

As of 1 June 2018

1 June 2018: Added EE4204 as mapping module for EE3204

8 August 2017: Added EE2027 as mapping module for EE2021

Name: _____

Student Number: _____

Contact No: _____

FFG Checklist for CEG Students of AY2016 intake

(Direct intake to CEG1 in AY2016 and Common Engrg streamed to CEG2 in AY2017):

| | Have I fulfilled the following requirements? | MCs | Tick if fulfilled |
|----|--|------------|-------------------|
| 1. | University Level Requirements (ULR): General Education Module (GEM) Students are required to read 20 MCs, consisting of one GEM from each of the five pillars <ul style="list-style-type: none"> ▪ Human Cultures GEH1xxx ▪ Asking Questions GEQ1xxx ▪ Quantitative Reasoning GER1000 ▪ Singapore Studies GES1xxx ▪ Thinking and Expression GET1xxx Notes: <ol style="list-style-type: none"> 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. | 20 | |
| 2. | Unrestricted Elective Module (UEM): which may be acquired through: <ul style="list-style-type: none"> i) ES1103 English for Academic Purposes (compulsory, if not exempted) - refer to http://www.nus.edu.sg/celc/programmes/es1103.php ii) 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 | 16 | |
| 3. | Programme Requirements: 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) CS2103T 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) | 125 | |

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| | | | |
|--|---|----------------------------|--|
| | EE3204 Computer Communication Networks I (4 MCs) OR EE4204 Computer Networks (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) | | |
| | CP3880 Adv Tech Attachment Prog OR EG3611 Industrial Attachment (12 MCs) | | |
| | 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 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. | | |
| | Have I fulfilled all requirements to graduate? | 161 (min) | |

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.

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.