

## Technology Matrix

<b>Level 1</b>	<p>AS90045 <b>1.1</b></p> <p>Develop an outcome through technological practice to address a given brief</p> <p>6 credits Internal</p>	<p>AS90046 <b>1.2</b></p> <p>Formulate a brief to address a given issue</p> <p>6 credits Internal</p>	<p>AS90047 <b>1.3</b></p> <p>Develop an outcome by widening the use of an existing technology</p> <p>6 credits Internal</p>	<p>AS90048 <b>1.4</b></p> <p>Develop a means for ongoing production of an outcome developed through technological practice.</p> <p>6 credits Internal</p>	<p>AS90049 <b>1.5</b></p> <p>Demonstrate understanding of technological knowledge</p> <p>4 credits External</p>	<p>AS90050 <b>1.6</b></p> <p>Present an outcome developed through technological practice that addresses the requirements of a brief</p> <p>4 credits Internal</p>	<p>AS90051 <b>1.7</b></p> <p>Describe the interactions between a technological innovation and society</p> <p>4 credits External</p>
<b>Level 2</b>	<p>AS90339 <b>2.1</b> AS90342 AS90340 AS90343 AS90341 AS90344</p> <p>Develop and model a conceptual design in (biotechnology, electronics and control technology, food technology, information and communication technology, materials technology, structures and mechanisms).</p> <p>6 credits Internal</p>	<p>AS90346 <b>2.2</b> AS90349 AS90347 AS90350 AS90348 AS90351</p> <p>Develop and implement a one-off solution in (biotechnology, electronics and control technology, food technology, information and communication technology, materials technology, structures and mechanisms).</p> <p>6 credits Internal</p>	<p>AS90352 <b>2.3</b></p> <p>Develop a means for multi-unit production of a technological outcome.</p> <p>6 credits Internal</p>	<p>AS90773 <b>2.4</b></p> <p>Examine how technological practice is influenced by responsibilities to the wider community.</p> <p>4 credits External</p>	<p>AS90360 <b>2.5</b></p> <p>Inform own technological practice through the characterisation of an existing production process.</p> <p>4 credits External</p>	<p>AS90361 <b>2.6</b> AS90363 AS90371 AS90365 AS90373 AS90367</p> <p>Learning area specific standard.</p> <p><b>SEE PAGES 3 &amp; 4</b></p> <p>4 credits External</p>	<p>AS90362 <b>2.7</b> AS90364 AS90372 AS90366 AS90368</p> <p>Learning area specific standard.</p> <p><b>SEE PAGES 3 &amp; 4</b></p> <p>4 credits Internal</p>

<b>Level 3</b>	AS90613 <b>3.1</b>	AS90620 <b>3.2</b>	AS90792 <b>3.3</b>	AS90676 <b>3.4</b>	AS90677 <b>3.5</b>	<b>3.6</b> AS90678 AS90684 AS90680 AS90686 AS90682 AS90688	AS90679 <b>3.7</b> AS90683 AS90685 AS90681 AS90687
	Develop a conceptual design to address a client issue.	Develop a one-off solution to address a client issue.	Develop a proposal for a production process for a client.	Describe technologists' responsibilities to the wider community.	Analyse an existing multi-unit production process.	Explain knowledge that underpins a (biotechnology, electronics and control technology, food technology, information and communication technology, materials technology) outcome.	Demonstrate techniques in (biotechnology, electronics and control technology, food technology, information and communication technology, materials technology).
	8 credits      Internal	8 credits      Internal	6 credits      Internal	4 credits      External	4 credits      External	<b>SEE PAGES 3&amp; 4</b> 4 credits      External	<b>SEE PAGES 3&amp; 4</b> 4 credits      Internal

### Learning Area Specific Sections of the Levels 2 and 3 Technology Matrix

<b>Biotechnology</b>	AS90361 <span style="float: right;"><b>2.6</b></span> Examine technological knowledge in biotechnology practice	AS90362 <span style="float: right;"><b>2.7</b></span> Demonstrate skills in biotechnology	AS90678 <span style="float: right;"><b>3.6</b></span> Explain knowledge that underpins a biotechnology outcome.	AS90679 <span style="float: right;"><b>3.7</b></span> Demonstrate techniques in biotechnology
	4 credits External	4 credits Internal	4 credits External	4 credits Internal
<b>Electronics and Control Technology</b>	AS90363 <span style="float: right;"><b>2.6</b></span> Examine technological knowledge in electronics and control technology practice	AS90364 <span style="float: right;"><b>2.7</b></span> Demonstrate skills in electronics and control technology	AS90680 <span style="float: right;"><b>3.6</b></span> Explain knowledge that underpins a electronic and control technology outcome.	AS90681 <span style="float: right;"><b>3.7</b></span> Demonstrate techniques in electronics and control technology
	4 credits External	4 credits Internal	4 credits External	4 credits Internal
<b>Food Technology</b>	AS90365 <span style="float: right;"><b>2.6</b></span> Examine technological knowledge in food technology practice	AS90366 <span style="float: right;"><b>2.7</b></span> Demonstrate skills in food technology	AS90682 <span style="float: right;"><b>3.6</b></span> Explain knowledge that underpins a food technology outcome.	AS90683 <span style="float: right;"><b>3.7</b></span> Demonstrate techniques in food technology
	4 credits External	4 credits Internal	4 credits External	4 credits Internal
<b>Information and Communication Technology</b>	AS90367 <span style="float: right;"><b>2.6</b></span> Examine technological knowledge in information and communication technology practice	AS90368 <span style="float: right;"><b>2.7</b></span> Demonstrate skills in information and communication technology	AS90684 <span style="float: right;"><b>3.6</b></span> Explain knowledge that underpins a information and communication technology outcome.	AS90685 <span style="float: right;"><b>3.7</b></span> Demonstrate techniques in information and communication technology
	4 credits External	4 credits Internal	4 credits External	4 credits Internal

### Learning Area Specific Sections of the Levels 2 and 3 Technology Matrix

<b>Materials Technology</b>	AS90371 <span style="float: right;"><b>2.6</b></span> Examine technological knowledge in materials technology practice  4 credits <span style="float: right;">External</span>	AS90372 <span style="float: right;"><b>2.7</b></span> Demonstrate skills in materials technology  4 credits <span style="float: right;">Internal</span>	AS90686 <span style="float: right;"><b>3.6</b></span> Explain knowledge that underpins a materials technology outcome.  4 credits <span style="float: right;">External</span>	AS90687 <span style="float: right;"><b>3.7</b></span> Demonstrate techniques in materials technology  4 credits <span style="float: right;">Internal</span>
<b>Structures and Mechanisms</b>	AS90373 <span style="float: right;"><b>2.6</b></span> Examine technological knowledge in structures and mechanisms practice  4 credits <span style="float: right;">External</span>		AS90688 <span style="float: right;"><b>3.6</b></span> Explain knowledge that underpins a structures and /or mechanisms technology outcome.  4 credits <span style="float: right;">External</span>	