

Civil Engineering

AY2024 cohort

Accurate as of May 2024

E-Scholars 3-years schedule (CVE)		
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	CE2155 Principles of Structural Mechanics and Materials
DTK1234 Design Thinking	4	CE3115 Stability of Slopes and Earth Retention Systems
MA1513 Linear Algebra with Differential Equations	2	CE2407B Introduction to Numerical Methods for Engineers
CE1103 Principles of Structural and Geotechnical Engineering	4	UTCP #2
PF1101 Fundamentals of Project Management	4	UE
CE2407A Engineering Uncertainty Analysis	2	UE (or IE2141 if not staying at RC4)
UTCP #1	4	
Sub-total	24	Sub-total
Semester 3		Semester 4
CDE2501 Liveable Cities	4	NUS Overseas College (NOC) experience (20 units)*
CE2134 Fluid Mechanics	4	
CE3121 Urban transportation engineering	4	
CE3165 Concrete Design for Urban Infrastructure	4	
CE3155A Structural Behaviour	2	
CE3155B Structural Modelling	2	
EE2211 Introduction to Machine Learning	4	
UTCP #3	4	
Sub-total	28	Sub-total
Semester 5		Semester 6
CE4103R Design Project OR CE4104 B.Eng.Dissertation	8	CE3116 Foundation Systems for Urban Infrastructure
UTCP #4	4	CE3132 Hydrology and Free Surface Flows
CDE2000 Creating Narratives	4	CE3166 Steel Design for Urban Infrastructure
UE	4	UE
UE	4	UE
UE	4	UE
		UE*
Sub-total	28	Sub-total
		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

- 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>