Name: _____ Student ID: _____

AFG Checklist for CEG students from AY2024/2025 intake

	Have I fulfilled the following requirements?	Units	Tick if fulfilled
1.	**Common Curriculum Requirements**	**60**	
	Communities and Engagement - more details on C&E pillar here	4	
	Cultures and Connections - GEC	4	
	Critique and Expression - ES2631 Critique and Communication of Thinking and Design	4	
	Digital Literacy - CS1010 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	
2.	**Programme Requirements:**	**60**	
	Engineering Core		
	MA1511 Engineering Calculus	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		
	CG1111A Engineering Principles and Practice I	4	
	CG2111A Engineering Principles and Practice II	4	
	CS1231 Discrete Structures	4	
	CG2023 Signals & Systems	4	
	CG2027 Transistor-level Digital Circuits	2	
	CG2028 Computer Organization	2	
	CG2271 Real-Time Operating Systems	4	
	CS2040C Data Structures and Algorithms	4	
	CS2113 Software Engineering & Object-Oriented Programming	4	
	EE2026 Digital Design	4	
	EE4204 Computer Networks	4	
3.	**Unrestricted Electives (UE):**	**40**	
	which may be acquired through: - Bridging courses e.g. MA1301 and PC1201 - CEG Technical Electives - CEG Specialisation(s) - ES1103 English for Academic Purposes (if not exempted) - Innovation and Design Programme (iDP) and/or NUS Overseas Colleges (NOC) - Enhancement programmes e.g. UROP via CDE or SoC		

	- Minor programmes - Double/Second Major [Almost all/any courses offered within NUS, can count as/be used to fulfil UE, so choose wisely!]		
	Have I fulfilled all requirements to graduate?	**160 (min)**	

Other information/checks:

1. **Limit on Level 1000 courses**
   Students should not read more than 60 units of level 1000 courses towards degree requirements

2. **Satisfactory / Unsatisfactory (S/U) option (AY2024 intake)**
   Refer to S/U homepage within student portal for more information.

3. **Advanced Placement Credits (APCs) for Poly graduates admitted to CEG in AY2024/25**
   Refer to https://ceg.nus.edu.sg/students/second_year/ -> Exemptions for Poly intake

4. **Residency Requirements** – minimum 80 units of NUS graded courses

5. **Minimum 60% of NUS-graded credits in Major**