

# RECOMMENDED STUDY SCHEDULE for CEG AY2024 INTAKE

**CEG AY2024/25 Direct Intake (with 6-months Industrial Attachment in Year 3) \*As at 6 June 2025**

Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8
CG1111A EPP1	CG2111A EPP2	CS1234 Discrete Structures EE2026 Digital Design	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/D	UE6
CS1010 Programming Methodology	DTK1234 Design Thinking	CS2040C Data Structures & Algorithms	CS2113 Software Engrg & OOP		CG2271 RTOS		UE7 OR FYP via CG4001/CP4106/EE4002R/D- 2 or 4 units
EG1311 Design and Make	MA1508E Linear Algebra for Engrg	GEC1xxx Cultures and Connections	EG2501(recoded to CDE2501) Liveable Cities CS1231 Discrete Structures		CDE2000 Creating Narratives *CG3201 Machine Learning & Deep Learning	EE4204 Computer Networks	UE8
MA1511 Engrg Calculus (2 Units)	PF1101/A Fundamentals of Project Mgmt	IE2144 Systems Thinking *CS2107 Introduction to Information Security	EE2211 Introduction to Machine Learning	EG2401A Engrg Profsm (2 Units)^	CDE2501 Liveable Cities (SS pillar)	GEN/C&E pillar Communities & Engagement	UE9
MA1512 Diff Eqn for Engrg (2 Units)	GEA1000 Quantitative Reasoning with Data or Equivalent	ES2631 Critique and Communication of Thinking and Design	EE2026 Digital Design UE2	UE3^	UE5 e.g. ST2334	UE5 *CG3207 Computer Architecture	UE10
ES1103* OR UE1				UE4^ (2 Units, if took ATAP)		UE/GE (if read CG4001/CP4106/EE4002R/D)- 2 or 4 units	
20 Units	20 Units	20 Units	20 Units	20 Units	20 Units	20 Units	20 Units
<b>TOTAL (MINIMUM) GRADUATION REQUIREMENTS = 160 Units</b>							

^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:

\*AY2024/2025 cohort must complete 12 additional units of technical courses (TC) due to curriculum change. Students may take the additional technical course in lieu of the Systems Thinking pillar, Creating Narratives pillar & Sustainable Futures pillar. CDE2501 will be read towards the Singapore Studies pillar (if you have not taken any GESS course). Refer to the [FAQ](#) for more details.

1 Students who do not meet the pre-requisite of ES2631 should take ES1103. Refer to <http://www.nus.edu.sg/registrar/academic-activities/registration/academic-related-matters/qet> for more details. ES1103 can be used to fulfil UE requirements.

- The three 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, in order to fulfil the pre-requisite(s) of the courses required for your intended SPN / TE / 2nd Major / Minor.

\* If not exempted.