

Graduation requirements for Double Degree Programme

BEng (CEG), BBA (Hons) for AY2016 intake - CEG requirements only
Minimum MCs for BEng (CEG) and BBA (Hons): 222 or 226

	Degree Requirements		MCs	MCs
A.	University Level Requirements (ULR)			20
	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.	School of Business - BBA (Hons) Programme Requirements			80
	For BBA (Hons) requirements, please refer to: http://bba.nus.edu/academic-programmes/bba-programme/curriculum	C2		
C.	FoE & SoC - BEng (CEG) Programme Requirements			94/98
	Major Requirements:			
	CEG Core Modules:			
	CG1001 Introduction to Computer Engineering	C1	2	
	CG1108 Electrical Engineering	C1	4	
	CG2023 Signals & Systems	C1	4	
	CG2271 Real-time Operating Systems	C1	4	
	CG3207 Computer Architecture	C1	4	
	CS1010 Programming Methodology	C1	4	
	CS1020 Data Structures and Algorithms I	C1	4	
	CS1231 Discrete Structures	C1	4	
	CS2103/T Software Engineering	C1	4	
	EE2020 Digital Fundamentals	C1	5	
	EE2021 Devices & Circuits	C1	4	
	EE2024 Programming for Computer Interfaces	C1	5	
	EE3204 Computer Communication Networks I	C1	4	
	ES1531 Critical Thinking & Writing USP students read UWC2101% (CA) in lieu of ES1531. Requirement is waived for students who passed ES1501% (CA)	C1	4	
	MA1506 Mathematics II	C1	4	
	PC1432 Physics IIE	C1	4	
	ST2334 Probability & Statistics	C1	4	
	CEG Core Projects:			
	CG3002 Embedded Systems Design Project	C1	6	
	CG4001 B.Eng. Dissertation	C1	12	
	CEG Technical Electives:			
	(a) Depth (D) requirements - at least 2 technical Depth electives from any concentration	C1	8	
	(b) Unrestricted - at least 1 technical Breadth/Depth elective from any concentration	C1	4	
D.	Common Modules			28
	Three Common Modules from BEng and BBA: 12 MCs			
	CS2101 Effective Communication for Computing Professionals (or ES2002 / ES1501% / IEM2201%) Requirement is waived for USP students who passed UWC2101%. Any student who dropped out of USP will still be required to fulfil this requirement.	CA	4	
	MNO2007 Leadership and Ethics (replaces EG2401 Engineering Professionalism)	CA	4	
	MA1505 Mathematics I (replaces DSC1007 Business Analytics – Models & Decisions)	CA	4	

	Four Common Modules from CEG/BBA:	16 MCs			
	Minimum two CEG - One CEG technical elective (from Table 1) - EE3031 Innovation & Enterprise I		CA	4	
	Minimum one BBA module (from Table 1)		CA	4	
	One CEG technical elective or One BBA module (from Table 1)		CA	4	
E.	Unrestricted Elective Requirements (UEM) - Exempted		-	-	EXE
	AY16 intake: TOTAL – BEng (CEG), BBA (Hons)				222/226

CA / C1 / C2 CLASSIFICATION:

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

1 st Degree	Classified as C1 in the database
2 nd Degree	Classified as C2 in the database
Both 1 st and 2 nd degrees	Classified as CA 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 - compulsory for CEG	FIN3101 Corporate Finance FIN3102 Investment Analysis and Portfolio Management
CS4244 Knowledge Based Systems (<i>anti-req</i> : DSC3213 Strategic Information Sys)	DSC3201 Supply Chain Management DSC3202 Purchasing & Materials Management
IE2110 Operations Research I (<i>anti-req</i> : DSC3214 Introduction to Optimization)	DSC3212 Internet Business Models DSC3213 Strategic Information Systems
IE2130 Quality Engineering I	DSC3214 Introduction to Optimization (anti- req: IE2110 Operations Research I) DSC3222L Dynamic Pricing and Revenue Management
	MNO3301 Organization Behavior BSP4511 Industry & Competitive Analysis
	DSC4211B/ DSC4213 Seminars in Ops & Supply Chain Management: Analytical Tools for Consulting DSC4211D/ DSC4212 SIOSCM: Managerial Decision Analysis

*** 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 - <http://www.ceg.nus.edu.sg/curriculum/electives.html>

Faculty of Engineering - [http://www.nus.edu.sg/prog/engbiz/program1617\(Hons\).html](http://www.nus.edu.sg/prog/engbiz/program1617(Hons).html)

Registrar's Office - <http://www.nus.edu.sg/registrar/education-at-nus/undergraduate-education/special-undergraduate-programmes/double-degree-programmes.html>