POSSIBLE SCHEDULE FOR ECE AY2019 INTAKE POLY STUDENTS

Possible Schedule (3 years) for Poly Students admitted to EE2 in Sem 1, AY2019/20 (PPP Pathway)

AY19/20, S1	AY19/20, S2	AY20/21, S1	AY20/21, S2	AY20/21, ST	AY21/22, S1	AY21/22, S2
Schedule I	Schedule II	Schedule III	Schedule IV	Special Term (ST)	Schedule Vlor	Schedule VII
PC1222[1] Fundamentals of Physics II *(in lieu of IA)*	MLE1010 Materials Engineering Principles & Practice	IE2141 Systems Thinking and Dynamics	EE2211 Introduction to Machine Learning	**Optional** Students may wish to do ST modules to reduce workload in regular sem. ST fees applies.	EE4002D Design Capstone	EE4002D Design Capstone
MA1301[1] (fulfil UEM) *(for those required to do, see Note 1)*	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]	Possible options:	TECHNICAL ELECTIVE (Pathway Requirements)	TECHNICAL ELECTIVE (Pathway Requirements)
CS1010E Programming Methodology	EE2027 Electronics Circuits	EE2023 Signals & Systems [Pre-Requisite: MA1512]	EE2033 Integrated Systems Lab [Pre-Requisite: EE2023 + EE2027]	- Technical Electives / GE modules	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	- Vacation Internship Program (VIP) 6MCs *(in lieu of IA)*	GET/GES/GEH Module	GET/GES/GEH Module or UEM *(depending on which one not done)*
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 *(see Note 2)*	Career Catalyst (CFG1002) *Optional* (2MCs, to fulfill UEM)		GE or UEM / ES1103[2] *(depending on which one not done in Schedule I)*		TECHNICAL ELECTIVE / UEM (2MC, to fulfil UEM)	
22 MCS	**22 MCS**	**19 MCS**	**23 MCS**	**0 / 6 MCs**	**20 / 16 MCS**	**18 /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://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/event/registration-qet.html 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/events/special-term.html
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 AY2019 INTAKE POLY STUDENTS

Possible Schedule (3 years) for Poly Students admitted to EE2 in Sem 1, AY2019/20 (PPP Pathway) - not exempted from EE2111A, take CG1111 in S1.

AY19/20, S1	AY19/20, S2	AY20/21, S1	AY20/21, S2	AY20/21, ST	AY21/22, S1	AY21/22, S2
Schedule I	Schedule II	Schedule III	Schedule IV	Special Term (ST)	Schedule VIor	Schedule VII
PC1222[1] **Fundamentals of Physics II** *(in lieu of IA)*	**MLE1010 Materials Engineering Principles & Practice**	**IE2141 Systems Thinking and Dynamics**	**EE2211 Introduction to Machine Learning**	**Optional** Students may wish to do ST modules to reduce workload in regular sem. ST fees applies.	**EE4002D Design Capstone**	**EE4002D Design Capstone**
MA1301[1] (fulfil UEM) (if not exempted)	**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]	Possible options:	**TECHNICAL ELECTIVE (Pathway Requirements)**	**TECHNICAL ELECTIVE (Pathway Requirements)**
CS1010E Programming Methodology	**EE2026 Digital Design** [Pre-Req: EE1111, Co-Req: EE2111 + CS1010E]	**EE2012A Analytical Methods in ECE** [3MCs, Pre-Req: MA1511 + MA1512]	**EE2023 Signals & Systems** [Pre-Requisite: MA1512]	- Technical Electives / GE modules	**EE2033 Integrated Systems Lab** [Pre-Requisite: EE2023 + EE2027]	**TECHNICAL ELECTIVE**
***CG1111 Engineering Principles & Practice** *(map to EE2111A)*	**EE2027 Electronics Circuits**	**EE2028 Microcontroller Programming and Interfacing** [Pre-Req: EE2028A+ EE2026]	**EE2029 Introduction to Electrical Energy Systems** *(3MCs)*	- Vacation Internship Program (VIP) **6MCs** (in lieu of IA)	**OUTERCORE TECHNICAL ELECTIVE**	**EG2401A Engineering Professionalism (2MC)**
EE2028A C Programming [2MCs, Co/pre-Req: CS1010E)]	**GER1000 Quantitative Reasoning (QR)**	**GET/GES/GEH Module**	**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
	Career Catalyst (CFG1002) *Optional* **(2MCs, to fulfill UEM)**	**ES1103[2] / UEM** *(see Note 2)* **or GET/GES/GEH Module**	**TECHNICAL ELECTIVE / UEM (2MC, to fulfil UEM)**		**GET/GES/GEH Module**	**GET/GES/GEH Module** or UEM *(depending on which one not done)*
20 MCS	**22 MCS**	**23 MCS**	**21 MCS**	**0 / 6 MCs**	**24 / 20 MCS**	**20 / 18 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/event/registration-get.html 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/events/special-term.html

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 AY2019 INTAKE POLY STUDENTS

Possible Schedule (3.5 years) for Poly Students admitted to EE2 in Sem 1, AY2019/20 (PPP Pathway)

AY19/20, S1	AY19/20, S2	AY20/21, S1	AY20/21, S2	AY21/22, S1	AY21/22, S2	AY22/23, S1
Schedule I	Schedule II	Schedule III	Schedule IV	Schedule VI	Schedule VII	Schedule VIII
PC1222[1] **Fundamentals of Physics II** (in lieu of IA)	MLE1010 **Materials Engineering Principles & Practice**	IE2141 **Systems Thinking and Dynamics**	EE2211 **Introduction to Machine Learning**	EE2029 **Introduction to Electrical Energy Systems** *(3MCs)*	EE4002D **Design Capstone**	EE4002D **Design Capstone**
MA1301[1] **(fulfil UEM)** (if not exempted)	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 *(see Note 2)* or GET/GES/GEH Module	GER1000 **Quantitative Reasoning (QR)**	GET/GES/GEH Module	Career Catalyst (CFG1002) *Optional* (2MCs, to fulfill UEM)	EG2401A **Engineering Professionalism (2MC)**	GET/GES/GEH Module	
18 MCS	**20 MCS**	**19 MCS**	**18 MCS**	**17 MCS**	**18 MCS**	**14 MCS**

<u>NOTE:</u>

1. MA1301 & PC1222 are taken as compulsory modules. Students not required to do MA1301 will take MA1511 & MA1512 in the first semester. <u>No extra exemptions will be given, students not required to do MA1301 must take another unrestricted elective module (UEM) to make up the 4MCs.</u> http://ww1.math.nus.edu.sg/undergraduates.aspx?f=stu-1301test#a
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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.
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