

## Biology Matrix

<b>Level 1</b>	AS90161 <b>1.1</b> Carry out a practical biology investigation with direction	AS90162 <b>1.2</b> Process information to describe a use of biology knowledge with direction	AS90163 <b>1.3*</b> Describe the transfer of genetic information	AS90164 <b>1.4</b> Describe ecological characteristics found in two biological communities	AS90165 <b>1.5</b> Describe the control of an introduced species that affects native species	AS90166 <b>1.6</b> Describe the functioning of human digestive and skeletal-muscular systems	AS90167 <b>1.7</b> Describe plant processes	AS90168 <b>1.8*</b> Describe how humans use and are affected by micro-organisms	
	4 credits Internal	2 credits Internal	3 credits External	3 credits Internal	2 credits Internal	4 credits External	4 credits External	2 credits External	
<b>Level 2</b>	AS90457 <b>2.1</b> Carry out a practical biological investigation with supervision	AS90769 <b>2.2</b> Research the interaction between humans and an aspect of biology	AS90459 <b>2.3</b> Describe genetic variation and change	AS90460 <b>2.4</b> Investigate an interrelationship or pattern in an ecological population or community	AS90461 <b>2.5</b> Describe concepts and processes relating to ecology	AS90462 <b>2.6</b> Describe diversity in the structure and function of animals	AS90463 <b>2.7</b> Describe diversity in the structure and function of plants	AS90464 <b>2.8</b> Describe cell structure and function	
	3 credits Internal	3 credits Internal	3 credits External	3 credits Internal	3 credits External	3 credits External	3 credits External	3 credits External	
<b>Level 3</b>	AS90713 <b>3.1</b> Carry out a practical investigation into an aspect of an organisms ecological niche with guidance	AS90714 <b>3.2</b> Research a contemporary biological issue	AS90715 <b>3.3</b> Describe the role of DNA in relation to gene expression	AS90716 <b>3.4</b> Describe animal behaviour and plant responses in relation to environmental factors	AS90717 <b>3.5</b> Describe processes and patterns of evolution	AS90718 <b>3.6</b> Describe applications of biotechnological techniques	AS90719 <b>3.7</b> Describe trends in human evolution		
	4 credits Internal	3 credits Internal	4 credits External	4 credits External	3 credits External	3 credits Internal	3 credits External		

\* A student cannot be credited with **either** of these standards **and** science 1.3 because of significant overlap of assessed outcomes.