

POSSIBLE SCHEDULE FOR EE AY2023/24 INTAKE STUDENTS (Non-Poly)

As at 3 June 2025

AY23/24, S1	AY23/24, S2	AY24/25, S1	AY24/25, S2	AY25/26, S1	AY25/26, S2	AY26/27, S1	AY26/27, S2
Schedule I	Schedule II	Schedule III	Schedule IV	Schedule V or VI	Schedule VI or V	Schedule VII	Schedule VIII
Maker Space (EG1311 Design & Make)	Design Thinking (DTK1234 Design Thinking)	*Systems Thinking (IE2141 Systems Thinking & Dynamics)	Artificial Intelligence (EE2211 Introduction to Machine Learning Pre-Req: CS1010E, MA1511, MA1508E)	EG2401A (2 units) Engineering Professionalism [Pre-Req: ES2531]	- Industrial Attachment (10 units) - up to 2 evening courses (e.g. UE 3 & UE 4)	EE4002D / EE4002R Design / Research Capstone	EE4002D / EE4002R Design / Research Capstone
Digital Literacy (CS1010E Programming Methodology)	Project Management (PF1101 / PF1101A Project Management and Finance)	Critique & Expression [ES2631 Critical Thinking & Writing Pre-Req: ES1103]	*Sustainable Futures (CDE2501 Liveable Cities)	PC2020 Electromagnetics for Electrical Engineers [Pre-Req: MA1511 + MA1512] [If not done in Year 2]		TECHNICAL ELECTIVE	TECHNICAL ELECTIVE
MA1511 Engineering Calculus (2 units) MA1512 Differential Equations for Eng (2 units)	MA1508E Linear Algebra for Engineers	EE2026 Digital Design OR EE2028 Microcontroller Programming and Interfacing	*Creating Narratives [CDE2000]	GE Course 5 / SPN / TE / Minor / UEM OR EE2012 Analytical Methods in ECE [Pre-Req: MA1511 + MA1512] [If not done in Year 2]		*Technical Course 2 / EE3033/EE3xxxC] as UE 5 (if you have passed GESS)	SPN / TE / Minor / UE 8
GE Course 4 ES1103 ¹	Data Literacy (GEA1000 Quantitative Reasoning)	EE2023 Signals & Systems [Pre-Req: MA1512]	EE2027 Electronics Circuits [Pre-Req: EE2111A]	*Technical Course 1 / [e.g. ^EE2026 / ^EE2028 / EE3xxxC] as UE 1 ^whichever not done to fulfil the Major Requirements		SPN / TE / Minor / UE 6	SPN / TE / Minor / UE 9
EE1111A Electrical Engineering Principles & Practice I	EE2111A Electrical Engineering Principles & Practice II	*SPN Pre-req core courses: e.g. EE2012 or PC2020 OR SPN / TE / Minor / UE / GE Course 5	EE2022 Electrical Energy Systems [Pre-Req: EE2111A]	*GE Course 6 (If not passed GESS but done CDE2501, no need to take GESS, take Technical Course 2 in lieu of SF pillar)		GE Course OR SPN / TE / Minor / UE 7	GE Course OR SPN / TE / Minor / UE 10 (for those done ES1103 in S1, do GE if you have not fulfilled all 6 GE courses)
				SPN / TE / Minor / UE 2			
20 units	20 units	20 units	20 units	22 units	18 units	20 units	20 units

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/get> for more details. ES1103 can be used to fulfil UE requirements.

*SPN (Specialization) Pre-Requisites: Students may bring forward their EE2 core courses to Year 2. E.g. to fulfil Specialization, minor in DE, or need EE2 core as pre-requisites to higher level TEs in Year 3.

NOTE:

*AY2023/2024 Non-Poly cohort must complete 8 additional units of **Technical Courses (TC)** due to curriculum change. Technical courses may be taken in lieu of Systems Thinking, Creating Narratives and Sustainable Futures Pillars of the Common Curriculum. If you do not have sufficient space in these three pillars you will need to use your Unrestricted Electives to read the additional technical courses.

^GE Course 6: For those not done GESS but passed CDE2501, CDE2501 will be read towards the Singapore Studies pillar (no need to take GESS course), you may take 1 TC (e.g. EE3xxxC) in lieu of Sustainable Futures pillar. Please plan your own study plan.

- **Common Curriculum:** CDE common curriculum (denote by courses in grey, 36units) + **NUS General Education** (denote by courses in blue, 24 units: CS1010E, ES2631, GEA1000 & 3 other GE courses; GESS, GEC, GEN course), total 60 units.
- **Unrestricted Electives (UE):** denote by courses in orange (courses can be used to fulfil SPN(Specialization)/ Technical electives(TE)/ 2nd major/ Minor, etc), total: 40units. Students need to plan in advance to fulfil the pre-req of the courses for their SPN/TE/2nd Major/minor).
- **Major Requirements:** Engineering Core, denote by courses in purple (20units) & EE Core/Major, denote by courses in green (40units), total: 60units.
- Students may opt to do Special Term (ST) courses to reduce workload in regular sem. ST fees applies. Details at <https://www.nus.edu.sg/registrar/academic-activities/special-term>
- The above is just a Recommended Schedule. Students should check that they fulfil their graduation requirement using the **FFG Checklist** and may adjust their study plan accordingly.