

POSSIBLE SCHEDULE (3 YEARS) FOR STUDENTS WITH POLYTECHNIC DIPLOMA ADMITTED TO EE2 IN AY2025/26

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

AY25/26, S1	AY25/26, S2	AY26/27, S1	AY26/27, S2	AY27/28, S1	AY27/28, S2
Schedule I	Schedule II	Schedule III	Schedule IV	Schedule V	Schedule VI
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) <i>(For those not done)</i>	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]	Singapore Studies (CDE2501 Liveable Cities)	EE3033 Systems Integration and Design Lab [Pre-Req: EE2023, EE2026, EE2027]	Technical Elective
Digital Literacy (CS1010E Programming Methodology)	Project Management (PF1101A Project Management and Finance)	EE2028 Microcontroller Programming and Interfacing [Pre-Requisite: EE2111A & CS1010E]	EE2012 Analytical Methods in ECE [Pre-Req: MA1511 + MA1512]	Extended Core Technical Elective	SPN / TE / Minor / UE 3
Cultures and Connections (GEC) / ES1103	EE2026 Digital Design [Pre-Requisite: CS1010E]	EE2022 Electrical Energy Systems [Pre-Requisite: EE2111A]	EE2023 Signals & Systems [Pre-Requisite: MA1512]	Technical Elective	SPN / TE / Minor / UE 4
EE1111A Electrical Engineering Principles & Practice I	EE2111A Electrical Engineering Principles & Practice II	EE2027 Electronics Circuits [Pre-Requisite: EE2111A]	PC2020 Electromagnetics for Electrical Engineers [Pre-Req: MA1511 + MA1512]	EG2401A (2units) Engineering Professionalism [Pre-Requisite: ES2631]	SPN / TE / Minor / UE 5 <i>for those done ES1103 in S1, do GEC if you have not fulfilled all 6 GE courses)</i>
		Communities and Engagement (GEN)			
20 units	20 units	24 units	20 units	18 units	20 units

NOTE:

- 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.**
- 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.
- Poly Exemptions:** UE (20 units), Industrial Attachment (10 units), EG1311 Design and Make (4 units), DTK1234 Design Thinking (4 units). Total: 38units
- Common Curriculum (40 units):** CDE common curriculum (denote by courses in grey) + **NUS General Education** (denote by courses in blue: CS1010E, ES2631, GEA1000, CDE2501 & GEC, GEN course)
- Unrestricted Electives (UE, 40 units):** denote by courses in orange (courses can be used to fulfil SPN(Specialization)/ Technical electives(TE)/ 2nd major/ Minor, etc). Students need to plan in advance to fulfil the pre-req of the courses for their SPN/TE/2nd Major/minor.
- Major Requirements (80units):** Engineering Core, denote by courses in purple (20units) & EE Core/Major, denote by courses in green (60units).
- Students may opt to do Special Term (ST) courses to reduce workload in regular sem. ST fees applies. Details at <https://www.nus.edu.sg/registrar/academic-activities/special-term>
- 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.

POSSIBLE SCHEDULE (3.5 YEARS) FOR STUDENTS WITH POLYTECHNIC DIPLOMA ADMITTED TO EE2 IN AY2025/26

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

AY25/26, S1	AY25/26, S2	AY26/27, S1	AY26/27, S2	AY27/28, S1	AY27/28, S2	AY28/29, S1
Schedule I	Schedule II	Schedule III	Schedule IV	Schedule V	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)	EE3033 Systems Integration and Design Lab [Pre-Req: EE2023, EE2026, EE2027]	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]	Singapore Studies (CDE2501 Liveable Cities)	Extended Core Technical Elective	Technical Elective	Technical Elective
Digital Literacy (CS1010E Programming Methodology)	Project Management (PF1101A Project Management and Finance)	EE2028 Microcontroller Programming and Interfacing [Pre-Requisite: EE2111A & CS1010E]	EE2012 Analytical Methods in ECE [Pre-Req: MA1511 + MA1512]	PC2020 Electromagnetics for Electrical Engineers [Pre-Req: MA1511 + MA1512]	SPN / TE / Minor / UE4	SPN / TE / Minor / UE5 for those done ES1103 in S1, do GEC if you have not fulfilled all 6 GE courses)
Cultures and Connections (GEC) / ES1103	EE2026 Digital Design [Pre-Requisite: CS1010E]	EE2022 Electrical Energy Systems [Pre-Requisite: EE2111A]	EE2023 Signals & Systems [Pre-Requisite: MA1512]	EG2401A (2units) Engineering Professionalism [Pre-Requisite: ES2631]	SPN / TE / Minor / UE3	
EE1111A Electrical Engineering Principles & Practice I	EE2111A Electrical Engineering Principles & Practice II	EE2027 Electronics Circuits [Pre-Requisite: EE2111A]		Communities and Engagement (GEN)		
20 units	20 units	20 units	16 units	18 units	16 units	12 units

NOTE:

- 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.**
- 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.
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- Major Requirements (80units):** Engineering Core, denote by courses in purple (20units) & EE Core/Major, denote by courses in green (60units).
- Students may opt to do Special Term (ST) courses to reduce workload in regular sem. ST fees applies. Details at <https://www.nus.edu.sg/registrar/academic-activities/special-term>
- The above is just a Recommended Schedule. Students should check that they fulfil their graduation requirement using the [FPG Checklist](#) and may adjust their study plan accordingly.