

**AY2024-25 CURRICULUM FOR BIOLOGICAL SCIENCES
WITH CN YANG SCHOLARS PROGRAMME_Internship
SECOND MAJOR IN SUSTAINABILITY (BSSN)
(FIRST YEAR ADMISSION)**

Last Updated : 7-Nov-23

SUMMARY OF ACADEMIC UNIT REQUIREMENT

Year of Study	School Core	CNYSP-Core	MPE	CC	FC	BDE	Total AU
1	15	27	0	2	0	0	44
2	15	10	0	11	3	3	42
3	0	0	6	0	10	15	31
4	12	0	9	0	0	9	30
Total	42	37	15	13	13	27	147

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	
			19	

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	
CC0002	Navigating the Digital World	CC	2	
			21	

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			
			4	

YEAR 2 SEMESTER 1

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
CY0001	Writing Across the Disciplines	CNY-Core	3	CNYSP Course
BS2002	Microbiology	C	3	
BS2003	Biochemistry II	C	3	
BS2028	Biophysical Methods applied to Biological Sciences	C	3	New Core
BS0004	Introduction to Data Science	FC	3	
SP0061	Science & Technology for Humanity	CC	3	
	Second Major Compulsory Course 2	BDE	3	
			21	

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	
ML0004	Career and Entrepreneurial Development for the Future World	CC	2	
CC0005	Healthy Living & Mental Wellbeing in an Aging Society	CC	3	
CC0006	Sustainability: Human, Social, Economics & Environment	CC	3	
			21	

YEAR 3 SEMESTER 1

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
XXXXXX	School Major PE (choose from Table B)	MPE	3	
XXXXXX	School Major PE (choose from Table B)	MPE	3	
	Second Major Compulsory Course 3	BDE	3	
	Second Major Compulsory Course 4	BDE	3	
	Second Major Compulsory Course 5	BDE	3	
	Second Major Elective 1	BDE	3	List of electives to choose from
	Second Major Elective 2	BDE	3	
			21	

YEAR 3 SEMESTER 2

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

YEAR 3 SPECIAL SEMESTER & YEAR 4 SEMESTER 1

Course Code	Course Title	Type	AU	Pre-Requisite/Remarks
CY4111	Overseas Final Year Project	C	12	CNYS Course
			12	

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	
	Second Major Elective 3	BDE	3	List of electives to choose from
	Second Major Elective 4	BDE	3	
	Second Major Interdisciplinary Project	BDE	3	
			18	

Total AU for Graduation : **147****Compulsory Courses and Electives for Second Major in Sustainability**
https://www.ntu.edu.sg/ase/admissions/undergraduate-programmes/second-major-in-sustainability#Content_C002_Col00