Hrs				Activity	Hrs
9	3	ICTWEB452 ALL ICTWEB441 1, 2	<b>HTML Basics</b> <ul style="list-style-type: none"> <li>Forms: <code>form</code>, <code>input</code>, <code>label</code>, <code>select</code>, <code>option</code>, <code>optgroup</code>, <code>button</code>, and other elements &amp; attributes</li> </ul> <b>JS and HTML</b> <ul style="list-style-type: none"> <li>Numbers, Variables, Number Methods</li> <li>Maths Methods</li> <li>Testing JS Scripts</li> </ul>	BB: Session 09 <a href="#">JS Tutorials for Beginners (link)</a>	JS Tutorials for Beginners – Videos 4, 5, 6 Session Challenges Portfolio work	4
10	3	ICTWEB441 ALL	<b>Portfolio Phase 3 Due</b>  <b>JS, HTML</b> <ul style="list-style-type: none"> <li>Strings</li> <li>Expressions</li> <li>Operators</li> <li>If, Switch, Ternary Operators</li> </ul> <b>Portfolio Phase 1 Due</b>	BB: Session 10 <a href="#">JS Tutorials for Beginners (link)</a>	JS Tutorials for Beginners – Videos 3, 8, 9 Session Challenges Portfolio work	4
11	3	ICTWEB441 2, 3	<b>KBA ICTWEB452</b> <b>In Class Supervised</b>  <b>JS, HTML</b> <ul style="list-style-type: none"> <li>DOM</li> <li>User input</li> <li>For, While and Do Loops</li> </ul>	BB: Session 11 <a href="#">JS Tutorials for Beginners (link)</a>	JS Tutorials for Beginners – Videos 10, 12, 13, 21 Session Challenges Portfolio work	4
12	3	ICTWEB441 2, 3	<b>JS, HTML</b> <ul style="list-style-type: none"> <li>Functions</li> <li>Scopes</li> <li>Constants,</li> <li>Arrays,</li> <li>Objects</li> </ul>	BB: Session 12 <a href="#">JS Tutorials for Beginners (link)</a>	JS Tutorials for Beginners – Videos 13, 14, 15, 17 Session Challenges  KBA ICTWEB452 Resits	4
13	3	ICTWEB441 2, 3	<b>JS, HTML</b> <ul style="list-style-type: none"> <li>Refactoring,</li> <li>DOM &amp; Event Listeners,</li> <li>JSON,</li> <li>Error Handling</li> <li>Fetch method</li> </ul>	BB: Session 13 <a href="#">JS Tutorials for Beginners (link)</a>	JS Tutorials for Beginners – Videos 19, 20, 21, 22 Session Challenges Portfolio work	4



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Session	Hrs				Activity	Hrs
14	3	ICTWEB441 2, 3	<b>JS, HTML</b> <ul style="list-style-type: none"> <li>• Objects</li> <li>• Classes,</li> <li>• Local Storage</li> </ul> <b>Portfolio Demonstrations</b> <b>Portfolio Phase 2 Due</b>	BB: Session 14 <a href="#">JS Tutorials for Beginners (link)</a>	JS Tutorials for Beginners – Videos 17, 18, 23 Session Challenges Portfolio work	3
15	3	ICTWEB441 2, 3	<b>JS, HTML</b> <ul style="list-style-type: none"> <li>• Higher Order Functions</li> <li>• Callback,</li> <li>• Promise,</li> <li>• Async and Await</li> </ul> <b>Portfolio demonstrations</b> <b>KBA ICTWEB441 Due</b> • In Class Supervised	BB: Session 15 <a href="#">JS Tutorials for Beginners (link)</a>	JS Tutorials for Beginners – Video 25, 26 Session Challenges Project work	4
16	3	ICTEWEB452 ALL ICTWEB441 ALL	<b>JS, HTML &amp; CSS</b> <ul style="list-style-type: none"> <li>• Tailwind</li> <li>• FTP</li> </ul> <b>Portfolio Phase 3 Due</b>	BB: Session 16 <a href="#">JS Tutorials for Beginners (link)</a>	JS Tutorials for Beginners – Video 24 Project work	4
17	3	ICTEWEB452 ALL ICTWEB441 ALL	<b>Resits Finalised:</b> • KBA ICTWEB441 • KBA ICTWEB452 <b>JS, HTML &amp; CSS</b> <ul style="list-style-type: none"> <li>• Modules</li> <li>• State</li> </ul>	BB: Session 17	Project work	4
18	3	ICTEWEB452 ALL ICTWEB441 ALL	<b>Final Project Due</b> <b>Demonstration and Feedback of project work</b>	BB: Sessions 18-19	Portfolio & project resit work	2
19	3	ICTEWEB452 ALL ICTWEB441 ALL	<b>No formal class</b> <b>Final opportunity to demonstrate Portfolio and Project Resits</b>	BB: Sessions 18-19	n/a	0
20	3	ICTEWEB452 ALL ICTWEB441 ALL	<b>No formal class</b> <b>Final opportunity to demonstrate Portfolio and Project Resits</b>	n/a	n/a	0



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Sessions (Hours)		Element number	Topic	Learning Resources*	Structured out of class activities*	
Session	Hrs				Activity	Hrs
Total Hours	60.00				Total hours out of class activities	60.00
<b>Total amount of training for this unit: (sum of Session Hours + Out of Class Hours)</b>					<b>240</b>	



## Learning and Assessment Plan

### Recognition of Prior Learning (RPL) / Credit

You may be eligible for Recognition of Prior Learning (RPL) / Credit towards your studies If you have relevant existing skills, knowledge, or formal qualifications. Please discuss available options with your lecturer.

### Reasonable Adjustment

We recognise that every student has different learning styles and needs. Please let your lecturer know if there is anything that may have an effect on your learning so they may be able to adjust your plan.

### Results and Appeals

Students may lodge an appeal against an academic result. Appeals must be lodged within four weeks from notification of the assessment result. Please see details under Academic Appeals on the NMT website.

### Absences

If you are unable to attend any class or assessment session you must inform your lecturer as soon as possible.

If you miss an assessment due to illness, please provide your lecturer with a medical certificate in order to negotiate an alternate time for the assessment.

### Plagiarism

Plagiarism is using another person's ideas and words without clearly acknowledging the source of the information. It is not acceptable to submit an assessment that is based on another person's work and claim it as your own. If you submit an assessment that is significantly or recognizably the same or similar in content as submitted by another student (current or past) you may have to submit another assessment.

### Assessment Resit/Resubmission

You shall be permitted to have at least two attempts to demonstrate competency against a unit of competency or cluster of units of competency.

To qualify for re-assessment:

- you must have made a reasonable attempt to complete the assessment satisfactorily
- AND
- you must have submitted the original assessment by the due date
- OR
- you must have attended and participated in the original assessment event

In the case of a re-assessment opportunity, your lecturer will give you a due date for your second attempt. Should you not achieve a Satisfactory result on the second attempt, you will need to re-enrol (R) in the unit.

Be aware, in certain situations there are limited reassessment options (such as one-off Performances and Exhibitions).