

Environmental & Sustainability Engineering

AY2026 cohort (Jul 2026)

E-Scholars 3-years schedule (ESE)					
Maths requirement (8u). If passed MA1505 APT -> MA1505 + MA1512 + MA1513 Else MA1511+CE2407A+MA1512+MA1513			Internship requirement (10u). EG3611A Industrial Attachment EG3612/ETP3205 + CDE2605 EG3612/ETP3205 + CDE2605R EG3612/ETP3205 + CFG2101 1 sem NOC (~20u)		
Semester 1		Units	Semester 2		Units
GEA1000 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	ESE3301 Microbiology in Natural and Built Environment		4
PF1101A Fundamentals of Project Management and Finance		4	UTCP #2		4
ESE2101 Environmental Engineering Principles & Practices		4	UE		4
UTCP #1		4	UE		4
UE		4	UE		4
Sub-total		26	Sub-total		26
Semester 3		Units	Semester 4		Units
ESE2001 Environmental Challenges in the Anthropocene		4	ESE3101 Resource Management and Circular Economy		4
ESE3201 Air Quality in Changing Environment		4	ESE Technical Elective		4
ESE3401 Sustainable Urban Water Technology		4	ESE Technical Elective		4
ESE2000 Chemistry for An Environmentally Sustainable Future		4	EG2401A Engineering Professionalism		2
CE2134 Fluid Mechanics		4	UTCP #4		4
EE2211 Introduction to Machine Learning <i>or</i>		4	UE		4
EE2213 Introduction to Artificial Intelligence		4	UE		4
UTCP #3		4			
Sub-total		28	Sub-total		26
Semester 5		Units	Semester 6		Units
ESE4502R B. Eng. Dissertation		4	ESE4502R B. Eng. Dissertation		4
ESE4501R Design Project		4	ESE4408 Environmental Impact Assessment		4
UE		4	UE		4
UE		4	UE		4
Sub-total		16	Sub-total		16
Grand total				160	

Notes:

- If APT courses are not cleared, those courses (EG1311, MA1511, MA1505, CS1010E) must be cleared during the normal semesters
- Special internship course enrollment arrangement for E-Scholars - EG3612 and EG3611A can be enrolled as long as you have cleared 60 units.
- Important rules for NOC:
 - You MUST be in Singapore for Visa processing the semester BEFORE going to NOC.
 - You MUST have cleared at least 70 units before applying to NOC
- Note that UROP (CDE2605) may be taken in any regular semester or special term as long as you are at seniority 2.
- If you wish to read Common Curriculum courses before your department's recommended semester, please submit an appeal or select the courses from Round 2.
 - courses that require appeal: DTK1234, GEA1000, please email:
 DTK1234 - dtk1234@nus.edu.sg
 GEA1000 - qadmin@nus.edu.sg