

POSSIBLE SCHEDULE FOR ECE AY2020 INTAKE POLY STUDENTS

Possible Schedule (3 years) for Poly Students admitted to EE2 in Sem 1, AY2020/21 (PPP Pathway)

AY20/21, S1	AY20/21, S2	AY21/22, S1	AY21/22, S2	AY21/22, ST	AY22/23, S1	AY22/23, S2
Schedule I	Schedule II	Schedule III	Schedule IV	Special Term (ST)	Schedule VI or	Schedule VII
PC1222 ¹ Fundamentals of Physics II <i>(in lieu of IA)</i>	MLE1010 Materials Engineering Principles & Practice	IE2141 Systems Thinking and Dynamics	EE2211 Introduction to Machine Learning [Pre-Req: CS1010E, MA1511, MA1508E]	Optional Students may wish to do ST modules to reduce workload in regular sem. ST fees applies. Possible options: - Technical Electives / GE modules - Vacation Internship Program (VIP) 6MCs (in lieu of IA)	EE4002D Design Capstone	EE4002D Design Capstone
MA1301 ¹ (fulfil UEM) <i>(for those required to do, see Note 1)</i>	MA1511 Engineering Calculus (2 MCs) MA1512 Differential Equations for Eng (2 MCs)	MA1508E Linear Algebra for Engineers	EE2012A Analytical Methods in ECE [3MCs, Pre-Req: MA1511 + MA1512]		TECHNICAL ELECTIVE (Pathway Requirements)	TECHNICAL ELECTIVE (Pathway Requirements)
CS1010E Programming Methodology	EE2027 Electronics Circuits	EE2023 Signals & Systems [Pre-Req: MA1512]	EE2033 Integrated Systems Lab [Pre-Req: EE2023 + EE2027]		EG2401A Engineering Professionalism (2MC)	TECHNICAL ELECTIVE
EE2026 Digital Design [Pre-Req: EE1111, Co-Req: EE2111A + CS1010E]	EE2028 Microcontroller Programming and Interfacing [Pre-Req: EE2028A+ EE2026]	PC2020 Electromagnetics for Electrical Engineers [Pre-Req: MA1511 + MA1512]	OUTERCORE TECHNICAL ELECTIVE		GET/GES/GEH Module	GET/GES/GEH Module or UEM <i>(depending on which one not done)</i>
EE2028A C Programming [2MCs, Co/pre-Req: CS1010E]	GER1000 Quantitative Reasoning (QR)	EE2029 Introduction to Electrical Energy Systems (3MCs)	GEQ1000 Asking Questions (AQ)		TECHNICAL ELECTIVE (in lieu of IA, not required if done VIP)	TECHNICAL ELECTIVE (2MC) (in lieu of IA, not required if done VIP)
GET/GES/GEH Module / ES1103 ² / UEM <i>(see Note 2)</i>	Career Catalyst (CFG1002) Optional (2MCs, to fulfill UEM)		GE or UEM / ES1103 ² <i>(depending on which one not done in Schedule I)</i>		TECHNICAL ELECTIVE / UEM (2MC, to fulfill UEM)	
22 MCS	22 MCS	19 MCS	23 MCS		0 / 6 MCs	20 / 16 MCS

NOTE:

1. MA1301 & PC1222 are taken as compulsory modules. Students not required to do MA1301 will take MA1511 & MA1512 in the first semester. **No** extra exemptions will be given, students not required to do MA1301 must take another unrestricted elective module (UEM) to make up the 4MCs. <http://www1.math.nus.edu.sg/undergraduates.aspx?f=stu-1301test#a>
2. English Modules (dependent on QET results): ES1103 is to be read by students who are in band 2. Students who obtain Band 1 will have to take ES1000 followed by ES1103. ES1103 can be used to fulfil UEM requirement. Refer to <http://www.nus.edu.sg/registrar/academic-activities/registration/academic-related-matters/qet> for more details.
3. 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.
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/academic-activities/special-term/undergraduate-special-term>
5. Students are free to re-schedule these modules (GET/GEH/GES & UEMs) as they are not pre-allocated.
6. The Outercore / Technical Electives / UEM / Minor modules can be taken at any semester upon satisfying the pre-requisites.
7. The above is just a Recommended Schedule. Students should check that they fulfil their graduation requirement using the [FFG Checklist](#).

