

# POSSIBLE SCHEDULE FOR ECE AY2017 INTAKE POLY STUDENTS

## Possible Schedule (3 years) for Poly Students admitted to EE2 in Sem 1, AY2017/18 (PPP Pathway)

AY1718, S1	AY1718, S2	AY1819, S1	AY1819, S2		AY1920, S1	AY1920, S2
Schedule III	Schedule IV	Schedule V	Schedule VI	Special Term (ST)	Schedule VII	Schedule VIII
<b>MA1301<sup>1</sup></b> (fulfil UEM) (if not exempted)	<b>MA1511</b> Engineering Calculus (2 MCs) <b>MA1512</b> Differential Equations for Eng (2 MCs)	<b>MA1508E</b> <b>Linear Algebra for Engineering</b>	<b>EE2012</b> <b>Analytical Methods in ECE</b> [Pre-Req: MA1511 + MA1512 + MA1508E]	<b>Optional</b> Highly recommended for students 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)	<b>EE4002D</b> <b>Design Capstone</b>	<b>EE4002D</b> <b>Design Capstone</b>
<b>PC1222<sup>1</sup></b> <b>Fundamentals of Physics II</b> (in lieu of IA)	<b>EE2027</b> <b>Electronics Circuits</b>	<b>EE2023</b> <b>Signals &amp; Systems</b> [Pre-Req: MA1512]	<b>EE2033</b> <b>Integrated Systems Lab</b> [Pre-Requirement: EE2023 + EE2027]		<b>OUTERCORE TECHNICAL ELECTIVE</b>	<b>TECHNICAL ELECTIVE</b> (pathway requirements)
<b>IT1007</b> Introduction to Programming with Python and C	<b>EE2028</b> <b>Microcontroller Programming and Interfacing</b> [Pre-Req: IT1007+ EE2026]	<b>PC2020</b> <b>Electromagnetics for Electrical Engineers</b> [Pre-Req: MA1511 + MA1512]	<b>EE3031</b> <b>(Innovation &amp; Enterprise Project I)</b>		<b>TECHNICAL ELECTIVE</b>	<b>TECHNICAL ELECTIVE</b> (pathway requirements)
<b>EE2026</b> <b>Digital Design</b>	<b>GER1000</b> <b>Quantity Reasoning (QR)</b>	<b>GEQ1000</b> <b>Asking Question (AQ)</b>	<b>OUTERCORE TECHNICAL ELECTIVE</b>		UEM or <b>GET/GES/GEH</b> (depending on which one you have not fulfil)	<b>TECHNICAL ELECTIVE</b>
<b>ES1103<sup>2</sup></b> (UEM) or GET/GES/GEH Module	<b>GET/GES/GEH</b> Module	<b>GET/GES/GEH</b> Module	<b>OUTERCORE TECHNICAL ELECTIVE</b>		<b>TECHNICAL ELECTIVE / UEM</b> (2MC, to fulfil UEM )	<b>TECHNICAL ELECTIVE</b> (in lieu of IA, not required if done VIP)
		<b>CFG1010</b> Roots & Wing (2MC) (to fulfil UEM)	<b>EG2401</b> <b>Engineering Professionalism</b> (2MC)		<b>TECHNICAL ELECTIVE (2MC)</b> (in lieu of IA, not required if done VIP)	
<b>20 MC</b>	<b>20 MC</b>	<b>22 MC</b>	<b>22 MC</b>		<b>0 / 6MC</b>	<b>20 MC / 18MC</b>

### Important:

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 no 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, GET- Thinking and Expression (T&E) pillar, GES- Singapore Studies (SS) pillar, GER1000- fulfil Quantitative Reasoning (QR) pillar & GEQ1000- fulfil Asking Questions (AQ) pillar. Students are free to re-schedule these modules GET, GES & GEH as they are done by bidding via CORS.
4. The minimum 28 MCs of technical electives (3 outercore, 2 pathway requirements & Technical Electives) can be taken at any semester upon satisfying the pre-requisites.
5. Industrial Attachment (IA), 10MCs is optional for Poly students. In lieu of the 10 MCs for IA, poly students must fulfil bridging modules and VIP or technical elective(s): PC1222 + [VIP(6MCs) or TE(6MCs)].
6. Students may opt to do ST modules (e.g. GE, TE) to reduce workload in regular sem. ST fees applies. Details at <http://www.nus.edu.sg/registrar/events/special-term.html>

## POSSIBLE SCHEDULE FOR ECE AY2017 INTAKE POLY STUDENTS

Possible Schedule (3 years) for Poly Students admitted to EE2 in Sem 1, AY2017/18 (PPP Pathway)- **not exempted from EG1112**, take CG1111 in S1.

