	a
Name:	Student ID:

AFG Checklist for CEG students from AY2023/2024 intake

1. Common Curriculum Requirements Communities and Engagement - GEN Cultures and Connections - GEC Critique and Expression - ES2631 Critique and Communication of Thinking and Design Digital Literacy - GE010P rogramming Methodology Data Literacy - GEA1000 Quantitative Reasoning with Data Singapore Studies - GESS Artificial Intelligence - EE2211 Introduction to Machine Learning Artificial Introduction to Trode Introduction to Artificial Introduction Introduction Artificial Introduction Introduction Artificial Introduction Introduction Introduction Introduction Artificial Introduction Introduc		Have I fulfilled the following requirements?	Units	Tick if fulfilled
Cultures and Connections - GEC Critique and Expression - ES2631 Critique and Communication of Thinking and Design 4 Digital Literacy - CSI010 Programming Methodology 4 Data Literacy - GEA1000 Quantitative Reasoning with Data 4 Singapore Studies - GESS 4 Artificial Intelligence - EE2211 Introduction to Machine Learning 4 Creating Narratives - CDE2000 Creating Narratives 4 Design Thinking - DTK1234 Design Thinking 4 Integrated Project - CG4002 Computer Engineering Capstone Project 8 Maker Space - EG1311 Design and Make 4 Project Management - PF1101 Fundamentals of Project Management 4 Sustainable Futures - CDE2501 Liveable Cities 4 Systems Thinking - IE2141 Systems Thinking and Dynamics 4 Programme Requirements: 60 Engineering Core 7 MA1511 Engineering Calculus 2 MA1512 Differential Equations for Engineering 2 MA1512 Differential Equations for Engineering 2 MA1508E Linear Algebra for Engineering 4 EG2401A Engineering Professionalism 2 CP3880 Advanced Technology Attachment Programme (12 units) OR EG3611A Industrial Attachment (10 units) 10 CEG Major GG2023 Signals & Systems 4 CG2023 Signals & Systems 4 CG2027 Transistor-level Digital Circuits 2 CG2028 Computer Organization 2 CG2028 Computer Organization 4 CS2030 Signals & Systems 4 CS2040 C Data Structures and Algorithms CS2113 Officare Engineering & Object-Oriented Programming 4 EE2026 Digital Design EE4204 Computer Networks 4 Unrestricted Electives (UE): 40 Which may be acquired through: - Bridging courses e.g. MA1301 and PC1201 - CEG Technical Electives (UE): 40 Which may be acquired through: - E51103 English for Academic Purposes (if not exempted)	1.	Common Curriculum Requirements	60	
Critique and Expression - ES2631 Critique and Communication of Thinking and Design Digital Literacy - CS1010 Programming Methodology 4 Data Literacy - CS1010 Programming Methodology 4 Singapore Studies - GESS 4 Artificial Intelligence - EE2211 Introduction to Machine Learning 4 Creating Narratives - CDE2000 Creating Narratives 4 Design Thinking - DTK1234 Design Thinking 4 Integrated Project - CG4002 Computer Engineering Capstone Project 8 Maker Space - EG1311 Design and Make 4 Project Management - PF1101 Fundamentals of Project Management 4 Sustainable Futures - CDE2501 Liveable Cities 4 Systems Thinking - IE2141 Systems Thinking and Dynamics 4 2. Programme Requirements: 60 Engineering Core MA1511 Engineering Calculus MA1512 Differential Equations for Engineering 2 MA1512 Differential Equations for Engineering 2 MA15108E Linear Algebra for Engineering 4 EG2401A Engineering Professionalism 2 CP3880 Advanced Technology Attachment Programme (12 units) OR EG3611A Industrial Attachment (10 units) CEG Major CG1111A Engineering Principles and Practice I 4 CG2111A Engineering Principles and Practice I 4 CG2027 Transistor-level Digital Circuits 2 CG2028 Computer Organization 2 CG2027 Transistor-level Digital Circuits 2 CG2028 Computer Organization 2 CG2027 Transistor-level Digital Circuits 4 CS2113 Software Engineering & Object-Oriented Programming 4 EE2026 Digital Design 4 EE4204 Computer Networks 4 CS2013 English for Academic Purposes (if not exempted)			4	