POSSIBLE SCHEDULE FOR ECE AY2020 INTAKE POLY STUDENTS

Possible Schedule **(3 years)** for Poly Students admitted to EE2 in Sem 1, AY2020/21 (PPP Pathway) - not exempted from EE2111A, take CG1111 in S1.

AY20/21, S1	AY20/21, S2	AY21/22, S1	AY21/22, S2	AY21/22, ST	AY22/23, S1	AY22/23, S2
Schedule I	Schedule II	Schedule III	Schedule IV	Special Term (ST)	Schedule VI or	Schedule VII
PC1222 ¹ Fundamentals of Physics II <small>(in lieu of IA)</small>	MLE1010 Materials Engineering Principles & Practice	IE2141 Systems Thinking and Dynamics	EE2211 Introduction to Machine Learning <small>[Pre-Req: CS1010E, MA1511, MA1508E]</small>	Optional Students may wish to do ST modules to reduce workload in regular sem. ST fees applies. Possible options: - Technical Electives / GE modules - Vacation Internship Program (VIP) 6MCs (in lieu of IA)	EE4002D Design Capstone	EE4002D Design Capstone
MA1301 ¹ (fulfil UEM) <small>(if not exempted)</small>	MA1511 Engineering Calculus (2 MCs) MA1512 Differential Equations for Eng(2 MCs)	MA1508E Linear Algebra for Engineers	PC2020 Electromagnetics for Electrical Engineers <small>[Pre-Req: MA1511 + MA1512]</small>		TECHNICAL ELECTIVE <small>(Pathway Requirements)</small>	TECHNICAL ELECTIVE <small>(Pathway Requirements)</small>
CS1010E Programming Methodology	EE2026 Digital Design <small>[Pre-Req: EE1111, Co-Req: EE2111 + CS1010E]</small>	EE2012A Analytical Methods in ECE [3MCs, Pre-Req: MA1511 + MA1512]	EE2023 Signals & Systems <small>[Pre-Requisite: MA1512]</small>		EE2033 Integrated Systems Lab <small>[Pre-Requisite: EE2023 + EE2027]</small>	TECHNICAL ELECTIVE
*CG1111 Engineering Principles & Practice <small>(map to EE2111A)</small>	EE2027 Electronics Circuits	EE2028 Microcontroller Programming and Interfacing <small>[Pre-Req: EE2028A+ EE2026]</small>	EE2029 Introduction to Electrical Energy Systems <small>(3MCs)</small>		OUTERCORE TECHNICAL ELECTIVE	EG2401A Engineering Professionalism <small>(2MC)</small>
EE2028A C Programming <small>[2MCs, Co/pre-Req: CS1010E]</small>	GER1000 Quantitative Reasoning <small>(QR)</small>	GET/GES/GEH Module	GEQ1000 Asking Questions <small>(AQ)</small>		TECHNICAL ELECTIVE <small>(in lieu of IA, not required if done VIP)</small>	TECHNICAL ELECTIVE <small>(2MC)</small> <small>(in lieu of IA, not required if done VIP)</small>
	Career Catalyst <small>(CFG1002) Optional (2MCs, to fulfill UEM)</small>	ES1103 ² / UEM <small>(see Note 2) or GET/GES/GEH Module</small>	TECHNICAL ELECTIVE / UEM <small>(2MC, to fulfill UEM)</small>		GET/GES/GEH Module	GET/GES/GEH Module or UEM <small>(depending on which one not done)</small>
20 MCS	22 MCS	23 MCS	21 MCS		0 / 6 MCs	24 / 20 MCS

NOTE:

1. MA1301 & PC1222 are taken as compulsory modules. Students not required to do MA1301 will take MA1511 & MA1512 in the first semester. No extra exemptions will be given, students not required to do MA1301 must take another unrestricted elective module (UEM) to make up the 4MCs. <http://www1.math.nus.edu.sg/undergraduates.aspx?f=stu-1301test#a>
2. English Modules (dependent on QET results): ES1103 is to be read by students who are in band 2. Students who obtain Band 1 will have to take ES1000 followed by ES1103. ES1103 can be used to fulfil UEM requirement. Refer to <http://www.nus.edu.sg/registrar/academic-activities/registration/academic-related-matters/get> for more details.
3. 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 fulfill the Quantitative Reasoning (QR) pillar. GEQ1000 will be taken to fulfill the Asking Questions (AQ) pillar.
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/academic-activities/special-term/undergraduate-special-term>
5. Students are free to re-schedule these modules (GET/GEH/GES & UEMs) as they are not pre-allocated.
6. The Outercore / Technical Electives / UEM / Minor modules can be taken at any semester upon satisfying the pre-requisites.
7. The above is just a Recommended Schedule. Students should check that they fulfil their graduation requirement using the [FFG Checklist](#).

