

CN Yang Scholars Programme (BIE)

AY2022 - 2023 Intake onwards

Programme	Year of Study	Number of Academic Units (AU)						
		Major Requirement			Interdisciplinary		Broadening and Deepening Electives (BDE)	Total
		School Core (C)	CNYang Core (C)	Major PE (MPE)	Common Core (CC)	Foundational Core (FC)		
Bioengineering (CNYang)	1	6	27		5			38
	2	26	10		8			44
	3	21				5	3	29
	4	9		6		3	9	27
	Total	62	37	6	13	8	12	138

Category		AU	Total AU	
Interdisciplinary Collaborative Core (ICC)	Common Core (University-level)			
	CC0002 Navigating the Digital World	2	13	
	CC0005 Healthy Living & Wellbeing	3		
	CC0006 Sustainability: Society, Economy & Environment	3		
	CC0007 Science & Technology for Humanity	3		
	ML0004 Career and Entrepreneurial Development for the Future World	2		
	Foundational Core (College-level)			
	CB0494 Introduction to Data Science and Artificial	3	8	
	BG3885 Professional Attachment	5		
Major Requirement	BIE Core			
	EG1001	Engineers In Society	2	33
	CB1102	Engineering	1	
	BG1141	Fundamental Biology for Bioengineers	3	
	BG2103	Signal Processing in Biosystems	3	
	BG2104	Electronics for Biomedical Engineering	3	
	BG2110	Bioelectricity	3	
	BG2119	Anatomy and Physiology	6	
	BG2131	Biomaterials	3	
	BG2142	Biological Thermodynamics	3	
	BG2209	Mechanics for Bioengineers	3	
	BG2211	Introduction to Computational Thinking	3	

Major Requirement	BG2801	Bioengineering Lab 2A	3	66	
	BG2802	Bioengineering Lab 2B	3		
	BG3102	Control in Biosystems	1		
	BG3104	Biomedical Imaging	1		
	BG3105	Biomedical Instrumentation	3		
	BG3112	Biofluid Mechanics and Medical Devices	3		
	BG3801	Bioengineering Lab 3	3		
	BG4104	Machine Learning and Optimization for Bioengineers	1		
	BG4122	Medical Device Design	3		
	BG4211	CNYSP Overseas Final Year Project	8		
	CNYSP Core				
	CY0001	Writing Across the Disciplines	3		
	CY0002	Ethics	3		
	CY1001	Cell	3		
	CY1007	Living with Climate Change	3		
	CY1101	Molecule	4		
	CY1308	Physics	3		
	CY1500	Introduction to Research	2		
	CY1601	Mathematics I	4		
	CY1602	Mathematics II	4		
	CY2001	Research Attachment 1	4		
	CY2003	Research Attachment 3	4		
	BIE Major Prescribed Electives (MPE)				6
Broadening and Deepening Electives (BDE)			12		
Total			138		

**Suggested Study Plan for AY2022-2023 intake (CNYang)
with Professional Attachment**

22

21

1612

Year 1 Special Term			
CY2003	Research Attachment 3 (Making and Tinkering)	C	4
—	Overseas Learning Trip	—	—

23

Year 3 Special Term			
BG3885	Professional Attachment	FC	5

15

Total (AU)	138
-------------------	------------