

Programme Guide for Undergraduate Taught Programmes Engineering and Physical Sciences – Dubai Campus

Academic Year 202324

Academic Year Calendar for 202324

[Students are encouraged to check the Academic Calendar and be familiarise with the dates]

Programme List

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New Students	3
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BEng Chemical Engineering

	nemical Engineering	T T .				
Program		: Beng Chemical Engineer	ing			
Program		: B411-CEN				
Mode of	Study	: Full Time				
		Key Contacts				
	Designation	Name			Contact Emai	
Programn	ne Director	Dr Nasir Al Lagtah		n.al_lagtah	@hw.ac.uk	
Year 1 & 2	2 Coordinator	Dr Manjula Nair		manjula.na	ir@hw.ac.uk	
Year 3 & 4 Coordinator Dr Rebecca Lim				l.xiao_yien	@hw.ac.uk	
Course Code	Cou	rse Title	Mandator Optional		Semester	Semester Dates
		New Students	5			
		Year 1				
D4701		ptember Semester – 4 Man				
B17CA	Principles of Chemistry	or and trade of a fi	Mandatory	1	September	
B47AE	Engineering Professionalism Communication	n and Technical	Mandatory	1	September	Sept 2023 To
F17XA	Maths Engineers Scientists	1	Mandatory	1	September	Dec 2023
B47AF	Introduction to Process En	gineering*	Mandatory	1	Sept & Jan	
* <u>Note</u> : B	47AF is a course that is taugh	t across two semesters and n	nust be registe	ered on Sep	tember Semes	ter.
	J	anuary Semester – 3 Manda	atory Courses	3	1	
B17CB	Chemical Reactivity		Mandatory	<u> </u>	January	Jan 2024
B57AU	Introduction to Mechanica	l Engineering	Mandatory	<u> </u>	January	То
F17XB	Maths Engineers Scientists	2	Mandatory	1	January	Apr 2024
		Direct Entry & Continuin	g Students			
	2.0	Year 2	1-1			
B18AP		ptember Semester – 4 Man			Contombor	I
DIOAP	Chemical Thermodynamics Kinetics for Chemical Engir		Mandatory	′ 2	September	Comt 2022
B48BF	Industrial Chemical Process		Mandatory	, 2	September	Sept 2023 To
B48BB	Fluid Mechanics	563	Mandatory		September	Dec 2023
F18XC	Mathematics for Engineers	and Scientists 2	Mandatory		September	Dec 2023
TIONC		anuary Semester– 4 Manda			September	
B48BC	Thermodynamics	andary composer i manag	Mandatory		January	
B48BD	Heat Transfer		Mandatory		January	Jan 2024
B48BE	Process Design A		Mandatory		January	То
B48BG	Mathematical Modelling		Mandatory		January	Apr 2024
		Year 3			,	
		ptember Semester – 4 Mand				
В49СН	Process Control		Mandatory		September	1
B49CA	Separation Processes A		Mandatory		September	Sept 2023
B49CJ	Sustainable Development	and Engineering	Mandatory	3	September	То
	Management					Dec 2023
B49CC	Chemical Reaction Enginee	ering	Mandatory	3	September	

	January Semester – 4 Mandatory Courses								
B49CD	Separation Processes B	Mandatory	3	January	lan 2024				
B49CE	Multiphase Thermodynamics	Mandatory	3	January	Jan 2024				
B99BP	Bioprocessing	Mandatory	3	January	To Apr 2024				
B49CI	Process Health & Safety	Mandatory	3	January	Apr 2024				
	Year 4								
	September Semester – 4 Mandatory Courses								
B40DI	Separation Processes C	Mandatory	4	September	Cont 2022				
B40DJ	Sustainability Management and Process Economics	Mandatory	4	September	Sept 2023 To				
B40DK	Process Integration, Optimisation and Analysis	Mandatory	4	September	Dec 2023				
B40HE	Process Engineering Design Project *	Mandatory	4	September	DCC 2023				
* <u>Note</u> : B4	OHE is a course that is taught across two semesters and m	ust be registere	d on Sep	otember Semes	ter.				
	January Semester – 3 Mandat	ory Courses							
B40DD	Reaction Engineering	Mandatory	4	January	Jan 2024				
B40DL	Particle Technology	Mandatory	4	January	То				
B40DM	Applied Transport Phenomena	Mandatory	4	January	Apr 2024				

