

Graduation requirements for Double Degree Programme

B.Eng. (CEG), BBA (Hons) of AY2013 intake - CEG requirements only
Minimum MCs for B.Eng. (CEG) + BBA (Hons): 218 **or 214 MCs**

	Degree Requirements		MCs	MCs
A.	University Level Requirements (ULR)			12
	General Education Module x 1 (from Subject Group A: Science & Technology)	CA	4	
	General Education Module x 1 (from Subject Group B: Humanities & Social Sciences)	CA	4	
	Singapore Studies x 1	CA	4	
B.	School of Business - BBA (Hons) Programme Requirements			76
	For BBA (Hons) requirements, please refer to: http://www.nus.edu.sg/prog/engbiz/overview.html	C2		
C.	FoE & SoC - B.Eng. (CEG) Programme Requirements			98 / 94
	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	
	CS2103T Software Engineering	C1	4	
	EE2020 Digital Fundamentals [Note: change from 4 to 5 MCs wef AY2013/14]	C1	5	
	EE2021 Devices & Circuits	C1	4	
	EE2024 Programming for Computer Interfaces [Note: change from 4 to 5 MCs wef AY2013/14]	C1	5	
	EE3204 Computer Communication Networks I	C1	4	
	ES1531 Critical Thinking and Writing (or IEM1201% for UTCP students)	C1	4	
	USP students read UWC2101% (CA) in lieu of ES1531. Requirement is waived for students who passed ES1501% (CA)	C1	0	
	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			32
	Four Common Modules from B.Eng. and BBA: 16 MCs			
	CS2101 Effective Communication for Computing Professionals (or ES2002 / ES1501% / IEM2201% for UTCP students) 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	

	MNO1001 Management and Organisation (Replaces HR2002 Human Capital in Organizations)	CA	4	
	MA1505 Mathematics I (Replaces DSC1007 Business Analytics – Models & Decisions)	CA	4	
	Four Common Modules from CEG/BBA: 16 MCs			
	Minimum two B.Eng. (CEG)			
	- One CEG technical elective (from Table 1)	CA	4	
	- EE3031 Innovation & Enterprise I	CA	4	
	Minimum one BBA module (from Table 1)	CA	4	
	One B.Eng. (CEG) technical elective or One BBA module (from Table 1)	CA	4	
E.	Unrestricted Elective Requirements (UEM) Exempted	-	-	EXE
	AY13 intake: TOTAL – B.Eng. (CEG), BBA (Hons)			218 / 214

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 B.Eng. (CEG) & BBA Double Degree programme

B.Eng. modules***	BBA modules***
EE3031 Innovation & Enterprise I - compulsory for B.Eng. (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 DCS3202 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 (<i>anti- req</i> : 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.

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Other relevant information:

CEG Technical Electives - <http://www.ceg.nus.edu.sg/curriculum/electives.html>

Faculty of Engineering - http://www.eng.nus.edu.sg/ugrad/SP_ddp.html

Registrar's Office - <http://www.nus.edu.sg/registrar/edu/UG/spuggp-double-degree.html>