

POSSIBLE SCHEDULE (3 YEARS) FOR STUDENTS WITH POLYTECHNIC DIPLOMA ADMITTED TO EE2 IN AY2023/24

Polytechnic graduates may complete their graduation requirements in 3 years with their Polytechnic course exemptions

AY23/24, S1	AY23/24, S2	AY24/25, S1	AY24/25, S2	AY25/26, S1	AY25/26, S2
Schedule I	Schedule II	Schedule III	Schedule IV	Schedule VI	Schedule VII
MA1301¹ <i>(UE 1) for those required to do, see Note 1</i> OR MA1511 Engineering Calculus (2 units) + MA1512 Differential Equations for Eng (2 units)	MA1508E Linear Algebra for Engineers	MA1511 Engineering Calculus (2 units) + MA1512 Differential Equations for Eng (2 units) (For those not done)	Artificial Intelligence (EE2211 Introduction to Machine Learning Pre-Req: CS1010E, MA1511, MA1508E]	EE4002D / EE4002R Design / Research Capstone	EE4002D / EE4002R Design / Research Capstone
PC1201¹ Fundamentals of Physics (UE 2)	Data Literacy (GEA1000 Quantitative Reasoning)	Critique & Expression [ES2631 Critical Thinking & Writing Pre-Requisite: ES1103]	Sustainable Futures (CDE2501 Liveable Cities)	TECHNICAL ELECTIVE	TECHNICAL ELECTIVE
Digital Literacy (CS1010E Programming Methodology)	Project Management (PF1101 Fundamentals of Project Management)	Systems Thinking (IE2141 Systems Thinking & Dynamics)	Creating Narratives [CDE2000] [Pre-Requisite: ES1103]	GE Course 6 or SPN / TE / Minor / UEM	SPN / TE / Minor / UE 4
GE Course 4 or ES1103²	GE Course 5 or SPN / TE / Minor / UEM	EE2022 Electrical Energy Systems [Pre-Requisite: EE2111A]	EE2012 Analytical Methods in ECE [Pre-Req: MA1511 + MA1512]	[EE2026 / EE2028 (if not taken, can be used to fulfil UEM)] / SPN / TE / Minor / UE 3	SPN / TE / Minor / UE 5
EE1111A Electrical Engineering Principles & Practice I	EE2111A Electrical Engineering Principles & Practice II	EE2027 Electronics Circuits [Pre-Requisite: EE2111A]	EE2023 Signals & Systems [Pre-Requisite: MA1512]	EG2401A (2units) Engineering Professionalism [Pre-Requisite: ES2631]	
		EE2026 Digital Design or EE2028 Microcontroller Programming and Interfacing	PC2020 Electromagnetics for Electrical Engineers [Pre-Req: MA1511 + MA1512]		
20 units	20 units	24 units	24 units	18 units	16 units

NOTE:

1. MA1301 & PC1201 are taken as compulsory courses. 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 (UE) to make up the 4units.**
2. English courses (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 UE requirement. Refer to <http://www.nus.edu.sg/registrar/academic-activities/registration/academic-related-matters/qet> for more details.
3. **Poly Exemptions:** UE (20 units), Industrial Attachment (10 units), EG1311 Design and Make (4 units), DTK1234 Design Thinking (4 units). Total: 38units
4. **Common Curriculum:** CDE common curriculum (36units, denote by courses in grey, 8units exempted for Poly graduates) + **NUS General Education** (denote by courses in blue, 24units: CS1010E, ES2631, GEA1000 & 3 other GE courses; GESS, GEC, GEN course), total 60units.
5. **Unrestricted Electives (UE):** denote by courses in orange (courses can be used to fulfil SPN(Specialization)/ Technical electives(TE)/ 2nd major/ Minor, etc). 20units exempted for Poly graduates, total: 40units. Students need to plan in advance to fulfil the pre-req of the courses for their SPN/TE/2nd Major/minor).
6. **Major Requirements:** Engineering Core (20units), denote by courses in purple, IA (10units) exempted for Poly graduates & EE Core/ Major, denote by courses in green (40units), total: 60units.
7. The above is just a Recommended Schedule. Students should check that they fulfil their graduation requirement using the [FFG Checklist](#) and may adjust their study plan accordingly.