BEng Electrical & Electronic Engineering

Programme I								
Programme Name : BEng Electrical & Electronic Engineering								
Programme (Code	: B311-EEE						
Mode of Stu	dy	: Full Time						
Key Contacts								
Designation Name Contact Email								
Programme [Director	Dr Senthil Muthukumaraswa	amy	m.senthila	rumugam@hw	.ac.uk		
Year 1 Coord	linator	Dr Rula Sharqi	-	r.sharqi@h	ıw.ac.uk			
Year 2 Coord	linator	Mr Mounif Abdallah		m.abdallah	ı@hw.ac.uk			
Year 3 Coord	linator	Dr Prashanth K Soori		p.k.soori@	hw.ac.uk			
Year 4 Coord	linator	Dr Senthil Muthukumaraswa	amy	m.senthila	rumugam@hw	.ac.uk		
Course	Cours	se Title	Mandato	ry/ Year	Semester	Semester		
Code			Optiona	al		Dates		
		New Students						
		Year 1						
22755		otember Semester – 4 Mand	1 -					
	ntroduction to Electrical an		Mandator	-	September	Sept 2023		
-	Mechanics, Fields and Force	es	Mandator	·	September	To		
	Praxis Electronic Design	4	Mandator	•	September	Dec 2023		
F17XA N	Maths Engineers Scientists:	1 anuary Semester – 4 Mandat	Mandator	,	September			
F17XB N	Maths Engineers Scientists		Mandator		January			
	Praxis Programming		Mandator	-	January	Jan 2024		
	ntroduction to Mechanical	Fngineering	Mandator	<u> </u>	January	То		
	Waves and Matter	21161116211116	Mandator	-	January	Apr 2024		
		Direct Entry & Continuing		,	,			
		Direct Lifting & Continuing	Sudents					
		Year 2	1 0					
B38DB D		otember Semester– 4 Manda	Mandator		September			
-	Digital Design and Programı Circuits and Analysis	iiiiig	Mandator		September	Sept 2023		
	Sustainable Development a	nd angineering	Mandator		September	Зерт 2023 То		
	management	nd engineering	ivialidatoi	y 2	September	Dec 2023		
	Maths Engineers Scientists	3	Mandator	v 2	September	200 2020		
. 20/10		anuary Semester– 4 Mandat		,	Сортонност			
B38DF C	Computer Architecture and		Mandator		January	lan 2024		
	Electrical Power and Machi		Mandator	y 2	January	Jan 2024 To		
B38EM I	ntro Electricity & Magnetis	m	Mandator	y 2	January	Apr 2024		
F18XD N	Maths Engineers & Scientist		Mandator	y 2	January	7hi 7074		
		Year 3	-t					
D20AV F	-	otember Semester– 4 Manda			Contombor			
	Engineering mathematics a	nu statistics	Mandator	-	September September	Sept 2023		
	Electrical Energy Systems		Mandator	<i>'</i>	·	То		
	Signals and Systems Semiconductor Electronics		Mandator Mandator	•	September September	Dec 2023		
	semiconductor electronics		ı ıvıdıldat0l	v 15	i september			

January Semester – 3 Mandatory Courses								
B39MA	Electromagnetism	Mandatory	3	January	Jan 2024			
B39SB	Time Frequency and Signal Analysis	Mandatory	3	January	То			
B39VS	System Project	Mandatory	3	January	Apr 2024			
	Year 4							
September Semester- 1 Mandatory and 3 Optional Course(s)								
B30UB	4th Year Project 1	Mandatory	4	September	Comt 2022			
B30EI	Advanced Analogue Electronics	Optional	4	September	Sept 2023 To			
B30EJ	Linear Control	Optional	4	September	Dec 2023			
B31SC	Digital Signal Processing	Optional	4	September	Dec 2023			
	January Semester- 1 Mandatory and 2	2 Optional Cou	ırse(s)					
B30UC	4th Year Project II	Mandatory	4	January	Jan 2024			
B30EK	Sustainable Energy and Power Systems	Optional	4	January	То			
B30ES	Industrial Power Systems	Optional	4	January	Apr 2024			

<u>Note:</u> Optional courses are offered based on most students' choices. Further details will be provided at the during Week 0 and Week 1

