

**COMPUTER ENGINEERING - Single Honours**

Single Honours Degree Requirements	MCs	Remarks	Classification
<b>(A) University Level Requirements</b>			
General education modules:			
GER1000 Quantitative Reasoning	4	Only 1 set needs to be completed for both BEng and BBA degrees. May be replaced by selected USP, RVRC or UTCP modules.	CA
GEQ1000 Asking Questions	4		CA
GET	4		CA
GEH	4		CA
GES	4		CA
<b>Sub-total for University Level Requirements</b>	<b>20</b>		
<b>(B) Engineering Programme Requirements</b>			
Faculty requirements:			
EG2401A Engineering Professionalism	2		C1
<b>CEG core modules:</b>			
CG1111 Engineering Principles and Practice I	6		C1
CG1112 Engineering Principles and Practice II	6		C1
CS1010 Programming Methodology	4		C1
CS1231 Discrete Structures	4		C1
MA1511 Engineering Calculus	2		C1
MA1512 Differential Equations for Engineering	2		C1
MA1508E Linear Algebra for Engineers	4		C1
CG2023 Signals and Systems	4		C1
CG2027 Transistor-level Digital Circuits	2		C1
CG2028 Computer Organization	2		C1
CG2271 Real-time Operating Systems	4		C1
CS2040C Data Structures and Algorithms	4		C1
CS2113T Software Engineering & Object-Oriented Programming	4		C1
EE2026 Digital Design	4		C1
ST2334 Probability and Statistics	4		C1
CG3207 Computer Architecture	4		C1
or CS3230 Design and Analysis of Algorithms			
EE4204 Computer Networks	4		C1
<b>CEG project and internship modules:</b>			
CG4002 Computer Engineering Capstone Project	8		C1
EG3611A Industrial Attachment or CP3880 Advanced Technology Attachment Programme	-	Exempted for DDP students	-
<b>CEG electives:</b>			
CEG technical electives	2		C1
CEG technical electives (depth)	12		C1
<b>Sub-total for Engineering Programme Requirements</b>	<b>88</b>		
<b>(C) Business Programme Requirements</b>			
<b>Business preparatory modules:</b>			
BPM1701 Calculus and Statistics	0	These modules must be completed within the first semester after matriculation or first semester of commencing the DDP for mid-stream DDP students.	-
BPM1702 Microsoft Excel Skills for Business	0		-
BPM1705 Understanding How Business Works	0		-
STR1000 Career Creation Starter Workshops	0		-
STR2000 Career Creation Starter Clinics	0		-
Global Immersion and Study	-		May be fulfilled through student exchange, overseas internship, case competition, or study trip.
<b>BBA core modules:</b>			
ACC1701 Accounting for Decision Makers	4		C2
BSP1702 Legal Environment of Business	4		C2
BSP1703 Managerial Economics	4		C2
BSP2701 Global Economy	2		C2
BSP3701 Strategic Management	4		C2
DAO1704 Decision Analytics Using Spreadsheets	4		C2
DAO2702 Programming for Business Analytics	4		C2
DAO2703 Operations and Technology Management	4		C2
FIN2704 Finance	4		C2
MKT1705 Principles of Marketing	4		C2
MNO1706 Organisational Behaviour	4		C2
MNO2705 Leadership and Decision Making under Uncertainty	4		C2
<b>BBA electives / specialisation modules:</b>			
BBA elective 1	4	It is not compulsory for DDP students to do a specialisation, but those who wish take up a specialisation will need to complete 24 MCs of specialisation modules.	C2
BBA elective 2	4		C2
<b>Sub-total for Business Programme Requirements</b>	<b>54</b>		
<b>(D) Common Modules</b>			
ES2002 Business Communication for Leaders (BBA)	4	Replaces CS2101 Effective Communication for Computing Professionals. Can also be replaced by UWC2101% (for USP students), ES1601 (for RVRC students), or UTW2001% (for UTCP students).	CA
BEng module 1	4	Select from list of Common Modules.	CA
BEng module 2	4		CA
BBA module 1	4		CA
BBA module 1	4		CA
<b>Sub-total for Common Modules</b>	<b>20</b>		
<b>TOTAL (minimum)</b>	<b>182</b>		