

**CURRICULUM FOR BACHELOR OF SCIENCE (BIOLOGICAL SCIENCES)  
WITH CN YANG SCHOLARS PROGRAMME\_ Internship  
(FIRST YEAR ADMISSION)  
AY2025 Intake Onwards**

Year of Study	SUMMARY OF ACADEMIC UNIT REQUIREMENT							
	Major Requirements			Interdisciplinary Collaborative Core			BDE	Total AU
	School Core	CNYSP-Core	MPE	CC	Professional Series	Care, Serve, Learn		
1	15	27	0	4	0	0	0	<b>46</b>
2	15	6	0	6	3	3	7	<b>40</b>
3	0	0	6	0	11	0	6	<b>23</b>
4	12	0	9	0	0	0	4	<b>25</b>
<b>Total</b>	<b>42</b>	<b>33</b>	<b>15</b>	<b>10</b>	<b>14</b>	<b>3</b>	<b>17</b>	<b>134</b>

**YEAR 1 SEMESTER 1**

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
CY1001	Cell	CNY-Core	3	CNYSP Courses
CY1101	Molecule	CNY-Core	4	
CY1308	Physics	CNY-Core	3	
CY1500	Introduction to Research	CNY-Core	2	
CY1601	Mathematics I	CNY-Core	4	
BS1016	Physiology	C	3	
CC0015	Health & Wellbeing	CC	2	
			<b>21</b>	

**YEAR 1 SEMESTER 2**

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
CY1007	Climate Change	CNY-Core	3	CNYSP Courses
CY1602	Mathematics II	CNY-Core	4	
BS1005	Biochemistry I	C	3	
BS1006	Principles of Genetics	C	3	
BS1007	Molecular and Cell Biology I	C	3	
BS1009	Introduction to Computational Thinking	C	3	
ML0004	Career Design & Workplace Readiness in the V.U.C.A World	CC	2	
			<b>21</b>	

**YEAR 1 SPECIAL SEMESTER**

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
CY2003	Research Attachment 3	CNY-Core	4	CNYSP Course
	Overseas Learning Trip			
			<b>4</b>	

**YEAR 2 SEMESTER 1**

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
CY0001	Writing Across the Disciplines	CNY-Core	3	CNYSP Course
BS5915	Undergraduate Research	BDE	IP	Course will be registered in Semester 2. Grades will be recorded at the end of Semester 2 2-semester long, course registered only in Sem 2
BS2002	Microbiology	C	3	
BS2003	Biochemistry II	C	3	
BS2028	Biophysical Methods applied to Biological Sciences	C	3	
BS0004	Introduction to Data Science	PS	3	
SP0061	Science & Technology for Humanity	CC	3	
	Tech-For-Good (T4G)	CSL	3	Replaces Care, Serve and Learn
			<b>21</b>	

**YEAR 2 SEMESTER 2**

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
CY0002	Ethics	CNY-Core	3	CNYSP Course
BS5915	Undergraduate Research	BDE	4	2-semester long, course registered only in Sem 2
BS1100	Molecular and Cell Biology Techniques Level 1	C	3	
BS2004	Molecular and Cell Biology II	C	3	
CC0006	Sustainability: Human, Social, Economics & Environment	CC	3	
XXXXXX	Broadening and Deepening Electives 1	BDE	3	
			<b>19</b>	

**YEAR 3 SEMESTER 1**

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
BS4227	Professional Internship	PS	10	
			<b>10</b>	

**YEAR 3 SEMESTER 2**

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
XXXXXX	School Major PE	MPE	3	
XXXXXX	School Major PE	MPE	3	<a href="#">Choose from Table A</a>
XXXXXX	Broadening and Deepening Electives 2	BDE	3	
XXXXXX	Broadening and Deepening Electives 3	BDE	3	
MLXXXX	Profession Preparation	PS	1	
			<b>13</b>	

**YEAR 3 SPECIAL SEMESTER & YEAR 4 SEMESTER 1**

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
CY4111	Overseas Final Year Project	C	12	CNYSP Course
			<b>12</b>	

**YEAR 4 SEMESTER 2**

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
XXXXXX	School Major PE	MPE	3	
XXXXXX	School Major PE	MPE	3	<a href="#">Choose from Table A</a>
XXXXXX	School Major PE	MPE	3	
XXXXXX	Broadening and Deepening Electives 4	BDE	4	
			<b>13</b>	
Total AU for Graduation :			<b>134</b>	