

POSSIBLE SCHEDULE FOR ECE AY21/22 INTAKE STUDENTS

Possible Schedule for EE AY2021/22 Intake (Non-Poly) – Revised

AY21/22, S1	AY21/22, S2	AY22/23, S1	AY22/23, S2	AY23/24, S1	AY23/24, S2	AY24/25, S1	AY24/25, 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]		TECHNICAL ELECTIVE	TECHNICAL ELECTIVE
MA1511 Engineering Calculus (2 MCs) MA1512 Differential Equations for Eng (2 MCs)	MA1508E Linear Algebra for Engineers	EE2012 Analytical Methods in ECE [Pre-Req: MA1511 + MA1512]	Creating Narratives [CDE2000]	EE2026 Digital Design OR EE2028 Microcontroller Programming and Interfacing		SPN / TE / Minor / UEM 5	SPN / TE / Minor / UEM 8
GE Module 4 ES1103 ¹	Data Literacy (GEA1000 Quantitative Reasoning)	EE2027 Electronics Circuits [Pre-Requisite: EE2111A]	EE2022 Electrical Energy Systems [Pre-Requisite: EE2111A]	GE Module 6 OR SPN / TE / Minor / UEM		SPN / TE / Minor / UEM 6	SPN / TE / Minor / UEM 9
EE1111A Electrical Engineering Principles & Practice I	EE2111A Electrical Engineering Principles & Practice II	GE Module 5 OR SPN / TE / Minor / UEM	EE2023 Signals & Systems [Pre-Requisite: MA1512]	[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	20 MCs

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 UEM requirements.

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](#).