

# POSSIBLE SCHEDULE FOR ECE AY2019 INTAKE STUDENTS

## Possible Schedule for EE AY2019/20 Common Intake (joining EE2 in Sem 1 AY2020/21)

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.	Industrial Attachment (10 MCs)	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) <b>*MA1508E</b> Linear Algebra for Engineers (4 MCs)	EE2027 Electronics Circuits [Pre-Requisite: EE2111A]	EE2023 Signals & Systems [Pre-Requisite: MA1512]	Possible options: - EE Technical electives		TECHNICAL ELECTIVE (Pathway Requirements)	TECHNICAL ELECTIVE (Pathway Requirements)	TECHNICAL ELECTIVE (EE4xxx)
EG1111 Engineering Principles & Practice I (map to EE1111A)	EG1112 Engineering Principles & Practice II (map to EE2111A)	EE2026 Digital Design [Pre-Req: EE1111A, Co-Req: EE2111A + CS1010E]	PC2020 Electromagnetics for Electrical Engineers [Pre-Req: MA1511 + MA1512]	- GE modules  - UEM modules		EE2029 Introduction to Electrical Energy Systems (3MCs)	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]	EE2028 Microcontroller Programming and Interfacing [Pre-Req: EE2028A+ EE2026]			OUTERCORE TECHNICAL ELECTIVE	GET/GES/GEH Module	TE Track/ specialization / Minor/ UEM module
UEM / GE / Physics / Chemistry Module or ES1103 <sup>1</sup>	<b>**EE2028A</b> <b>C Programming</b> [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	Career Catalyst (CFG1002) Optional (2MCs, to fulfill UEM)			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

**\*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 modules (1MC) each, they can be taken at any semester as long as you do not exceed the maximum workload.

<sup>1</sup> ES1103 is to be read by students who do not meet the pre-requisite of ES2531. Refer to <http://www.nus.edu.sg/registrar/event/registration-get.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.

### 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/events/special-term.html>
- 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.
- The above is just a recommended schedule. Students should check that they fulfil their graduation requirements using the [FFG Checklist](#)