

Civil Engineering

AY2025 cohort

Accurate as of July 2025

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	
GEA1000 Quantitative Reasoning with Data*	4 CE2155 Principles of Structural Mechanics and Materials	4
DTK1234 Design Thinking	4 EE2211 Introduction to Machine Learning or EE2213 Introduction to Artificial Intelligence	4
MA1513 Linear Algebra with Differential Equations	2 CE2407B Introduction to Numerical Methods for Engineers	2
CE1109 Structural Engineering Principles	4 Sustainable/ Environmental Elective	4
PF1101A Project Management and Finance	4 UTCP #2	4
CE2407A Engineering Uncertainty Analysis	2 UE	4
UTCP #1	4	
Sub-total	24	Sub-total 22
Semester 3	Semester 4	
CE2134 Fluid Mechanics	4	NUS Overseas College (NOC) experience (20 units)*
CE3121 Urban transportation engineering	4	
CE2112 Soil Mechanics	4	
CE3155A Structural Behaviour	2	
CE3155B Structural Modelling	2	
CE3165 Concrete Design for Urban Infrastructure	4	
UTCP #3 (Replaces CDE 2501)	4	
UE	4	
Sub-total	28	Sub-total 20
Semester 5	Semester 6	
CE4104 B.Eng.Dissertation	4 CE3116 Foundation Systems for Urban Infrastructure	4
CE4103R Design Project	4 CE3132 Hydrology and Free Surface Flows	4
UTCP #4	4 CE3166 Steel Design for Urban Infrastructure	4
UE	4 CE4104 B.Eng.Dissertation	4
UE	4 CE3115 Stability of Slopes and Earth Retention Systems	4
UE	4 UE	4
UE	4 UE*	2
Sub-total	28	Sub-total 26
Grand total		160

Notes:

1. If APT courses are not cleared, those courses (EG1311, MA1511, CS1010E) must be cleared during the normal semesters

2. 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

3. *If not embarking on NOC, alternate course combinations to fulfil Industrial Attachment requirement (10 units) include:

a) EG3611A Industrial Attachment (10 units)

b) EG3612 Vacation Industrial Attachment / ETP3205 Innovation & Enterprise Internship (6 units) + CDE2605 Undergraduate Research Opportunity (4 units)

c) EG3612 Vacation Industrial Attachment / ETP3205 Innovation & Enterprise Internship (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) EG3612 Vacation Industrial Attachment / ETP3205 Innovation & Enterprise Internship (6 units) + CDE2605R Undergraduate Research Experience (4 units)

Note that UROP (CDE2605) 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 Round 2.

- courses that require appeal: DTK1234, GEA1000, please email:

DTK1234 - dtk1234@nus.edu.sg

GEA1000 - qradmin@nus.edu.sg