BEng Robotics, Autonomous & Interactive Systems

blig it	botics, Autoriorious	& Interactive Syster					
Programn		: BEng Robotics, Autonom	ous & Intera	active Sy	/stem	S	
Programn	ne Code	: B344-RAI					
Mode of S	Study	: Full Time					
		Key Contacts					
	Designation	Name				Contact Emai	l
Programm	ne Director	Dr Senthil Muthukumarasw	amy	m.sent	thilar	umugam@hw	.ac.uk
Year 1 Coo	ordinator	Dr Rula Sharqi		r.shard	qi@hv	w.ac.uk	
Year 2 Coo	ordinator	Mr Mounif Abdallah		m.abd	allah(<u>@hw.ac.uk</u>	
Year 3 Coo	ordinator	Dr Prashanth K Soori		p.k.soc	ori@h	nw.ac.uk	
Year 4 Coo	ordinator	Dr Senthil Muthukumarasw	amy	m.sent	thilar	umugam@hw	.ac.uk
Course Code	Cours	se Title	Mandato Option	_	ear	Semester	Semester Dates
		New Students					
		Year 1					
	Se	ptember Semester– 4 Mand	atory Cours	ses			
B37EE	Introduction to Electrical ar	nd Electronic Engineering	Mandato	ry 1		September	Cant 2022
B37VA	Praxis Electronic Design		Mandato	ry 1		September	Sept 2023 To Dec 2023
F27SA	Software Development 1		Mandato	ry 1		September	
F17XA	Maths Engineers Scientists		Mandato			September	DCC 2023
		anuary Semester– 4 Mandat			I		
F17XB	Maths Engineers Scientists	2	Mandato			January	Jan 2024
B37VB	Praxis Programming		Mandato	•		January	То
B37VR	Robotics Group Project		Mandato	•		January	Apr 2024
F27SB	Software Development 2		Mandato			January	
		Direct Entry & Continuing	g Students				
		Year 2					
D20DD		otember Semester – 4 Mand			1	6	
B38DB	Digital Design and Program	ming	Mandato			September	Sept 2023
B38EB	Circuits and Analysis	0.41	Mandato	·		September	To
F28SG	Introduction to Data Struct		Mandato	-		September	Dec 2023
F18XC	Maths Engineers Scientists	3 anuary Semester– 4 Manda	Mandato	,		September	
B38DF	Computer Architecture and		Mandato		I	January	
B38RO	Introduction to Robotics	Linbeaded Systems	Mandato	-		January	Jan 2024
F28DA	Data Structures and Algorit	hms	Mandato			January	То
F18XD	Maths Engineers Scientists		Mandato			January	Apr 2024
. 20/12	The trial and	Year 3		, _	l	y arrain,	
		ptember Semester- 4 Mand	atory Cours				
B39AX	Engineering mathematics a		Mandato			September	
B49CJ	Sustainable Development a	and engineering	Mandato	ry 3		September	Sept 2023
	management						То
B39SA	Signals and Systems		Mandato	-		September	Dec 2023
F29AI	Artificial Intelligence and In	itelligent Agents	Mandato	ry 3		September	

	January Semester- 3 Mandatory Courses							
B38EI	Electrical Power and Machines	Mandatory	3	January	Jan 2024			
B39SB	Time Frequency and Signal Analysis	Mandatory	3	January	То			
B39VS	System Project	Mandatory	3	January	Apr 2024			
	Year 4							
	September Semester- 1 Mandatory and	3 Optional Co	urse(s)					
B30UB	4th Year Project 1	Mandatory	4	September				
B30EJ	Linear Control	Optional	4	September				
B31DD	Embedded Systems	Optional	4	September	Cont 2022			
B31YS	Robotics Systems Science	Optional	4	September	Sept 2023			
B50EO	Dynamics 1	Optional	4	September	To Dec 2023			
F20RO	Intelligent Robotics	Optional	4	September	Dec 2023			
F20BC	Biologically Inspired Comp	Optional	4	September				
F20DL	Data Mining & Machine Learning	Optional	4	September				
	January Semester- 1 Mandatory and 2	2 Optional Cou	ırse(s)					
B30UC	4th Year Project II	Mandatory	4	January	lon 2024			
B50RO	Robotic Mechanical Systems	Optional	4	January	Jan 2024			
B31SE	Image Processing	Optional	4	January	To Apr 2024			
F20AD	Advancved Human-Computer Interaction	Optional	4	January	Apr 2024			

