

**AY2023-24 CURRICULUM FOR BIOLOGICAL SCIENCES  
WITH CN YANG SCHOLARS PROGRAMME\_Internship  
(FIRST YEAR ADMISSION)**

Last Updated : 22-Jun-23

**SUMMARY OF ACADEMIC UNIT REQUIREMENT**

Year of Study	School Core	CNYS-SP-Core	MPE	CC	FC	BDE	Total AU
1	15	27	0	2	0	0	44
2	15	10	0	8	3	3	39
3	0	0	6	3	10	8	27
4	12	0	9	0	0	3	24
<b>Total</b>	<b>42</b>	<b>37</b>	<b>15</b>	<b>13</b>	<b>13</b>	<b>14</b>	<b>134</b>

**YEAR 1 SEMESTER 1**

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
CY1001	Cell	CNY-Core	3	CNYS-SP 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	
			<b>19</b>	

**YEAR 1 SEMESTER 2**

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
CY1007	Climate Change	CNY-Core	3	CNYS-SP 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	
CC0002	Navigating the Digital 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	CNYS-SP 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	CNYS-SP Course
CY1307	Quantum	BDE	3	Students can choose to opt out and replace with any other BDE course (3 AU)
BS2002	Microbiology	C	3	
BS2003	Biochemistry II	C	3	
BS2028	Biophysical Methods applied to Biological Sciences	C	3	
BS0004	Introduction to Data Science	FC	3	
SP0061	Science & Technology for Humanity	CC	3	
			<b>21</b>	

**YEAR 2 SEMESTER 2**

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
CY0002	Ethics	CNY-Core	3	CNYS-SP Course
CY2001	Research Attachment 1	CNY-Core	4	CNYS-SP Course 2-semester long, course registered only in Sem 2 (similar to URECA)
BS1100	Molecular and Cell Biology Techniques Level 1	C	3	

BS2004	Molecular and Cell Biology II	C	3	
ML0004	Career and Entrepreneurial Development for the Future World	CC	2	
CC0005	Healthy Living & Mental Wellbeing in an Aging Society	CC	3	
			<b>18</b>	

#### YEAR 3 SEMESTER 1

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

#### YEAR 3 SEMESTER 2

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
CC0006	Sustainability: Human, Social, Economics & Environment	CC	3	
XXXXXX	School Major PE (choose from Table A)	MPE	3	
XXXXXX	School Major PE (choose from Table A)	MPE	3	
XXXXXX	Broadening and Deepening Electives 1	BDE	3	
XXXXXX	Broadening and Deepening Electives 2	BDE	3	
XXXXXX	Broadening and Deepening Electives 3	BDE	2	
			<b>17</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 (choose from Table A)	MPE	3	
XXXXXX	School Major PE (choose from Table A)	MPE	3	
XXXXXX	School Major PE (choose from Table A)	MPE	3	
XXXXXX	Broadening and Deepening Electives 4	BDE	3	
			<b>12</b>	

Total AU for Graduation : **134**