

**CURRICULUM FOR BACHELOR OF SCIENCE (BIOLOGICAL SCIENCES)**  
**WITH CN YANG SCHOLARS PROGRAMME\_Internship**  
**SECOND MAJOR IN SUSTAINABILITY**  
**(FIRST YEAR ADMISSION)**  
**AY2025 Intake Onwards**

SUMMARY OF ACADEMIC UNIT REQUIREMENT								
Year of Study	Major Requirements			Interdisciplinary Collaborative Core			BDE	Total AU
	School Core	CNYSP-Core	MPE	CC	Professional Series	Care, Serve, Learn		
1	15	27 [3]	0	4	0	0	0	46 [3]
2	15	10	0	6	3	3	6	43
3	0	0	6	0	11	0	12	29
4	12	0	9	0	0	0	9	30
<b>Total</b>	<b>42</b>	<b>37 [3]</b>	<b>15</b>	<b>10</b>	<b>14</b>	<b>3</b>	<b>27</b>	<b>148 [3]</b>

[ ] AU of courses that could be used to fulfil Core/MPE requirement and second major requirement concurrently

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	Double-counted as Planet Core
CY1602	Mathematics II	CNY-Core	4	CNYSP Course
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
CY2001	Research Attachment 1	CNY-Core	IP	Course will be registered in Semester 2. Grades will be recorded at the end of Semester 2 2-semester long, course registered
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	
	Second Major Compulsory Course 2	BDE	3	<a href="#">Please see attached list of core courses to choose from</a>
	Tech-For-Good (T4G)	CSL	3	Replaces Care, Serve and Learn

			<b>24</b>	
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YEAR 2 SEMESTER 2				
Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
CY0002	Ethics	CNY-Core	3	CNYSP Course
CY2001	Research Attachment 1	CNY-Core	4	CNYSP 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	
	Second Major Compulsory Course 3	BDE	3	<a href="#">Please see attached list of core courses to choose from</a>
CC0006	Sustainability: Human, Social, Economics & Environment	CC	3	
			<b>19</b>	

YEAR 3 SEMESTER 1				
Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
BSXXXX	School Major PE	MPE	3	<a href="#">Choose from Table B</a>
BSXXXX	School Major PE	MPE	3	
	Second Major Compulsory Course 4	BDE	3	<a href="#">Please see attached list of core courses to choose from</a>
	Second Major Compulsory Course 5	BDE	3	
	Second Major Elective 1	BDE	3	<a href="#">Please see attached list of electives to choose from</a>
	Second Major Elective 2	BDE	3	
MLXXXX	Profession Preparation	PS	1	
			<b>19</b>	

YEAR 3 SEMESTER 2				
Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
BS4227	Professional Internship	PS	10	
			<b>10</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	<a href="#">Choose from Table A</a>
XXXXXX	School Major PE	MPE	3	
XXXXXX	School Major PE	MPE	3	
XXXXXX	Second Major Elective 3	BDE	3	<a href="#">Please see attached list of electives to choose from</a>
XXXXXX	Second Major Elective 4	BDE	3	
	Second Major Interdisciplinary Project	BDE	3	
			<b>18</b>	
Total AU for Graduation :			<b>148</b>	

^ These courses are double-counted towards both BS as well as the Second Major in Sustainability.

Compulsory Courses and Electives for Second Major in Sustainability	
<a href="https://www.ntu.edu.sg/ase/admissions/undergraduate-programmes/second-major-in-sustainability#Content_C002_Col00">https://www.ntu.edu.sg/ase/admissions/undergraduate-programmes/second-major-in-sustainability#Content_C002_Col00</a>	