

UTS: Engineering
Course Template

Course: C09124 v1 BE (Hon) BAIS Dip Prof Eng Prac.
Major: Data Engineering

Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7	Stage 8	Stage 9	Stage 10	Stage 11
33130 Maths Mod 1 6 Core	33230 Maths Mod 2 6 33130 MM1 Core	41085 Fund Studio B 6 41084 FSA MAJ	41091 Data Systems 6 41085 FSB OR 41094 SES1B MAJ	48240 Design & Innovation Fundamentals 6 33130 MM1 48230 Eng. Comm. OR Core	48250 Eng Eco & Fin 6 48110 EE1 48230 Eng. Comm. 48240 Des. Innov. Core			48260 Eng Profl Man 6 48240 Des. Innov. 48122 EPR1 OR 48120 REP1 96 CP Core		41088 Prof Studio A 6 41087 ASB OR 48240 Des. Innov. 48260 EPM MAJ
48230 Eng Comm 6 Core	41084 Fund Studio A 6 41082 IDE OR 48510 IEEE MAJ	68037 Phys Mod 6 Core	41036 Engineering Professional Experience 1 (6cp)		Arts Major 8	Arts Major 8		48210 Interrogating Technology 6 48250 EEF MAJ	41046 Engineering Professional Experience 2 (6cp)	41030 Eng Capstone 6 41029 ERP MAJ
48430 Fund. of C Programming 6 MAJ	41092 Network Fund 6 MAJ	41081 Sens. Act. and Control 6 48430 FCP OR 48024 App. Prog. MAJ			41083 Data Engineering Design 6 41085 FSB OR 41094 SES1B MAJ	Sub-major choice	41087 Appl Studio B 6 41086 ASA MAJ	41030 Eng Capstone 6 41029 ERP MAJ		
41082 Intro to Data Engineering 6 MAJ	31250 Intro to Data Analytics 6 MAJ	41090 Information and Signals 6 33230 MM2 MAJ			41086 Appl Studio A 6 41085 FSB MAJ	41029 Eng Res Prep 6 48260 EPM OR 41048 EPR 2 48 CP	41087 Appl Studio B 6 41086 ASA MAJ	41030 Eng Capstone 6 41029 ERP MAJ		
		41035 Eng Prac 3 48230 Eng. Comm. PP Adm STM90994	41037 WIL 1 12 41036 EPE1 41035 EPP1 PP	41038 EPR 1 3 41037 WIL 1 41036 EPE1 PP			41045 EPP 2 3 41038 EPR 1 PP	41047 WIL 2 12 41046 EPE2 41045 EPP 2 PP	41048 EPR 2 3 41046 EPE2 41047 WIL 2 PP	

