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

For students who have <u>not taken</u> GESS course

- As at 3 June 2025

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)~~ ***Replaced by Technical Course 1 EE2028 Microcontroller Programming and Interfacing** [Pre-Req: CS1010E + EE2111A]	Artificial Intelligence [EE2211 Introduction to Machine Learning Pre-Req: CS1010E, MA1511, MA1508E]	EG2401A (2 units) Engineering Professionalism [Pre-Requisite: ES2531]	- Industrial Attachment (10 units) - up to 2 evening courses (e.g. UE3 & UE4)	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-Requisite: ES1103]	***CDE2501 Liveable Cities Singapore Studies** CDE2501 to fulfil SS pillar if not taken GESS.	PC2020 Electromagnetics for Electrical Engineers [Pre-Req: MA1511 + MA1512]		TECHNICAL ELECTIVE	TECHNICAL ELECTIVE
MA1511 Engineering Calculus (2 units) MA1512 Differential Equations for Eng (2 units)	MA1508E Linear Algebra for Engineers	EE2023 Signals & Systems [Pre-Requisite: MA1512]	EE2026 Digital Design [Pre-Req: CS1010E + EE2111A]	~~Creating Narratives [CDE2000]~~ **Replaced by *Technical Course 2 EE3033 Systems Integration and Design Lab** [Pre-Req: EE2023, EE2026, EE2027]		SPN / TE / Minor / UE 5	SPN / TE / Minor / UE 8
EE1111A Electrical Engineering Principles & Practice I	EE2111A Electrical Engineering Principles & Practice II	EE2012 Analytical Methods in ECE [Pre-Req: MA1511 + MA1512]	EE2027 Electronics Circuits [Pre-Requisite: EE2111A]	SPN / TE / Minor / UE 1		SPN / TE / Minor / UE 6	SPN / TE / Minor / UE 9
Cultures and Connections (GEC) / or ES1103 [1]	Data Literacy (GEA1000 Quantitative Reasoning)	Communities and Engagement (GEN)	EE2022 Electrical Energy Systems [Pre-Requisite: EE2111A]	~~Sustainable Futures~~ ***Replaced by Technical Course 3 Extended Core e.g. EE3xxxC**		SPN / TE / Minor / UE 7	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**

*AY2024/2025 cohort must complete 12 additional units of technical courses (TC) due to curriculum change. Students may take the additional technical course in lieu of the Systems Thinking pillar, Creating Narratives pillar & Sustainable Futures pillar. CDE2501 will be read towards the Singapore Studies pillar (if you have not taken any GESS course). Refer to the FAQ for more details.

[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.

NOTE:

- **Common Curriculum:** CDE common curriculum (see above yellow highlighted *changes, 3 technical courses can be taken in lieu of the 3 pillars) + NUS General Education (denote by courses in blue, 24 units: CS1010E, ES2631, GEA1000, GEC, GEN & GESS (can be replaced by CDE2501 if not taken GESS), 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.

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

For students who have taken GESS course

- As at 3 June 2025

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)~~ *Replaced by Technical Course 1 EE2028 Microcontroller Programming and Interfacing [Pre-Req: CS1010E + EE2111A]	Artificial Intelligence [EE2211 Introduction to Machine Learning Pre-Req: CS1010E, MA1511, MA1508E]	EG2401A (2 units) Engineering Professionalism [Pre-Requisite: ES2531]	- Industrial Attachment (10 units)	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-Requisite: ES1103]	*CDE2501 Liveable Cities Sustainable Futures (SF) (If have done GESS, CDE2501 to fulfil SF pillar)	PC2020 Electromagnetics for Electrical Engineers [Pre-Req: MA1511 + MA1512]		TECHNICAL ELECTIVE	TECHNICAL ELECTIVE
MA1511 Engineering Calculus (2 units) MA1512 Differential Equations for Eng (2 units)	MA1508E Linear Algebra for Engineers	EE2023 Signals & Systems [Pre-Requisite: MA1512]	EE2026 Digital Design [Pre-Req: CS1010E + EE2111A]	~~Creating Narratives [CDE2000]~~ Replaced by *Technical Course 2 EE3033 Systems Integration and Design Lab [Pre-Req: EE2023, EE2026, EE2027]	- up to 2 evening courses (e.g. UE3 & UE4)	SPN / TE / Minor / UE 5	SPN / TE / Minor / UE 8
EE1111A Electrical Engineering Principles & Practice I	EE2111A Electrical Engineering Principles & Practice II	EE2012 Analytical Methods in ECE [Pre-Req: MA1511 + MA1512]	EE2027 Electronics Circuits [Pre-Requisite: EE2111A]	*Technical Course 3 Extended Core e.g. EE3xxxC as UE 1		SPN / TE / Minor / UE 6	SPN / TE / Minor / UE 9
Singapore Studies (GESS) / or ES1103 [1]	Data Literacy (GEA1000 Quantitative Reasoning)	Cultures and Connections (GEC)	EE2022 Electrical Energy Systems [Pre-Requisite: EE2111A]	Communities and Engagement (GEN)		SPN / TE / Minor / UE 7	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

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