BEng Mechanical Engineering

BENG IVI	echanical Engineerin	18							
Programm		:	BEng Mechanical Enginee	ering					
Programm	ne Code	:	B511-MEG						
Mode of S	tudy	:	Full Time						
			Key Contacts						
Designation Name Contact Email							il		
Programm	e Director	Dr	Rehan Ahmed		<u>R.</u>	Ahmed@	hw.ac.uk		
Year 1 Coo	ordinator	М	ohamed Al-Musleh		M	.Al-Musle	eh@hw.ac.uk		
Year 2 Coo	ordinator	OI	ga Potapova-Crighton		0.	Potapova	a-Crighton@hv	v.ac.uk	
Year 3 Coo	ordinator	OI	ga Potapova-Crighton		<u>O</u> .	Potapova	a-Crighton@hv	v.ac.uk	
Year 4 Coo	ordinator	Dr	Sibi Chacko		<u>C.</u> :	Sibi@hw.	.ac.uk		
Course Code	Cours	se T	- Title	Mandato Option		Year	Semester	Semester Dates	
			New Students	·					
			Year 1						
			mber Semester– 4 Mand	1		T	I		
B37EE	Introduction to Electrical ar		lectronic Engineering	Mandato		1	September	Sept 2023	
B27MW	Mechanics, Fields and Force			Mandato	<u> </u>	1	September	To	
B57AS	Mechanical Engineering in		text 1	Mandato		1	September	Dec 2023	
F17XA	Maths Engineers Scientists		am. Camaatan 4 Mandat	Mandato		1	September		
F17XB	Maths Engineers Scientists		ary Semester– 4 Mandat	Mandato		1	January		
B57AT	Mechanical Engineering in		 text 2	Mandato		1	January	Jan 2024	
B57AU	Introduction to Mechanical			Mandato		1	January	То	
B27FF	Waves and Matter		56	Mandato		1	January	Apr 2024	
		Dir	ect Entry & Continuing				,		
		יווט	·	Student	,				
	Sai	nton	Year 2 nber Semester – 4 Mand	otomi Cour	2000				
B58DB	Design and Manufacture 2		ilber Semester – 4 Manu	Mandato		2	September		
B58FB	Fluid Mechanics A			Mandato		2	September	Sept 2023	
B58SB	Strength of Materials A			Mandato		2	September	То	
F18XC	Maths Engineers Scientists	3		Mandato		2	September	Dec 2023	
	·		ary Semester – 4 Manda			_			
B58MB	Dynamics A		•	Mandato	ry	2	January	Jan. 2024	
B38EI	Electrical Power and Machi	ines		Mandato	ry	2	January	Jan 2024 To	
B58TB	Thermodynamics A			Mandato	ry	2	January	Apr 2024	
F18XD	Maths Engineers Scientists	4		Mandato	ry	2	January	Αρι 2024	
	Co.	nton	Year 3	otom, Cour					
B49CJ	Sustainable Development a		nber Semester – 4 Mand	Mandato		3	September		
D43C3	Management	uriu l	LIIBIIICCIIIIB	ivialiuatu	·y		September	Sept 2023	
B59DE	Design and manufacture 3			Mandato	rv	3	September	To	
B59FC	Fluid Mechanics B			Mandato		3	September	Dec 2023	
B59SC	Mechanics of Materials B			Mandato		3	September	200 2020	
20300	conames of Waterials B				• 1		Jepteribei		

	January Semester – 3 Mandatory & 1 Optional Course(s)							
B59MC	Vibration Analysis & Control Engineering	Mandatory	3	January				
B59TC	Thermodynamics B	Mandatory	3	January	Jan 2024			
B59DF	Design and Manufacture 4	Mandatory	3	January	То			
B59AC	Automotive Technologies 1	Optional	3	January	Apr 2024			
B59ES	Energy Studies	Optional	3	January				
	Year 4							
	September Semester – 2 Mandatory an	d 2 Optional C	ourses					
B50PA	Project 1	Mandatory	4	September				
B50DG	Engineering Design	Mandatory	4	September	Cont 2022			
B50EO	Dynamics 1	Optional	4	September	Sept 2023 To			
B50EM	Advanced Mechanics of Materials 1	Optional	4	September	Dec 2023			
B50EK	Fluids 1	Optional	4	September	DEC 2023			
B50TE	Heat Exchangers and HT	Optional	4	September				
	January Semester – 2 Mandatory and	2 Optional Co	urses					
B50DH	Engineering Manufacture	Mandatory	4	January				
B50PB	Project 2	Mandatory	4	January	lan 2024			
B50EL	Fluids 2	Optional	4	January	Jan 2024 To			
B50EN	Advan Mechs Materials 2	Optional	4	January	. •			
B50EP	Dynamics 2	Optional	4	January	Apr 2024			
B50TF	Adv Thermodynamic Applications	Optional	4	January				

