

## Course List for Biology Major Students\*<sup>@</sup>

<u>Required Courses</u>		<u>Capstone Courses</u>	
<i>Course Code</i>	<i>Course Title</i>	<i>Course Code</i>	<i>Course Title</i>
<b>BCHE2030</b>	Fundamentals of Biochemistry	<b>BIOL4901</b>	Senior Experimental Project I
<b>BIOL2120</b>	Cell Biology	<b>BIOL4902</b>	Senior Experimental Project II
<b>BIOL2210</b>	Ecology	<b>BIOL4903</b>	Senior Experimental Project III
<b>BIOL2410</b>	General Genetics	<b>BIOL4906</b>	Internship
<b>BIOL2420</b>	Population Genetics	<b>BIOL4907</b>	Field Study
<b>BIOL3012</b>	Biodiversity Laboratory I	<b>LSCI4000</b>	Literature Research
<b>BIOL3022</b>	Biodiversity Laboratory II	<b>LSCI4911</b>	Group Research in Life Sciences I
<b>BIOL3410</b>	General Microbiology	<b>LSCI4912</b>	Group Research in Life Sciences II
<b>BIOL3560</b>	Biology of Fungi and Non-Vascular Plants	<b>LSCI4913</b>	Group Research in Life Sciences III
<b>BIOL3570</b>	Biology of Vascular Plants		
<b>BIOL3610</b>	Invertebrate Form and Function		
<b>BIOL3620</b>	Vertebrate Life		
<b>BIOL4010</b>	Evolutionary Biology		
<b>LSCI1012</b>	Introduction to Life Forms in Biosphere		
<b>LSCI2002</b>	Basic Lab Tech in Life Sci		

<u>Major Elective Courses</u>			
<i>Course Code</i>	<i>Course Title</i>	<i>Course Code</i>	<i>Course Title</i>
<b>BIOL2213</b>	Ecology Laboratory	<b>BCHE3050</b>	Molecular Biology
<b>BIOL2313</b>	Genetics Laboratory	<b>BCHE3080</b>	Bioenergetics and Metabolism
<b>BIOL3310</b>	Human Biology	<b>BCHE4040</b>	Aspects of Neuroscience
<b>BIOL3420</b>	Advanced Genetics and Epigenetics	<b>BCHE4060</b>	Basic and Applied Immunology
<b>BIOL3530</b>	Plant Physiology	<b>BCHE4090</b>	Biochemistry for Sport and Exercise
<b>BIOL3630</b>	Animal Physiology	<b>BCHE4130</b>	Molecular Endocrinology
<b>BIOL3710</b>	Marine Biology	<b>CMBI4101</b>	Cancer Cell Biology
<b>BIOL4012</b>	Field and Environmental Biology	<b>CMBI4102</b>	Stem Cell Biology
<b>BIOL4032</b>	Physiological Investigations	<b>CMBI4201</b>	Genomics and Transcriptomics
<b>BIOL4120</b>	Developmental Biology	<b>CMBI4202</b>	Proteomics
<b>BIOL4220</b>	Environmental Biotechnology	<b>CMBI4203</b>	Metabolomics
<b>BIOL4230</b>	Global Change Biology	<b>ENSC3520</b>	Environmental & Biochemical Toxicology
<b>BIOL4260</b>	Conservation Biology	<b>FNESC3010</b>	Nutrition & Human Development
<b>BIOL4310</b>	Human Genetics	<b>FNESC3180</b>	Food Microbiology
<b>BIOL4420</b>	Marine Microbial Ecology	<b>FNESC4101 &amp; FNESC4102</b>	Human Physiology for Nutrition Studies I & II
<b>BIOL4510</b>	Hong Kong Flora & Vegetation	<b>MBTE4033</b>	Methods in Molecular Biotechnology Lab
<b>BIOL4520</b>	Plant Metabolism and Metabolic Engineering	<b>MBTE4320</b>	Genetic Engineering
<b>LSCI2003</b>	Scientific Conduct and Bioethics	<b>MBTE4510</b>	Plant Biotechnology
<b>STAT3210</b>	Statistical Techniques in Life Sciences	<b>MBTE4530</b>	Microbial Biotechnology

\*Based on major study scheme applicable to students admitted in 2021-22

<sup>@</sup> Not include the [Faculty Package](#)