

# RECOMMENDED STUDY SCHEDULE for CEG AY2025 INTAKE

## CEG AY2025/26 Poly Intake (with optional 3-month internship)

Sem 1	Sem 2	Sem 3	Sem 4	May – Jul	Sem 5	Sem 6
CG1111A EPP1	CG2111A EPP2	CS2107 Intro to Info Security	CG2023 Signals & Systems	CP3200 Student Internship Programme OR EG3612 Vacation Industrial Attachment 6 units (UE)	CG4002 CEG Capstone Project (8 units) OR FYP (over two sems) via CP4106 / EE4002R/D	CG3201 Machine Learning and Deep Learning
CS1010 Programming Methodology	CS1231 Discrete Structures	CS2113 Software Engrg & OOP	CG2027 Transistor-level Digital Circuits (2 units)			CDE2501 Liveable Cities
MA1301 Introductory Math (UE1)	CS2040C Data Structures & Algorithms	EE2026 Digital Design	CG2028 Computer Organization (2 units)		CG3207 Computer Architecture	EE4204 Computer Networks
ES1103* OR PC1201 Fundamentals of Physics (UE2)	GEA1000 Data Literacy	ES2631 Critique & Comm of Thinking & Design	CG2271 RTOS		C&E pillar Communities & Engagement	PF1101A Project Management and Finance
GEC1xxx Cultures and Connections	MA1508E Linear Algebra for Engrg	MA1511 Engrg Calculus (2 units)	EE2211 Intro to Machine Learning OR EE2213 Intro to AI		EG2401A Engrg Profsm (2 units)	FYP OR UE5 (if took CG4002)
		MA1512 Diff Eqn for Engrg (2 units)	UE3 or PC1201 (if not exe from ES1103)		UE4 e.g. ST2334	
					UE5 (if took FYP)	
20 units	20 units	20 units	20 units		22 units	20 units
TOTAL (MINIMUM) GRADUATION REQUIREMENTS = 160 units <sup>#</sup>						

<sup>#</sup> including Advanced Placement Credits (APCs) for DTK1234, EG1311, IA (10 units) and UE (20 units)

### Important:

- Poly students are required to take MA1301 (if not exempted) as bridging Math and PC1201 as bridging Physics.
- Poly students who are exempted from MA1301, will take MA1511 and MA1512 in place, AND will need to take additional UE (to make up the 4 units shortfall).
- Students are encouraged to use the Unrestricted Elective Courses (UE) to read CEG Technical Elective (TE) / Specialisation (SPN) / Minor. You will need to plan in advance, to fulfil the pre-requisite(s) of the courses required for your intended TE / SPN / Minor.
- \* If not exempted.