

Name: _____

Student Number: _____

Contact No.: _____

FFG Checklist for CEG Students of AY2016 intake (Poly intake to CEG2 in AY2016):

	Have I fulfilled the following requirements?	MCs	Tick if fulfilled
1.	General Education:	20	
	General Education Module (GEM) 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.	Unrestricted Elective Module (UEM): <i>exempted 16 MCs</i>	16	
	i) ES1103 English for Academic Purposes (compulsory, if not exempted) - refer to http://www.nus.edu.sg/celc/programmes/es1103.php		
	ii) Internship or other enhancement programmes - refer to http://www.eng.nus.edu.sg/undergrad/epmc/		
	iii) Minor Programmes - refer to http://www.eng.nus.edu.sg/ugrad/SP_minors.html		
	iv) Additional CEG Technical Electives - refer to http://ceg.nus.edu.sg/curriculum/electives.html		
	v) University Scholars Programme (USP) - refer to http://www.usp.nus.edu.sg/		
	vi) NUS Overseas Colleges (NOC) - refer to http://enterprise.nus.edu.sg/educate/nus-overseas-colleges		
	<i>As Poly students are exempted from UEM, any of above (if taken) will count on top, and above the minimum 160 MCs requirements.</i>		
3.	Programme Requirements	125	
	CEG Core Modules		
	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) - <i>exempted</i>		
	CS2103/T Software Engineering (4 MCs)		
	EE2020 Digital Fundamentals (5 MCs)		
	EE2021 Devices & Circuits (4 MCs) OR EE2027 Electronic 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)		
[In lieu of 6-month industrial attachment]		
PC1222 Fundamentals of Physics II (4 MCs)		
MA1301 Introductory Mathematics (4 MCs)*		
UEM (4 MCs) - <i>exempted</i>		
CEG Projects		
CG3002 Embedded Systems Design Project (6 MCs)		
EE3031 Innovation & Enterprise I (4 MCs)		
CG4001 B.Eng. Dissertation (12 MCs)		
CEG Technical Electives		
Minimum of three Technical Electives (at least 12 MCs in total) as follows:		
Depth (D) requirements - at least TWO technical depth electives		
Note: All 3 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.		
Have I fulfilled all requirements to graduate?	161	(min)

Other information:**1. Poly graduates admitted to CEG in AY2016/17:**

1.1 *Poly students with the relevant Diploma Plus certificate in Mathematics (i.e. exempted from MA1301) will need to read an additional Technical Elective (in lieu of MA1301).

1.2 Poly students admitted to CEG in AY2016/17, will follow CEG AY2016/17 curriculum and may be eligible for the following exemptions (up to 32 MCs), depending on his/her Diploma from the polytechnic.

- **Unrestricted Elective Module (UEM) x 5** **20 MCs**
- **Programme Requirements** **(up to) 12 MCs**
 - CS2101 Effective Communication for Computing Professionals 4 MCs
 - CG1108 Electrical Engineering OR CS1010 Programming Methodology 4 MCs
 - [Students from Ngee Ann Polytechnic, with Minor in Business Management, may also be exempted from EE3031 Innovation & Enterprise (4 MCs).]

For details on the poly exemptions based on the specific accredited diplomas, please refer to <http://www.ceg.nus.edu.sg/admissions/>.

2. 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#A10.

Note: The 12 MCs UEMs (out of total 20 MCs) granted to diploma holders will not count against the limit on level 1000 modules.

3. 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>

4. 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.