

## Graduation requirements for Double Degree Programme

BEng (CEG), BBA for AY2020 intake - CEG requirements only  
Minimum MCs for BEng (CEG) and BBA: 184

	Degree Requirements		MCs	MCs
<b>A.</b>	<b>University Level Requirements (ULR)</b>			<b>20</b>
	One General Education Module (GEM) from each of the five pillars:			
	Human Cultures – GEH1xxx	CA	4	
	Asking Questions – GEQ1000	CA	4	
	Quantitative Reasoning – GER1000	CA	4	
	Singapore Studies – GES1xxx	CA	4	
	Thinking and Expression – GET1xxx	CA	4	
<b>B.</b>	<b>School of Business - BBA Programme Requirements</b>			<b>54</b>
	Please check with BBA office.	C2		
<b>C.</b>	<b>FoE &amp; SoC - BEng (CEG) Programme Requirements</b>			<b>90</b>
	<b>Major Requirements:</b>			
	<b>CEG Core Modules</b>			
	CG1111 Engineering Principles and Practice I	C1	6	
	CG1112 Engineering Principles and Practice II	C1	6	
	CS1010 Programming Methodology	C1	4	
	CS1231 Discrete Structures	C1	4	
	MA1511 Engineering Calculus	C1	2	
	MA1512 Differential Equations for Engineering	C1	2	
	MA1508E Linear Algebra for Engineering	C1	4	
	CG2023 Signals & Systems	C1	4	
	CG2027 Transistor-level Digital Circuits	C1	2	
	CG2028 Computer Organization	C1	2	
	CG2271 Real-Time Operating Systems	C1	4	
	CS2040C Data Structures and Algorithms	C1	4	
	CS2113/T Software Engineering & Object-Oriented Programming	C1	4	
	EE2026 Digital Design	C1	4	
	EG2401A Engineering Professionalism	C1	2	
	ST2334 Probability & Statistics	C1	4	
	CG3207 Computer Architecture OR	C1	4	
	CS3230 Design and Analysis of Algorithms	C1	4	
	CG4002 Computer Engineering Capstone Project	C1	8	
	EE4204 Computer Networks	C1	4	
	<b>CEG Technical Electives</b>			
	- at least 12 MCs technical Depth electives from any concentration	C1	16	
	- another 4 MCs technical Breadth/Depth electives from any concentration			
<b>D.</b>	<b>Common Modules</b>			<b>20</b>
	<b>One common (core) module from BEng and BBA: 4 MCs</b>			
	ES2002 Business Communication for Leaders or UWC2101% (USP) or ES1601 (RVRC)	CA	4	
	<b>Four common (elective) modules from BEng (CEG)/BBA: 16 MCs</b>			
	Minimum two CEG technical electives from Table 1	CA	8	
	Minimum two BBA modules from Table 1	CA	8	
<b>E.</b>	<b>Unrestricted Elective Requirements (UEM): Exempted</b>	-	-	<b>EXE</b>
	<b>Total for BEng (CEG), BBA</b>			<b>184</b>

**C1 / C2 / CA CLASSIFICATION:**

The modules that DDP students take are counted towards the CAP in the following manner:

First / Primary degree	Classified as <b>C1</b> in the database
Second / Secondary degree	Classified as <b>C2</b> in the database
Both degrees	Classified as <b>CA</b> in the database

*Additional modules taken will be counted towards C1, except for modules offered by the faculty of the student's second degree, which will be classified as C2.*

**Table 1: Common Modules in the BEng (CEG) & BBA Double Degree programme**

BEng modules***	BBA modules***
EE3031 Innovation & Enterprise I	DBA3701 Introduction to Optimization (anti-req: IE2110)
EE3801 Data Engineering Principles	DBA4811 Analytical Tools for Consulting
EE4211 Data Science for the Internet of Things (anti-req: EE4802)	DOS3701 Supply Chain Management
EE4802 Learning from Data (anti-req: EE4211)	DOS3702 Purchasing and Materials Management
IE2110 Operations Research I (anti-req: DBA3701)	DOS3711 Strategic Information Systems
MT4002 Technology Management Strategy	FIN3701 Corporate Finance
	FIN3702 Investment Analysis and Portfolio Management

\*\*\* Subject to approval of student's host Department. This list may be updated by the Faculty of Engineering and School of Business acting in concert.

Other relevant information:

CEG Technical Electives - <https://ceg.nus.edu.sg/curriculum/electives-ay17/>

Faculty of Engineering - <https://www.eng.nus.edu.sg/undergraduate/double-degrees/double-degree-programme-in-engineering-economics/>

Registrar's Office - <http://www.nus.edu.sg/registrar/academic-information-policies/undergraduate-students/special-programmes/double-degree-programmes>