

POSSIBLE SCHEDULE FOR ECE AY2020 INTAKE STUDENTS

Possible Schedule for EE AY2020/21 Intake (PPP pathway – IA in Year 3 Sem 1 or Sem 2) – as at 2 Dec 2021

AY20/21, S1	AY20/21, S2	AY21/22, S1	AY21/22, S2	AY21/22, ST	AY22/23, S1 or S2	AY22/23, S1 or S2	AY23/24, S1	AY23/24, S2
Schedule I	Schedule II	Schedule III	Schedule IV	Special Term (ST)	Schedule V or VI	Schedule VI or V	Schedule VII	Schedule VIII
EG1311 Design & Make	MLE1010 Materials Engineering Principles & Practice	IE2141 Systems Thinking and Dynamics	EE2211 Introduction to Machine Learning [Pre-Req: CS1010E, MA1511, MA1508E]	Students may do ST modules to reduce workload in regular sem.	Industrial Attachment (10 MCs)	EE2033 Integrated Systems Lab [Pre-Requirement: EE2023 + EE2027]	EE4002D Design Capstone	EE4002D Design Capstone
MA1511 Engineering Calculus (2 MCs) MA1512 Differential Equations for Eng (2 MCs)	MA1508E Linear Algebra for Engineers	EE2027 Electronics Circuits [Pre-Requirement: EE2111A]	EE2023 Signals & Systems [Pre-Requirement: MA1512]	Possible options: - EE Technical electives - GE modules - UEM modules		TECHNICAL ELECTIVE (Pathway Requirements)	TECHNICAL ELECTIVE (Pathway Requirements)	TECHNICAL ELECTIVE (EE4xxx)
EE1111A Electrical Engineering Principles & Practice I	EE2111A Electrical Engineering Principles & Practice II	EE2028 Microcontroller Programming and Interfacing [Pre-Req: EE2028A+ EE2026]	PC2020 Electromagnetics for Electrical Engineers [Pre-Req: MA1511 + MA1512]			OUTERCORE TECHNICAL ELECTIVE	TE Track/ specialization / Minor/ UEM module	TE Track/ specialization / Minor/ UEM module
CS1010E Programming Methodology	EE2026 Digital Design [Pre-Req: EE1111A, Co-Req: EE2111A + CS1010E]	EE2012A Analytical Methods in ECE [3MCs, Pre-Req: MA1511 + MA1512]	EE2029 Introduction to Electrical Energy Systems (3MCs) [Pre-Requirement: EE2111A]			GET/GES/GEH Module	GET/GES/GEH Module	TE Track/ specialization / Minor/ UEM module
GET/GES/GEH Module / ES1103 ¹	GER1000 Quantitative Reasoning (QR)	GEQ1000 Asking Questions (AQ)	ES2531 Critical Thinking & Writing [Pre-Req: ES1103] OR EG2401A Engineering Professionalism (2MC)			TE Track/ specialization / Minor/ UEM module	TE Track/ specialization / Minor/ UEM module (not required if done in ST)	TE Track/ specialization / Minor/ UEM module (not required if done in ST)
	EE2028A C Programming [2MCs, Co/Pre-Req: CS1010E]	Career Catalyst (CFG1002) If not done (2MCs, to fulfill UEM)	Career Catalyst (CFG1002) If not done in S1 (2MCs, to fulfill UEM)			TE Track/ specialization / Minor/ UEM module	TE Track/ specialization / Minor/ UEM module (2MCs, if done CFG1002)	
20 MCS	22 MCS	21 MCS	21 MCS			10 MCS	24 MCS	22MCS

¹ ES1103 is to be read by students who do not meet the pre-requisite of ES2531. Refer to <http://www.nus.edu.sg/registrar/academic-activities/registration/academic-related-matters/get> for more details. ES1103 can be used to fulfill UEM requirements.

NOTE:

- Compulsory General Education (GE) Modules (5 Modules, 4MCs each): GEH- Human Cultures (HC) pillar, GER- Quantitative Reasoning (QR) pillar, GET- Thinking and Expression (T&E) pillar, GES- Singapore Studies (SS) pillar, GEQ- Asking Questions (AQ) pillar. GER1000 will be taken to fulfil the Quantitative Reasoning (QR) pillar, GEQ1000 will be taken to fulfil the Asking Questions (AQ) pillar.
- USP/UTCP/RVRC students should refer to their respective programmes for USP/UTCP/RVRC modules to be read in place of ES2531.
- Industrial Attachment (IA) will do done in Year 3, either Sem 1 or Sem 2, subjected to availability. Students who intend to go SEP should plan to take IA in Sem 1 and SEP in Sem 2 of Year 3.
- Students may opt to do 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> Students are free to re-schedule these modules (GET/GEH/GES, TEs & UEMs) as they are not pre-allocated.
- The Outercore / Technical Electives / UEM / Minor modules can be taken at any semester upon satisfying the pre-requisites.
- The above is just a Recommended Schedule. Students should check that they fulfil their graduation requirement using the [FFG Checklist](#).