Stage 12

<u>Sub-major choice</u>
<u>Arts Major</u> 8
<u>Arts Major</u> 8

Sub Major Options 24cp

Consists of one Data Engineering Fundamentals subject and 3 sub-major subjects

Sub majors	Select 6 CP	A	B	C
SMJ03062 Cybersecurity MAJ	<u>Subject choice</u> 6 (Data Engineering Fundamentals)	48436 <u>Digital Forensics</u> 6 48730 Cyber Sec.	41900 <u>Security Fundamentals</u> 6 48410 IIE OR 41092 Net. Fund.	48730 <u>Cyber Security</u> 6 41900 Sec. Fund. 41092 Net. Fund.
	<u>Subject choice</u> 6 (Data Engineering Fundamentals)	48434 <u>Embedded Software</u> 6 48430 FCP	<u>Options (1 subject)</u> 6 48450 ROS OR 48033 IOT OR 48570 DAD OR 41908 RTN	<u>Options (1 subject)</u> 6 48450 ROS OR 48033 IOT OR 48570 DAD OR 41908 RTN
SMJ03063 Real-time Systems MAJ	<u>Subject choice</u> 6 (Data Engineering Fundamentals)	41092 <u>Network Fund.</u> 6	31256 <u>Image Proc. & Patt. Recog.</u> 6 48024 App. Prog.	41904 <u>Multimedia Analytics</u> 6 31256 IPPR
	<u>Subject choice</u> 6 (Data Engineering Fundamentals)	41903 <u>Internet Science</u> 6 41092 Net. Fund.	<u>Options (1 subject)</u> 6 41905 SDN OR 31275 MN OR 31274 NM	<u>Options (1 subject)</u> 6 41905 SDN OR 31275 MN OR 31274 NM
SMJ03064 Image Proces., M'Media and Pattern Recognition MAJ	<u>Subject choice</u> 6 (Data Engineering Fundamentals)	41903 <u>Internet Science</u> 6 41092 Net. Fund.	<u>Options (1 subject)</u> 6 41905 SDN OR 31275 MN OR 31274 NM	<u>Options (1 subject)</u> 6 41905 SDN OR 31275 MN OR 31274 NM
	<u>Subject choice</u> 6 (Data Engineering Fundamentals)	41903 <u>Internet Science</u> 6 41092 Net. Fund.	<u>Options (1 subject)</u> 6 41905 SDN OR 31275 MN OR 31274 NM	<u>Options (1 subject)</u> 6 41905 SDN OR 31275 MN OR 31274 NM
SMJ03065 Networks MAJ	<u>Subject choice</u> 6 (Data Engineering Fundamentals)	41903 <u>Internet Science</u> 6 41092 Net. Fund.	<u>Options (1 subject)</u> 6 41905 SDN OR 31275 MN OR 31274 NM	<u>Options (1 subject)</u> 6 41905 SDN OR 31275 MN OR 31274 NM
	<u>Subject choice</u> 6 (Data Engineering Fundamentals)	41903 <u>Internet Science</u> 6 41092 Net. Fund.	<u>Options (1 subject)</u> 6 41905 SDN OR 31275 MN OR 31274 NM	<u>Options (1 subject)</u> 6 41905 SDN OR 31275 MN OR 31274 NM

To be continued

CBK91233 - Subject choice (Data Engineering Fundamentals) 24cp

Select 24 CP from the following

31250	<u>Intro to Data Analytics</u>	6	41081	<u>Sens. Actu. and Control</u>	6
			48430	FCP	OR
			48024	App. Prog.	
MAJ			MAJ		
41090	<u>Information and Signals</u>	6	41092	<u>Network Fund.</u>	6
33230	MM2				
MAJ			MAJ		
48430	<u>Fund. of C Programming</u>	6			
MAJ					

Sub majors continued

Consists of one Data Engineering Fundamentals subject and 18cp points options

SMJ03066 Data Analytics	<u>Subject choice</u> 6	<u>Choose three subjects from the following options</u> 18								
	(Data Engineering Fundamentals)	31271	DF	OR	31005	ADA	OR	32146	DVVA	OR
		31256	IPPR	OR	31075	ORD	OR	31253	DP	OR
		42913	SINA							
SMJ91182 Data Engineering	<u>Subject choice</u> 6	<u>CBK91231</u> 6	<u>CBK91231</u> 6	<u>CBK91231</u> 6						
	(Data Engineering Fundamentals)	Tech subj choice(Data Engineering)	Tech subj choice(Data Engineering)	Tech subj choice(Data Engineering)						
SMJ03432 Software Engineering	<u>Subject choice</u> 6	<u>41025</u> <u>Intro to Software Development</u> 6	<u>Choose two subjects from the following options</u> 12							
	(Data Engineering Fundamentals)	48023	Prog. Fund.	31269	BRM	OR	48433	SA	OR	
		48430	FCP	31282	STQM	OR	41003	EAP	OR	
			48023	PF	OR	48024	AP	OR		
			31251	DSA	OR	31100	EDNET	OR		
			31927	ADNET	OR	31748	PI	OR		
			31242	AIP	OR	41001	CCSS	OR		
			31253	DP	OR	41026	ASD	OR		
		MAJ								

