POSSIBLE SCHEDULE FOR ECE AY2021 INTAKE STUDENTS

Possible Schedule for EE AY2020/21 Common Intake (joining EE2 in Sem 1 AY2021/22)

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**	Students may do ST modules to reduce workload in regular sem.		EE2033 **Integrated Systems Lab** [Pre-Requisite: EE2023 + EE2027]	EE4002D **Design Capstone**	EE4002D **Design Capstone**
MA1505 **Maths I** *(map to MA1511 and* **2 MCs UEM**	MA1512 Differential Equations for Eng (2 MCs) *MA1508E **Linear Algebra for Engineers (4 MCs)**	EE2027 **Electronics Circuits** [Pre-Requisite: EE2111A / EPP2 equivalent]	EE2026 Digital Design [Pre-Req: EE111A, Co-Req: EE2111A + CS1010E]	Possible options: - EE Technical electives		EE2028 **Microcontroller Programming and Interfacing** [Pre-Req: EE2028A+ EE2026]	TECHNICAL ELECTIVE (Pathway Requirements)	TECHNICAL ELECTIVE (EE4xxx)
EG1111 **Engineering Principles & Practice I** *(map to EE1111A)*	EG1112 **Engineering Principles & Practice II** *(map to EE2111A)*	EE2023 **Signals & Systems** [Pre-Requisite: MA1512]	PC2020 **Electromagnetics for Electrical Engineers** [Pre-Req: MA1511 + MA1512]	- GE modules		TECHNICAL ELECTIVE (Pathway Requirements)	EG2401 Engineering Professionalism (2MC)	TE specialization / UEM / Minor / module
CS1010E **Programming Methodology**	GER1000 **Quantity Reasoning (QR)**	EE2012A **Analytical Methods in ECE** [3MCs, Pre-Req: MA1511 + MA1512]	EE2029 **Introduction to Electrical Energy Systems** *(3MCs)*	- UEM modules	Industrial Attachment (10 MCs)	OUTERCORE TECHNICAL ELECTIVE	GET/GES/GEH Module	TE Track/ specialization / Minor/ UEM module
UEM / GE / Physics / Chemistry Module or ES1103 [1]	**EE2028A C Programming** [2MCs, Pre-Req: CS1010E]	ES2531 **Critical Thinking & Writing** [Pre-Requisite: ES1103]	GEQ1000 **Asking Questions (AQ)**			GET/GES/GEH 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)*
		GET/GES/GEH Module OR **EE2028A C Programming** [If not done]	Career Catalyst (CFG1002) *Optional* (2MCs, to fulfill UEM)			TE Track/ specialization / Minor/ UEM module	TE Track/ specialization / Minor/ UEM module	TE Track/ specialization / Minor/ UEM module
20 MCs	**20 MCs**	**23 MCS**	**22 MCS**		**10 MCS**	**23 MCS**	**22MCS**	**20 MCS**

*MA1508E: **Students who wish to join EE should take MA1508E in place of MA1513 in Year 1 Sem 2.**

EE2028A: **Student who wish to join EE should take EE2028A in Year 1 Sem 2.

Roots & Wings programme comprises a number of different bite-size modulets (1MC) each, they can be taken at any semester as long as you do not exceed the maximum workload.

[1] ES1103 is to be read by students who do not meet the pre-requisite of ES1531. Refer to http://www.nus.edu.sg/registrar/event/registration-qet.html for more details. ES1103 can be used to fulfil UEM requirements. For students who are required to take ES1103 in Sem I, the GE module can be taken in future semesters.

1. 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.
2. USP/UTCP/RVRC students should refer to their respective programmes for USP/UTCP/RVRC modules to be read in place of ES2531.
3. 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.
4. Students may opt to do ST modules to reduce workload in regular sem. ST fees applies. Details at http://www.nus.edu.sg/registrar/events/special-term.html
5. Students are free to re-schedule these modules (GEH, GES & UEMs) as they are done via module selection in ModReg. The Outercore modules and Technical Electives can be taken at any semester upon satisfying the pre-requisites.
6. The above is just a recommended schedule. Students should check that they fulfil their graduation requirements using the FFG Checklist