

RECOMMENDED STUDY SCHEDULE for CEG AY2025 INTAKE

CEG AY2025/26 Direct Intake (with Industrial Attachment in Year 3)

Sem 1	Sem 2	Sem 3	Sem 4	Sem 5 [^]	Sem 6	Sem 7	Sem 8
CG1111A EPP1	CG2111A EPP2	CS2040C Data Structures & Algorithms	CG2023 Signals & Systems	CP3880 ATAP (12 units) OR EG3611A IA (10 units)	CG2027 (2 units) and CG2028 (2 units)	CG4002 CEG Capstone Project (8 units) OR FYP (over 2 sem) via CG4001 / CP4106 / EE4002R/EE4002D	FYP OR UE6 (if took CG4002 to fulfil Integrated Proj)
CS1010 Programming Methodology	CS1231 Discrete Structures	CS2107 Introduction to Information Security	CS2113 Software Engrg & OOP		CG3201 Machine Learning & Deep Learning		UE7 OR FYP via CG4001
EG1311 Design and Make	DTK1234 Design Thinking	EE2026 Digital Design	CG2271 RTOS		PF1101A Project Management & Finance	CG3207 Computer Architecture	UE8
MA1511 Engrg Calculus (2 units)	MA1508E Linear Algebra for Engrg	GEC1xxx Cultures and Connections	EE2211 Intro to Machine Learning OR EE2213 Intro to AI	EG2401A Engrg Profsm (2 units)	CDE2501 Liveable Cities (SS pillar)	EE4204 Computer Networks	UE9
MA1512 Diff Eqn for Engrg (2 units)	GEA1000 Data Literacy	ES2631 Critique and Communication of Thinking and Design	UE2	C&E pillar (2 units)	C&E pillar (2 units)	UE5	UE10
ES1103* OR UE1				UE3 (2 units, if took ATAP)	UE4 e.g. ST2334	UE6 (if took FYP to fulfil Integrated Proj)	
20 units	20 units	20 units	20 units	18 units	22 units	20 units	20 units
TOTAL (MINIMUM) GRADUATION REQUIREMENTS = 160 units							

[^]Students on Industrial Attachment (IA) are allowed to take (up to) 20 units workload, including course that are offered in the evenings (subject to approvals and availability). Depending on the preferred semester for IA, the course for sem 5 & 6 may be mutually swapped. Students who prefer not to/are unable to take evening course(s) during IA, should take course(s) in the Special Terms (so as not to delay graduation).

Important:

- The two **General Elective Courses (GE)** and ten **Unrestricted Elective Courses (UE)** can be taken in any semester; the above serves as a guide
- Students are encouraged to use the UEs, totalling 40 units, to fulfil Specialisation (SPN) / Technical Elective (TE) / 2nd Major / Minor, etc. You will need to plan in advance and fulfil the pre-requisite(s) of the courses required for your intended SPN / TE / 2nd Major / Minor.

* If not exempted.