

**Curriculum for CN Yang Scholars Programme
Environmental Engineering
(For AY2020-21 intake)**

Course Type	AU
Core Courses	115
Major Prescribed Electives	9
GER-Core	19
Total	143

Year 1 Semester 1	Course Code	Course Title	Type	AU
	CY1001	Introductory Biology	Core	3
	CY1101	Principles of Modern Chemistry	Core	3
	CY1308	Physics	Core	3
	CY1500	Introductory Research Methodology	Core	3
	CY1601	Mathematics I	Core	4
	CV1011	Mechanics of Materials (Engineering Fundamentals 1)	Core	4
				Total AUs

Year 1 Semester 2	Course Code	Course Title	Type	AU
	CY1007	Climate Change	Core	3
	CY1307	Relativity and Quantum Physics	Core	3
	CY1400	CNYSP Undergraduate Research Experience	Core	3
	CY1602	Mathematics II	Core	4
	CV1012	Fluid Mechanics	Core	3
	CV1014	Introduction to Computational Thinking	Core	3
	-	Engineering Fundamentals 2	Core	3
			Total AUs	22

Year 1 Special Term	Course Code	Course Title	Type	AU
	CY2003	Research Attachment 3 (Making & Tinkering)	Core	4
	Overseas Learning Trip			
			Total AUs	4

Year 2 Semester 1	Course Code	Course Title	Type	AU
	CY2001	Research Attachment 1	Core	4
	CY0002	Ethics	GER-Core	3
	CV2011	Structural Analysis I	Core	3
	CV2020	Water Resources Engineering	Core	3
	EN1001	Environmental Chemistry	Core	3
	EN2004	Soil Mechanics	Core	3
	EN2711	Environmental Engineering Laboratory A	Core	1
	CV0003	Introduction To Data Science and Artificial Intelligence	GER-Core	3
			Total AUs	23

Year 2 Semester 2	Course Code	Course Title	Type	AU
	CY0001	Writing Across the Disciplines	GER-Core	3
	CV1711	Engineering Drawing and 3D Building Information Modelling	Core	1
	EG0001	Engineers & Society	GER-Core	3
	EN2002	Environmental Biology and Microbiology	Core	3
	EN2003	Water Supply Engineering	Core	3
	EN2712	Environmental Engineering Laboratory B	Core	1
	EN3003	Environmental Transport Processes	Core	3

	ML0003	Kickstart Your Career Success	GER-Core	1
			Total AUs	18

Year 3 Semester 1	Course Code	Course Title	Type	AU
	CV4011	Project Planning & Management	Core	3
	MH2814	Probability and Statistics	Core	3
	EN3001	Solid & Hazardous Waste Management	Core	3
	EN3002	Wastewater Engineering	Core	3
	EN3004	Air Pollution Control Engineering	Core	3
	EN3006	Energy Resource Engineering	Core	3
	EN4001	Environmental Impact Analysis & Monitoring	Core	3
	EN4711	Seminars & Site Visits	Core	1
	CY0006	Enterprise, Innovation and Leadership	GER-Core	3
			Total AUs	25

Year 3 Semester 2	Course Code	Course Title	Type	AU
	EN0002	Environmental Issues and Sustainability	GER-Core	3
	EN4XXX	Major Prescribed Elective	Major PE	3
	EN4XXX	Major Prescribed Elective	Major PE	3
			Total AUs	9

Year 3 Special Term	Course Code	Course Title	Type	AU
	EN3915	Professional Attachment	Core	5
			Total AUs	5

Year 4 Semester 1	Course Code	Course Title	Type	AU
	EN4211	CNYSP Overseas Final Year Project	Core	8
			Total AUs	8

Year 4 Semester 2	Course Code	Course Title	Type	AU
	EN4002	Environmental Systems Analysis	Core	3
	EN4912	Integrated Design Project	Core	3
	EN4XXX	Major Prescribed Elective	Major PE	3
			Total AUs	9
			GRAND TOTAL	143