

POSSIBLE SCHEDULE FOR EE AY2022/23 INTAKE STUDENTS (Non-Poly)

AY22/23, S1	AY22/23, S2	AY23/24, S1	AY23/24, S2	AY24/25, S1	AY24/25, S2	AY25/26, S1	AY25/26, S2
Schedule I	Schedule II	Schedule III	Schedule IV	Schedule V	Schedule VI	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 (2MC) Engineering Professionalism [Pre- Requisite: ES2531]	- Industrial Attachment (10MCs) - up to 2 evening modules (e.g. UEM 3 & UEM 4)	EE4002D / EE4002R Design / Research Capstone	EE4002D / EE4002R Design / Research Capstone
Digital Literacy (CS1010E Programming Methodology)	Project Management (PF1101 Fundamentals of Project Management)	Critique & Expression [ES2631 Critical Thinking & Writing Pre-Requisite: ES1103]	Sustainable Futures (EG2501 Liveable Cities)	PC2020 Electromagnetics for Electrical Engineers [Pre- Req: MA1511 + MA1512] [If not done]		TECHNICAL ELECTIVE	TECHNICAL ELECTIVE
MA1511 Engineering Calculus (2 MCs) MA1512 Differential Equations for Eng (2 MCs)	MA1508E Linear Algebra for Engineers	EE2026 Digital Design OR EE2028 Microcontroller Programming and Interfacing	Creating Narratives [CDE2000]	GE Module 5 / SPN / TE / Minor / UEM OR EE2023 Signals & Systems [Pre-Requisite: MA1512] [If not done]		SPN / TE / Minor / UEM 5	SPN / TE / Minor / UEM 8
GE Module 4 ES1103 ¹	Data Literacy (GEA1000 Quantitative Reasoning)	EE2022 Electrical Energy Systems [Pre-Requisite: EE2111A]	EE2027 Electronics Circuits [Pre- Requisite: EE2111A]	GE Module 6 / SPN / TE / Minor / UEM OR EE2012 Analytical Methods in ECE [Pre-Req: MA1511 + MA1512] [If not done]		SPN / TE / Minor / UEM 6	SPN / TE / Minor / UEM 9
EE1111A Electrical Engineering Principles & Practice I	EE2111A Electrical Engineering Principles & Practice II	*SPN Pre-req core mods: e.g. EE2023 or EE2012 OR SPN / TE / Minor / UEM GE Module 5 /	*SPN Pre-req core mods: e.g. EE2012 or PC2020 OR SPN / TE / Minor / UEM GE Module 6 /	[EE2026 / EE2028 (can be taken as UEM)] / SPN / TE / Minor / UEM 1		GE Module OR SPN / TE / Minor / UEM 7	GE Module OR SPN / TE / Minor / UEM 10 (for those done ES1103 in S1, do GE if you have not fulfilled all 6 GE modules)
				SPN / TE / Minor / UEM 2			
20 MCs	20 MCs	20 MCs	20 MCs	22 MCs		18 MCs	20 MCs

¹ Students who do not meet the pre-requisite of ES2531 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 UEM requirements.

*SPN (Specialization) Pre-Requisites: Students may write in to the Department if they wish to bring forward their EE2 core modules 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:

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