AY1718, S1	AY1718, S2	AY1819, S1	AY1819, S2		AY1920, S1	AY1920, S2
Schedule III	Schedule IV	Schedule V	Schedule VI	Special Term (ST)	Schedule VII	Schedule VIII
<b>MA1301<sup>1</sup> (UEM)</b> (if not exempted)	MA1511 Engineering Calculus (2 MCs) MA1512 Differential Equations for Eng (2 MCs)	MA1508E Linear Algebra for Engineering	EE2012 Analytical Methods in ECE [Pre-Req: MA1511 + MA1512 + MA1508E]	<b>Optional</b> Highly recommended for students 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
PC1222 <sup>1</sup> Fundamentals of Physics II (in lieu of IA)	EE2026 Digital Design	EE2023 Signals & Systems [Pre-Req: MA1512]	EE2033 Integrated Systems Lab [Pre-Requisite: EE2023 + EE2027]		OUTERCORE TECHNICAL ELECTIVE	TECHNICAL ELECTIVE (pathway requirements)
IT1007 Introduction to Programming with Python and C	EE2027 Electronics Circuits	EE2028 Microcontroller Programming and Interfacing [Pre-Req: IT1007+ EE2026]	PC2020 Electromagnetics for Electrical Engineers [Pre-Req: MA1511 + MA1512]		TECHNICAL ELECTIVE	TECHNICAL ELECTIVE (pathway requirements)
<b>CG1111</b> Engineering Principles & Practice I (6MCs)	GER1000 Asking Question (AQ)	EE3031 (Innovation & Enterprise Project I)	OUTERCORE TECHNICAL ELECTIVE		TECHNICAL ELECTIVE	TECHNICAL ELECTIVE / UEM (2MC, to fulfil UEM)
ES1103 <sup>2</sup> (UEM) or GET/GES/GEH Module	GET/GES/GEH Module	GEQ1000 Quantity Reasoning (QR)	OUTERCORE TECHNICAL ELECTIVE		TECHNICAL ELECTIVE (in lieu of IA, not required if done VIP)	TECHNICAL ELECTIVE (2MC) (in lieu of IA, not required if done VIP)
		CFG1010 Roots & Wing (2MC) (to fulfil UEM)	GET/GES/GEH Module		EG2401 Engineering Professionalism (2MC)	UEM or GET/GES/GEH (depending on which one you have not fulfil)
22 MC	20 MC	22 MC	24 MC	0 / 6MC	22 MC / 18 MC	20 MC / 18 MC
<b>CG1111</b> will be pre-allocated in Sem 1, it will be mapped to EG1112. Diplomas not exempted from EG1112 can be found at <a href="https://www.ece.nus.edu.sg/intranet/Students/">https://www.ece.nus.edu.sg/intranet/Students/</a> (under 2 <sup>nd</sup> Year)						

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- 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.
- Compulsory General Education (GE) Modules (5 Modules, 4MCs each): GEH- Human Cultures (HC) pillar, GET- Thinking and Expression (T&E) pillar, GES- Singapore Studies (SS) pillar, GER1000- fulfil Quantitative Reasoning (QR) pillar & GEQ1000- fulfil Asking Questions (AQ) pillar. Students are free to re-schedule these modules GET, GES & GEH as they are done by bidding via CORS.
- The minimum 28 MCs of technical electives (3 outercore, 2 pathway requirements & 2 Technical Electives) can be taken at any semester upon satisfying the pre-requisites.
- Industrial Attachment (IA), 10MCs is optional for Poly students. In lieu of the 10 MCs for IA, poly students must fulfil bridging modules and VIP or technical elective(s): PC1222 + [VIP(6MCs) or TE(6MCs)].
- Students may opt to do ST modules (e.g. GE, TE) to reduce workload in regular sem. ST fees applies. Details at <http://www.nus.edu.sg/registrar/events/special-term.html>

