

RECOMMENDED STUDY SCHEDULE for CEG AY2025 INTAKE

CEG AY2025/26 Direct Intake (with 6-months 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 | 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 (if took 8 units of Integrated Project OR FYP via CG4001) |
| CS1010 Programming Methodology | DTK1234 Design Thinking | CS2040C Data Structures & Algorithms | CS2113 Software Engrg & OOP | | PF1101A Project Management & Finance | | UE7 OR FYP via CG4001/CP4106/EE4002R/D |
| EG1311 Design and Make | MA1508E Linear Algebra for Engrg | GEC1xxx Cultures and Connections | CG2271 RTOS | | CG3201 Machine Learning & Deep Learning | EE4204 Computer Networks | UE8 |
| MA1511 Engrg Calculus (2 Units) | CS1231 Discrete Structures | CS2107 Introduction to Information Security | EE2211 Introduction to Machine Learning | EG2401A Engrg Profsm (2 Units)^ | CDE2501 Liveable Cities (SS pillar) | CG3207 Computer Architecture | 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 | | |
| 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 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.