BEng Mechanical Engineering & Energy Engineering

DELIB IVI	echanical Engineerii	ig & chergy chighheer				
Programm	ne Name	: BEng Mechanical Engine	ering& Energy	Engineerii	ng	
Programm	ne Code	: B542-MEE				
Mode of S	tudy	: Full Time				
		Key Contacts				
	Designation	Name			Contact Emai	il
Programm	e Director	Dr Rehan Ahmed		R.Ahmed@	hw.ac.uk	
Year 1 Coo	ordinator	Mohamed Al-Musleh		M.Al-Musle	eh@hw.ac.uk	
Year 2 Coo	ordinator	Olga Potapova-Crighton		O.Potapova	a-Crighton@hv	v.ac.uk
Year 3 Coo	ordinator	Olga Potapova-Crighton		O.Potapova	a-Crighton@hv	v.ac.uk
Year 4 Coo	ordinator	Dr Sibi Chacko		C.Sibi@hw	.ac.uk	
Course Code	Cour	se Title	Mandator Optiona	-	Semester	Semester Dates
Oode		New Students				
		Year 1				
	Se	ptember Semester – 4 Mand	latory Cours	es		
B37EE	Introduction to Electrical a	nd Electronic Engineering	Mandatory	/ 1	September	Cont 2022
B27MW	Mechanics, Fields and Force	es	Mandatory	/ 1	September	Sept 2023 To
B57AS	Mechanical Engineering in	Context 1	Mandatory	/ 1	September	Dec 2023
F17XA	Maths Engineers Scientists	Mandatory		September	DCC 2023	
		anuary Semester – 4 Manda			1	
F17XB	Maths Engineers Scientists 2		Mandatory		January	Jan 2024
B57AT	Mechanical Engineering in		Mandatory		January	To
B57AU	Introduction to Mechanica	I Engineering	Mandatory		January	Apr 2024
B27FF	Waves and Matter		Mandatory	/ 1	January	•
		Direct Entry & Continuing	g Students			
	0-	Year 2	lataria Carria			
B58DB	Design and Manufacture 2	ptember Semester – 4 Mand	Mandatory		Santambar	
B58FB	Fluid Mechanics A		Mandatory		September September	Sept 2023
B58SB	Strength of Materials A				· ·	То
F18XC	Maths Engineers Scientists	2	Mandatory Mandatory		September September	Dec 2023
TIOAC	_	anuary Semester – 4 Manda			September	
B58MB	Dynamics A	andary Comocion 4 manda	Mandatory		January	
B38EI	Electrical Power and Mach	ines	Mandatory		January	Jan 2024 –
B58TB	Thermodynamics A		Mandatory		January	To
F18XD	Maths Engineers Scientists	4	Mandatory		January	Apr 2024
		Year 3				
		ptember Semester – 4 Mand			1 -	
B49CJ	Sustainable Development a	and Engineering	Mandatory	/ 3	September	
DECTE	Management					Sept 2023
B59DE	Design and manufacture 3		Mandatory		September	То
B59FC	Fluid Mechanics B		Mandatory		September	Dec 2023
B59SC	Mechanics of Materials B		Mandatory	/ 3	September	

	January Semester – 4 Mandatory Courses								
B59MC	Vib Analysis & Control Eng	Mandatory	3	January	lan 2024				
B59TC	Thermodynamics B	Mandatory	3	January	Jan 2024				
B59DF	Design and Manufacture 4	Mandatory	3	January	To				
B59ES	Energy Studies	Mandatory	3	January	Apr 2024				
	Year 4								
	September Semester – 4 Manda	tory Courses							
B50PA	Project 1	Mandatory	4	September	Com+ 2022				
B50DG	Engineering Design	Mandatory	4	September	Sept 2023 To				
B50TE	Heat Exchangers and HT	Mandatory	4	September	Dec 2023				
G10UG	Introduction to Petroleum Engineering	Mandatory	4	September	Dec 2023				
	January Semester – 3 Mandatory and	1 Optional Cou	ırse(s)						
B50DH	Engineering Manufacture	Mandatory	4	January					
B50PB	Project 2	Mandatory	4	January	Jan 2024				
B50TF	Adv Thermodynamic Applications	Mandatory	4	January	То				
B50EL	Fluids 2	Optional	4	January	Apr 2024				
B50EP	Dynamics 2	Optional	4	January					

