

Major Requirement	CH2123	Chemical Thermodynamics	3	78		
	CH2151	Unit Operations A Chemical & Biomolecular Engineering Laboratory	3			
	CH2802	2B	2			
	CH3104	Biochemical Engineering	3			
	CH3109	Decision Tools for Business & Engineering	3			
	CH3111	Process Control and Dynamics	3			
	CH3121	Chemical, Biological & Plant Safety	2			
	CH3140	Unit Operations B Chemical & Biomolecular Engineering Laboratory	3			
	CH3802	5	3			
	CH4211	CNYSP Overseas Final Year Project	8			
	CH4801	Final Year Design 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			
	CBE Major Prescribed Electives (MPE)				6	
	Broadening and Deepening Electives (BDE)				3	
	Total				138	

B.Eng. (Chemical & Biomolecular Engineering)

Suggested Study Plan for AY2022-2023 intake (CNYang)

with Professional Attachment**Year 1 Semester 1**

Course	Type	AU
CB1102	Introduction to Chemical and Biomedical Engineering	C 1
CB1131	Introduction to Biomolecular Engineering	C 3
CY1001	Cell	C 3
CY1101	Molecule	C 4
CY1308	Physics	C 3
CY1500	Introduction to Research	C 2
CY1601	Mathematics 1	C 4
CC0002	Navigating the Digital World	CC 2

22**Year 2 Semester 1**

Course	Type	AU
CH2103	Fluid Systems	C 3
CH2107	Introduction to Computational Thinking	C 3
CH2108	Thermodynamics	C 3
CH2010	Engineering Statistics	C 3
CY0002	Ethics	C 3
CC0006	Sustainability: Society, Economy & Environment	CC 3
ML0004	Career and Entrepreneurial Development for the Future World	CC 2

20**Year 3 Semester 1**

Course	Type	AU
CH3104	Biochemical Engineering	C 3
CH3109	Decision Tools for Business & Engineering	C 3
CH3111	Process Control and Dynamics	C 3
CH3121	Chemical, Biological & Plant Safety	C 2
CH3140	Unit Operations B	C 3
CH3802	Chemical & Biomolecular Engineering Laboratory 5	C 3

17**Year 4 Semester 1**

Course	Type	AU
CH4801	Final Year Design Project	C 4
	CBE PE1	MPE 3
	BDE 1	BDE 3

10**Year 1 Semester 2**

Course	Type	AU
CB1103	Organic Chemistry For Engineers	C 3
CH1104	Materials & Energy Balance	C 3
EG1001	Engineers in Society	C 2
CY1007	Living with Climate Change	C 3
CY1602	Mathematics II	C 4
CC0005	Healthy Living & Wellbeing	CC 3

Year 1 Special Term

CY2003	Research Attachment 3 (Making and Tinkering)		4
–	Overseas Learning Trip	–	–

22**Year 2 Semester 2**

Course	Type	AU
CH2112	Chemical Reaction Engineering	C 3
CH2114	Heat & Mass Transfer in Chemical and Biological Systems	C 3
CH2123	Chemical Thermodynamics	C 3
CH2151	Unit Operations A	C 3
CH2802	Chemical & Biomolecular Engineering Laboratory 2B	C 2
CY0001	Writing Across The Disciplines	C 3
CY2001	Research Attachment 1	C 4
CC0007	Science & Technology for Humanity	CC 3

24**Year 3 Semester 2**

Course	Type	AU
CH4211	CNYSP Overseas Final Year Project	C 8

Year 3 Special Term

CH3885	Professional Attachment	FC	5
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13**Year 4 Semester 2**

Course	Type	AU
CH4801	Final Year Design Project	C 4
CB0494	Introduction to Data Science and Artificial Intelligence	FC 3
	CBE PE2	MPE 3

10**Total (AU)****138**