

Civil Engineering

AY2021 cohort

E-Scholars 3-years schedule (CVE)			
Semester 0 (APT)			
EG1311 Design and Make			4
MA1505 Mathematics I (4 MC but it is mapped to MA1511 which is 2 MC)			4
CS1010E Programming Methodology			4
Sub-total			12
Semester 1	Semester 2		
GER1000 Quantitative Reasoning	4	CE2155 Principles of Structural Mechanics and Materials	4
DTK1234 Design Thinking	4	CE3115 Stability of Slopes and Earth Retention Systems	4
MA1513 Linear Algebra with Differential Equations	2	CE2407B Introduction to Numerical Methods for Engineers	2
CE1103 Principles of Structural and Geotechnical Engineering	4	EG2101 Pathways to engineering Leadership	2
PF1101 Fundamentals of Project Management	4	UE (or IE2141 if not staying at RC4)	4
CE2407A Engineering Uncertainty Analysis	2	UTCP #2	4
UTCP #1	4	UE	4
Sub-total	24	Sub-total	24
Semester 3	Semester 4		
EG2501 Liveable Cities	4	Three options: 1. NOC experience (20 MC) mappable to EG3611A (10 MC) + 10 MCs UE 2. EG3611A (10 MCs) + EG3611B (2 MCs) + 8 MCs UE 3. EG3612 (Vacation Industrial Attachment) + EG2605 (Undergraduate Research Opportunity, UROP) + 10 MC UE Note that option 2 can be done in Semester 3 as well Note that, for option 3, UROP can be done in Semester 3 as well.	20
CE2134 Fluid Mechanics	4		
EE2211 Introduction to Machine Learning	4		
CE3121 Urban transportation engineering	4		
CE3165 Concrete Design for Urban Infrastructure	4		
CE3155A Structural Behaviour	2		
CE3155B Structural Modelling	2		
UTCP #3	4		
Sub-total	28	Sub-total	20
Semester 5	Semester 6		
CE4103R Design Project OR CE4104 B.Eng.Dissertation	8	CE3116 Foundation Systems for Urban Infrastructure	4
UTCP #4	4	CE3132 Hydrology and Free Surface Flows	4
Xxxx Creating Narratives	4	CE3166 Steel Design for Urban Infrastructure	4
UE	4	UE	4
UE	4	UE	4
UE	4	UE	4
Sub-total	28	Sub-total	24
			Grand total
			160

Notes:

1. If APT modules are not cleared, those modules 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 MC before applying to NOC