POSSIBLE SCHEDULE FOR EE AY2024/25 INTAKE STUDENTS (Non-Poly)

As at 20 June 2024

AY24/25, S1	AY24/25, S2	AY25/26, S1	AY25/26, S2	AY26/27, S1	AY26/27, S2	AY27/28, S1	AY27/28, 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-Requisite: ES2531]		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 (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]*	**- Industrial Attachment (10 units)**	SPN / TE / Minor / **UEM 5**	SPN / TE / Minor / **UEM 8**
GE Course 4 ES1103 [1]	**Data Literacy** (GEA1000 Quantitative Reasoning)	**EE2023 Signals & Systems** [Pre-Requisite: MA1512]	**EE2027 Electronics Circuits** [Pre-Requisite: EE2111A]	**GE Course 6 /** SPN / TE / Minor / UEM	**- up to 2 evening courses (e.g. UEM 3 & UEM 4)**	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 courses:* **e.g. EE2012 or PC2020** OR **SPN** / TE / Minor / UE / **GE Course 5**	**EE2022 Electrical Energy Systems** [Pre-Requisite: EE2111A]	[EE2026 / EE2028 (can be taken as UEM)] / SPN / TE / Minor / **UEM 1**		GE Course OR SPN / TE / Minor / **UEM 7**	GE Course OR SPN / TE / Minor / **UEM 10** *(for those done ES1103 in S1, do GE if you have not fulfilled all 6 GE courses)*
				SPN / TE / Minor / **UEM 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/qet 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:

- **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.