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Data Literacy - GEA1000 Quantitative Reasoning with Data Singapore Studies - GESS Aftificial Intelligence - EE2211 Introduction to Machine Learning Artificial Intelligence - EE2211 Introduction to Machine Learning Artificial Intelligence - EE2211 Introduction to Machine Learning Artificial Intelligence - CDE2000 Creating Narratives Design Thinking - DTK1234 Design Thinking A Integrated Project - CG4002 Computer Engineering Capstone Project B Maker Space - EG1311 Design and Make A Project Management - PF1101 Fundamentals of Project Management A Sustainable Futures - CDE2501 Liveable Cities Systems Thinking - IE2141 Systems Thinking and Dynamics A Systems Thinking - IE2141 Systems Thinking and Dynamics A Programme Requirements: B GO Engineering Core MAI511 Engineering Calculus MAI512 Differential Equations for Engineering A EG2401A Engineering Professionalism CP380 Advanced Technology Attachment Programme (12 units) OR EG3611A Industrial Attachment (10 units) CEG Major CG1111A Engineering Principles and Practice I CG2111A Engineering Principles and Practice II CS1231 Discrete Structures CG2023 Signals & Systems CG2023 Signals & Systems CG2023 Signals & Systems CG2026 Computer Organization CG217 Real-Time Operating Systems CS2113 Software Engineering & Object-Oriented Programming EE2026 Digital Design EE4204 Computer Networks A Unrestricted Electives (UE): Which may be acquired through: Bridging courses e.g. MA1301 and PC1201 - CEG Technical Electives - CEG Specialisation(S) - E51103 English for Academic Purposes (if not exempted)		Critique and Expression - ES2631 Critique and Communication of Thinking and Design	4	
Singapore Studies - GESS Artificial Intelligence - EE2211 Introduction to Machine Learning Creating Narratives - CDE2000 Creating Narratives Design Thinking - DTK1234 Design Thinking Integrated Project - GG4002 Computer Engineering Capstone Project Maker Space - EG1311 Design and Make Project Management - PF1101 Fundamentals of Project Management Sustainable Futures - CDE2501 Liveable Cities Systems Thinking - IE2141 Systems Thinking and Dynamics 4 Programme Requirements: Engineering Core MA1511 Engineering Calculus MA1512 Differential Equations for Engineering EG2401A Engineering Frofessionalism CP3880 Advanced Technology Attachment Programme (12 units) OR EG3611A Industrial Attachment (10 units) CE6 Major CG1111A Engineering Principles and Practice I CG2111A Engineering Principles and Practice II CS1231 Discrete Structures CG2023 Signals & Systems CG2027 Transistor-level Digital Circuits CG2028 Computer Organization CG2271 Real-Time Operating Systems CS2040C Data Structures and Algorithms CS2113 Software Engineering & Object-Oriented Programming EE2026 Digital Design EE2026 Digital Design EE2026 Digital Design EE2026 Specialisation(s) - ES1103 English for Academic Purposes (if not exempted)			4	
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- Bridging courses e.g. MA1301 and PC1201 - CEG Technical Electives - CEG Specialisation(s) - ES1103 English for Academic Purposes (if not exempted)	<u> </u>		10	
- <u>CEG Technical Electives</u> - <u>CEG Specialisation(s)</u> - <u>ES1103 English for Academic Purposes</u> (if not exempted)		,		
- <u>CEG Specialisation(s)</u> - <u>ES1103 English for Academic Purposes</u> (if not exempted)				
- <u>Innovation and Design Programme</u> (iDP) and/or <u>NUS Overseas Colleges</u> (NOC)		- <u>ES1103 English for Academic Purposes</u> (if not exempted)		
		- <u>Innovation and Design Programme</u> (iDP) and/or <u>NUS Overseas Colleges</u> (NOC)		

Have I fulfilled all requirements to graduate?	160 (min)	
- <u>Double/Second Major</u> [Almost all/any courses offered within NUS, can count as/be used to fulfil UE, so choose wisely!]		
- Enhancement programmes e.g. UROP via <u>CDE</u> or <u>SoC</u> - <u>Minor programmes</u>		

Other information:

- 1. **Limit on Level 1000 courses:** Students should <u>not read more than 60 units of level 1000 courses</u> towards their degree requirements (minimum of 160 units for graduation).
- 2. **Satisfactory / Unsatisfactory (S/U) option (AY2023 intake):** Refer to <u>S/U homepage within student portal</u> for more information.
- Advanced Placement Credits (APCs) for Poly graduates admitted to CEG in AY2023/24 DTK1234 Design Thinking 4 units EG1311 Design and Make 4 units EG3611P Industrial Attachment 10 units

Unrestricted Electives: 20 units