POSSIBLE SCHEDULE FOR ECE AY2020 INTAKE POLY STUDENTS

Possible Schedule (3.5 years) for Poly Students admitted to EE2 in Sem 1, AY2020/21 (PPP Pathway)

AY20/21, S1	AY20/21, S2	AY21/22, S1	AY21/22, S2	AY22/23, S1	AY22/23, S2	AY23/24, S1
Schedule I	Schedule II	Schedule III	Schedule IV	Schedule VI	Schedule VII	Schedule VIII
PC1222 ¹ Fundamentals of Physics II <small>(in lieu of IA)</small>	MLE1010 Materials Engineering Principles & Practice	IE2141 Systems Thinking and Dynamics	EE2211 Introduction to Machine Learning [Pre-Req: CS1010E, MA1511, MA1508E]	EE2029 Introduction to Electrical Energy Systems (3MCs)	EE4002D Design Capstone	EE4002D Design Capstone
MA1301 ¹ (fulfil UEM) <small>(if not exempted)</small>	MA1511 Engineering Calculus (2 MCs) MA1512 Differential Equations for Eng(2 MCs)	MA1508E Linear Algebra for Engineers	PC2020 Electromagnetics for Electrical Engineers [Pre-Req: MA1511 + MA1512]	EE2033 Integrated Systems Lab [Pre-Requisite: EE2023 + EE2027]	TECHNICAL ELECTIVE (Pathway Requirements)	TECHNICAL ELECTIVE (Pathway Requirements)
CS1010E Programming Methodology	EE2026 Digital Design [Pre-Req: EE1111, Co-Req: EE2111 + CS1010E]	EE2028 Microcontroller Programming and Interfacing [Pre-Req: EE2028A+ EE2026]	EE2023 Signals & Systems [Pre-Requisite: MA1512]	OUTERCORE TECHNICAL ELECTIVE	TECHNICAL ELECTIVE (in lieu of IA)	TECHNICAL ELECTIVE
EE2028A C Programming [2MCs, Co/pre-Req: CS1010E]	EE2027 Electronics Circuits	EE2012A Analytical Methods in ECE [3MCs, Pre-Req: MA1511 + MA1512]	GEQ1000 Asking Questions (AQ)	GET/GES/GEH Module or UEM (depending on which one not done)	TECHNICAL ELECTIVE (2MC) (in lieu of IA)	TECHNICAL ELECTIVE / UEM (2MC, to fulfil UEM)
ES1103 ² / UEM <small>(see Note 2) or GET/GES/GEH Module</small>	GER1000 Quantitative Reasoning (QR)	GET/GES/GEH Module	Career Catalyst (CFG1002) <i>Optional</i> (2MCs, to fulfil UEM)	EG2401A Engineering Professionalism (2MC)	GET/GES/GEH Module	
18 MCS	20 MCS	19 MCS	18 MCS	17 MCS	18 MCS	14 MCS

NOTE:

1. MA1301 & PC1222 are taken as compulsory modules. Students not required to do MA1301 will take MA1511 & MA1512 in the first semester. No extra exemptions will be given, students not required to do MA1301 must take another unrestricted elective module (UEM) to make up the 4MCs. <http://ww1.math.nus.edu.sg/undergraduates.aspx?f=stu-1301test#a>
2. English Modules (dependent on QET results): ES1103 is to be read by students who are in band 2. Students who obtain Band 1 will have to take ES1000 followed by ES1103. ES1103 can be used to fulfil UEM requirement. Refer to <http://www.nus.edu.sg/registrar/academic-activities/registration/academic-related-matters/qet> for more details.
3. 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.
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/academic-activities/special-term/undergraduate-special-term>
5. Students are free to re-schedule these modules (GET/GEH/ GES & UEMs) as they are not pre-allocated.
6. The Outercore / Technical Electives / UEM / Minor modules can be taken at any semester upon satisfying the pre-requisites.
7. The above is just a Recommended Schedule. Students should check that they fulfil their graduation requirement using the [FFG Checklist](#).