

Name: \_\_\_\_\_  
 Contact No: \_\_\_\_\_

Student Number: \_\_\_\_\_

**FFG Checklist for CEG Students of AY2016 intake  
 (Direct intake to CEG1 in AY2016 and Common Engr streamed to CEG2 in AY2017):**

	Have I fulfilled the following requirements?	MCs	Tick if fulfilled
1.	<b>University Level Requirements (ULR):</b>	<b>20</b>	
	<b>General Education Module (GEM)</b> Students are required to read 20 MCs, consisting of one GEM from each of the five pillars		
	▪ Human Cultures GEH1xxx		
	▪ Asking Questions GEQ1xxx		
	▪ Quantitative Reasoning GER1000		
	▪ Singapore Studies GES1xxx		
	▪ Thinking and Expression GET1xxx		
	Notes: 1. RVRC residents are allowed to read GEM1917 Understanding and Critiquing Sustainability (or equivalent) to fulfill the AQ pillar. 2. From the AY2016/17 student cohort onwards, students enrolled in USP or UTCP are required to read GER1000/a module from the Quantitative Reasoning pillar in partial fulfilment of the ULR. They are not required to read GE modules from the other four pillars, as they will fulfil their ULR via USP/UTCP.		
2.	<b>Unrestricted Elective Module (UEM):</b>	<b>16</b>	
	which may be acquired through:		
	<b>i) ES1103 English for Academic Purposes</b> (compulsory, if not exempted) - refer to <a href="http://www.nus.edu.sg/celc/programmes/es1103.php">http://www.nus.edu.sg/celc/programmes/es1103.php</a>		
	<b>ii) Enhancement programmes</b> - refer to <a href="http://www.eng.nus.edu.sg/undergrad/epmc/">http://www.eng.nus.edu.sg/undergrad/epmc/</a>		
	<b>iii) Minor programmes</b> - refer to <a href="http://www.eng.nus.edu.sg/ugrad/SP_minors.html">http://www.eng.nus.edu.sg/ugrad/SP_minors.html</a>		
	<b>iv) Additional CEG Technical Electives</b> - refer to <a href="http://ceg.nus.edu.sg/curriculum/electives.html">http://ceg.nus.edu.sg/curriculum/electives.html</a>		
	<b>v) University Scholars Programme (USP)</b> - refer to <a href="http://www.usp.nus.edu.sg/">http://www.usp.nus.edu.sg/</a>		
	<b>vi) NUS Overseas Colleges (NOC)</b> - refer to <a href="http://enterprise.nus.edu.sg/educate/nus-overseas-colleges">http://enterprise.nus.edu.sg/educate/nus-overseas-colleges</a>		
3.	<b>Programme Requirements:</b>	<b>125</b>	
	<b>CEG Core Modules</b>		
	CG1001 Introduction to Computer Engineering (2 MCs)		
	CG1108 Electrical Engineering (4 MCs)		
	CG2023 Signals & Systems (4 MCs)		
	CG2271 Real-Time Operating Systems (4 MCs)		
	CG3207 Computer Architecture (4 MCs)		
	CS1010 Programming Methodology (4 MCs)		
	CS1020 Data Structures and Algorithms I (4 MCs)		
	CS1231 Discrete Structures (4 MCs)		
	CS2101 Effective Communication for Computing Professionals (4 MCs)		
	CS2103T Software Engineering (4 MCs)		
	EE2020 Digital Fundamentals (5 MCs)		
	EE2021 Devices & Circuits (4 MCs)		
	EE2024 Programming for Computer Interfaces (5 MCs)		
	EE3204 Computer Communication Networks I (4 MCs)		
	EG2401 Engineering Professionalism (3 MCs)		

ES1531 Critical Thinking & Writing (4 MCs)		
MA1505 Mathematics I (4 MCs)		
MA1506 Mathematics II (4 MCs)		
PC1432 Physics IIE (4 MCs)		
ST2334 Probability & Statistics (4 MCs)		
<a href="#">CP3880 Adv Tech Attachment Prog OR EG3611 Industrial Attachment</a> (12 MCs)		
<b>CEG Projects</b>		
CG3002 Embedded Systems Design Project (6 MCs)		
EE3031 Innovation & Enterprise I (4 MCs)		
CG4001 B.Eng. Dissertation (12 MCs)		
<b>CEG Technical Electives</b>		
Minimum of <b>three</b> Technical Electives ( <b>at least 12 MCs in total</b> ) as follows: Depth (D) requirements - at least <b>TWO technical depth electives</b>		
Note: All three technical electives must add up to (at least) 12 MCs. If not, student has to take more technical electives to make up to 12 MCs.		
<b>Have I fulfilled all requirements to graduate?</b>	<b>161 (min)</b>	

**Other information:**1. **Limit on Level 1000 modules:**

Students should not read more than 60 MCs of level 1000 modules towards their degree requirements (minimum of 160 MCs for graduation). Refer to [http://www.eng.nus.edu.sg/ugrad/SI\\_faq.html#A9](http://www.eng.nus.edu.sg/ugrad/SI_faq.html#A9).

2. **S/U Option (AY2016 intake):**

Please refer to the following links for more information on S/U Option:

<https://myportal.nus.edu.sg/studentportal/academics/ug/su-homepage.html>

<https://myportal.nus.edu.sg/studentportal/academics/ug/cohort-201617-and-after.html>

3. **Module Type Code:**

11	TECHNICAL ESSENTIAL	G9	GE MODULES FOR COHORT 2015 ONWARDS
12	TECHNICAL ELECTIVE	MB	DOUBLE COUNT (MINOR & ULR BREADTH)
17	MINOR MODULE	ME	DOUBLE COUNT (MINOR & TECHNICAL ELECTIVE)
27	UEM (UNRESTRICTED ELECTIVE OUTSIDE MAJOR)	MU	DOUBLE COUNT (MINOR & UEM)

For conversion of module type code, please refer to [http://www.eng.nus.edu.sg/ugrad/SI\\_Module\\_declaration.html](http://www.eng.nus.edu.sg/ugrad/SI_Module_declaration.html).