## POSSIBLE SCHEDULE FOR ECE AY2017 INTAKE POLY STUDENTS

### Possible Schedule (3.5 years) for Poly Students admitted to EE2 in Sem 1, AY2017/18 (PPP Pathway)

AY1718, S1	AY1718, S2	AY1819, S1	AY1819, S2	AY1920, S1	AY1920, S2	AY2021, S1
Schedule III	Schedule IV	Schedule V	Schedule VI	Schedule VII	Schedule VIII	Schedule VIII
<b>MA1301<sup>1</sup> (UEM)</b> (if not exempted)	<b>MA1511</b> Engineering Calculus (2 MCs) <b>MA1512</b> Differential Equations for Eng (2 MCs)	<b>MA1508E</b> <b>Linear Algebra for Engineering</b>	<b>EE2012</b> <b>Analytical Methods in ECE</b> [Pre-Req: MA1511 + MA1512 + MA1508E]	<b>EG2401 (2MCs)</b> <b>Engineering Professionalism</b>	<b>EE4002D</b> <b>Design Capstone</b>	<b>EE4002D</b> <b>Design Capstone</b>
<b>PC1222<sup>1</sup></b> <b>Fundamentals of Physics II</b> (in lieu of IA)	<b>*EE2026</b> <b>Digital Design</b>	<b>EE2023</b> <b>Signals &amp; Systems</b> [Pre-Req: MA1512]	<b>EE2033</b> <b>Integrated Systems Lab</b> [Pre-Requisite: EE2023 + EE2027]	<b>OUTERCORE TECHNICAL ELECTIVE</b>	<b>TECHNICAL ELECTIVE</b> (pathway requirements)	<b>TECHNICAL ELECTIVE</b> (pathway requirements)
<b>IT1007</b> <b>Introduction to Programming with Python and C</b>	<b>EE2027</b> <b>Electronics Circuits</b>	<b>EE2028</b> Microcontroller Programming and Interfacing [Pre-Req: IT1007+ EE2026]	<b>PC2020</b> <b>Electromagnetics for Electrical Engineers</b> [Pre-Req: MA1511 + MA1512]	<b>OUTERCORE TECHNICAL ELECTIVE</b>	<b>TECHNICAL ELECTIVE</b>	<b>TECHNICAL ELECTIVE (2MC)</b> (in lieu of IA)
<b>GET/GES/GEH</b> <b>Module</b>	<b>GER1000</b> <b>Quantity Reasoning (QR)</b>	<b>GEQ1000</b> <b>Asking Question (AQ)</b>	<b>OUTERCORE TECHNICAL ELECTIVE</b>	<b>EE3031</b> <b>(Innovation &amp; Enterprise Project)</b>	<b>TECHNICAL ELECTIVE</b>	<b>GET/GES/GEH</b> <b>Module</b>
<b>ES1103<sup>2</sup> (UEM)</b> or <b>GET/GES/GEH</b> <b>Module</b>	<b>GET/GES/GEH</b> or <b>UEM</b>	<b>CFG1010</b> Roots & Wing (2MC, to fulfil UEM)	<b>TECHNICAL ELECTIVE / UEM</b> (2MC, to fulfil UEM )	<b>TECHNICAL ELECTIVE</b> (in lieu of IA)		
<b>20 MC</b>	<b>20 MC</b>	<b>18 MC</b>	<b>18 MC</b>	<b>18 MC</b>	<b>16 MC</b>	<b>14 MC</b>
<span style="color: cyan;"><b>*EE2026:</b></span> Students who wish to follow the 3.5 years schedule may request to drop their pre-allocated EE2026 in Sem 1 by approaching the Department or email to <a href="mailto:eleylye@nus.edu.sg">eleylye@nus.edu.sg</a> before <b>25 Aug 2017</b> .						

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