Environmental Engineering

AY2024 cohort

Accurate as of May 2024

E-Scholars 3-years schedule (ENV)			
Semester 0 (APT)			
EG1311 Design and Make			4
MA1505 Mathematics I (4 units. It is mapped to MA1511 which is 2 units, + 2 units to UE)			4
CS1010E Programming Methodology			4
Sub-total			12
Semester 1		**Semester 2**	
GER1000 Quantitative Reasoning	4	MA1512 Differential Equations for Engineering	2
DTK1234 Design Thinking	4	ESE2102 Principles & Practice in Environmental Monitoring	4
MA1513 Linear Algebra with Differential Equations	2	ESE3101 Resource Management and Circular Economy	4
ESE2101 Environmental Engineering Principles & Practices	4	ESE3301 Microbiology in Natural and Built Environment	4
PF1101 Fundamentals of Project Management	4	UTCP #2	4
CE2407A Engineering Uncertainty Analysis	2	UE (or IE2141 if not staying at RC4)	4
UTCP #1	4	UE	4
Sub-total	24	**Sub-total**	26
Semester 3		**Semester 4**	
ESE2001 Environmental Challenges in the Anthropocene	4	NUS Overseas College (NOC) experience (20 units)*	20
ESE3201 Air Quality in Changing Environment	4		
ESE3401 Sustainable Urban Water Technology	4		
ESE2000 Chemistry for An Environmentally Sustainable Future	4		
EE2211 Introduction to Machine Learning	4		
UTCP #3	4		
CDE2501 Liveable Cities	4		
Sub-total	28	**Sub-total**	20
Semester 5		**Semester 6**	
ESE4502R B. Eng. Dissertation OR ESE4501 Design Project	4	ESE4502R B. Eng. Dissertation OR ESE4501 Design Project	4
Technical Elective	4	Technical Elective	4
UTCP #4	4	UE	4
CDE2000 Creating Narratives	4	UE	4
UE	4	UE	4
UE	4	UE	4
UE*	2		
Sub-total	26	**Sub-total**	24
		Grand total	160

Notes:

1. If APT courses are not cleared, those courses must be cleared during the normal semesters

2. Important rules for NOC:
- You MUST be on campus the semester BEFORE going to NOC.
- You MUST have cleared at least 70 units before applying to NOC

3. *If not embarking on NOC, alternate module combinations to fulfil Industrial Attachment requirement (10 units) include:
a) EG3611A Industrial Attachment (10 units)
b) EG3612 Vacation Industrial Attachment (6 units) + EG2605 Undergraduate Research Opportunity (4 units)
c) EG3612 Vacation Industrial Attachment (6 units) + CFG2101 NUS Vacation Internship Programme (4 units) Note that EG3612 and EG3611A can be done as long as you have cleared 60 units.
d) EG2401A Engineering Professionalism (2 Units)
Note that UROP (EG2605) may be taken in any regular semester or special term as long as you are at seniority 2.

4. If you wish to read Common Curriculum courses before your department's recommended semester, please submit an appeal or select the courses from Roun
- courses that may be selected from Round 2: PF1101, CDE2501, ES2631 (if not doing UTCP)
- courses that require appeal: EG2401A, DTK1234, GEA1000, EG1311, CDE2000, EE2211, IE2141 (if not staying in RC4) Please refer to the CDE common curriculum wiki for more info on common course pre-allocation and registration issues.
https://wiki.nus.edu.sg/display/eng/Pre-allocation+and+Registration+for+Common+Courses+in+CDE