(As at 19 July 2023)

POSSIBLE SCHEDULE (3.5 YEARS) FOR STUDENTS WITH POLYTECHNIC DIPLOMA ADMITTED TO EE2 IN AY2023/24

Students who wish to take a slower pace may complete in 3.5 years

AY23/24, S1	AY23/24, S2	AY24/25, S1	AY24/25, S2	AY25/26, S1	AY25/26, S2	AY26/27, S1
Schedule I	Schedule II	Schedule III	Schedule IV	Schedule VI	Schedule VII	Schedule VIII
<p style="color: orange; font-weight: bold;">MA1301¹</p> <p>(UE 1) for those required to do, see Note 1 OR</p> <p style="color: purple;">MA1511 Engineering Calculus (2 units) + MA1512 Differential Equations for Eng (2 units)</p>	<p style="color: purple; font-weight: bold;">MA1508E</p> <p>Linear Algebra for Engineers</p>	<p style="color: purple;">MA1511 Engineering Calculus (2 units) + MA1512 Differential Equations for Eng (2 units) (For those not done)</p>	<p style="color: grey;">Artificial Intelligence (EE2211 Introduction to Machine Learning Pre-Req: CS1010E, MA1511, MA1508E]</p>	<p style="color: purple;">EG2401A (2units) [Pre-Requisite: ES2631] Professionalism]</p>	<p style="color: grey;">EE4002D / EE4002R Design / Research Capstone</p>	<p style="color: grey;">EE4002D / EE4002R Design / Research Capstone</p>
<p style="color: orange; font-weight: bold;">PC1201¹</p> <p>Fundamentals of Physics (UE 2)</p>	<p style="color: blue;">Data Literacy (GEA1000 Quantitative Reasoning)</p>	<p style="color: blue;">Critique & Expression [ES2631 Critical Thinking & Writing Pre-Requisite: ES1103]</p>	<p style="color: grey;">Sustainable Futures (CDE2501 Liveable Cities)</p>	<p style="color: green;">EE2012 Analytical Methods in ECE [Pre-Req: MA1511 + MA1512]</p>	<p style="color: green; font-weight: bold;">TECHNICAL ELECTIVE</p>	<p style="color: green; font-weight: bold;">TECHNICAL ELECTIVE</p>
<p style="color: blue;">Digital Literacy (CS1010E Programming Methodology)</p>	<p style="color: grey;">Project Management (PF1101 Fundamentals of Project Management)</p>	<p style="color: grey;">Systems Thinking (IE2141 Systems Thinking & Dynamics)</p>	<p style="color: grey;">Creating Narratives [CDE2000] [Pre-Requisite: ES1103]</p>	<p style="color: green;">EE2027 Electronics Circuits [Pre-Requisite: EE2111A]</p>	<p style="color: orange;">SPN / TE / Minor / UE 4</p>	<p style="color: orange;">SPN / TE / Minor / UE 5</p>
<p style="color: blue;">GE Course 4 or ES1103²</p>	<p style="color: blue;">GE Course 5 or SPN / TE / Minor / UE</p>	<p style="color: green;">EE2026 Digital Design OR EE2028 Microcontroller Programming and Interfacing</p>	<p style="color: green;">PC2020 Electromagnetics for Electrical Engineers [Pre-Req: MA1511 + MA1512]</p>	<p style="color: orange;">[EE2026 / EE2028 (if not taken, can be used to fulfil UEM)] / SPN / TE / Minor / UE 3</p>		
<p style="color: green;">EE1111A Electrical Engineering Principles & Practice I</p>	<p style="color: green;">EE2111A Electrical Engineering Principles & Practice II</p>	<p style="color: green;">EE2022 Electrical Energy Systems [Pre-Requisite: EE2111A]</p>	<p style="color: green;">EE2023 Signals & Systems [Pre-Requisite: MA1512]</p>	<p style="color: blue;">GE Course 6 or SPN / TE / Minor / UE</p>		
20 units	20 units	20 units	20 units	18 units	12 units	12 units

NOTE:

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