BEng Automotive Engineering

DLIIG AC	itomotive Engineerir	ıg					
Programn		: BEng Automotive Enginee	ering				
Programn	ne Code	: B564-AUE					
Mode of S	Study	: Full Time					
		Key Contacts					
	Designation			Contact Emai	1		
Programm	ne Director	Dr Rehan Ahmed		R.Ah	med@	hw.ac.uk	
Year 1 Cod	ordinator	Mohamed Al-Musleh		M.A	l-Musle	eh@hw.ac.uk	
Year 2 Cod	ordinator	Olga Potapova-Crighton		O.Pc	tapova	a-Crighton@hv	v.ac.uk
Year 3 Coo	ordinator	Olga Potapova-Crighton		O.Pc	tapova	a-Crighton@hv	v.ac.uk
Year 4 Coo	ordinator	Dr Sibi Chacko		C.Sib	oi@hw.	.ac.uk	
Course Code	Cour	se Title	Mandato Optiona		Year	Semester	Semester Dates
		New Students					
		Year 1					
	Se	ptember Semester – 4 Mand	atory Cour	ses			
B37EE	Introduction to Electrical a	nd Electronic Engineering	Mandato	ry	1	September	Sont 2022
B27MW	Mechanics, Fields and Forc	es	Mandato	ry	1	September	Sept 2023 To
B57AS	Mechanical Engineering in	Context 1	Mandato	ry	1	September	Dec 2023
F17XA	Maths Engineers Scientists		Mandato	_	1	September	Dec 2023
		anuary Semester – 4 Manda				ı .	
F17XB	Maths Engineers Scientists		Mandato		1	January	Jan 2024
B57AT	Mechanical Engineering in		Mandato		1	January	То
B57AU	Introduction to Mechanica	Engineering	Mandato		1	January	Apr 2024
B27FF	Waves and Matter	-	Mandato		1	January	
		Direct Entry & Continuing	g Students	5			
		Year 2					
		ptember Semester – 4 Mand				T	
B58DB	Design and Manufacture 2		Mandato	-	2	September	Sept 2023
B58FB	Fluid Mechanics A		Mandato	,	2	September	То
B58SB	Strength of Materials A		Mandato		2	September	Dec 2023
F18XC	Maths Engineers Scientists		Mandato		2	September	
DEONAD		anuary Semester – 4 Manda	T -		2	lanuani	
B58MB B38EI	Dynamics A Electrical Power and Machi	nos	Mandato Mandato		2	January	Jan 2024
B58TB	Thermodynamics A	nes	Mandato		2	January	То
F18XD	Maths Engineers Scientists	Λ	Mandato		2	January	Apr 2024
LIOVD	Matris Engineers Scientists	Year 3	ivialiuato	ıy		January	
	Se	ptember Semester – 4 Mand	atory Cour	ses			
B49CJ	Sustainable Development a	and Engineering	Mandato	ry	3	September	
	Management						Sept 2023
B59DE	Design and manufacture 3		Mandato	ry	3	September	То
B59FC	Fluid Mechanics B		Mandato	ry	3	September	Dec 2023
B59SC	Mechanics of Materials B		Mandato	ry	3	September	

January Semester – 4 Mandatory Courses					
B59MC	Vib Analysis & Control Eng	Mandatory	3	January	Jan 2024 To Apr 2024
B59TC	Thermodynamics B	Mandatory	3	January	
B59DF	Design and Manufacture 4	Mandatory	3	January	
B59AC	Automotive Technologies 1	Mandatory	3	January	
Year 4					
September Semester – 3 Mandatory and 1 Optional Course(s)					
B50PA	Project 1	Mandatory	4	September	Sept 2023 To Dec 2023
B50DG	Engineering Design	Mandatory	4	September	
B50EO	Dynamics 1	Mandatory	4	September	
B50EM	Advanced Mechanics of Materials 1	Optional	4	September	
B50EK	Fluids 1	Optional	4	September	
B50TE	Heat Exchangers and HT	Optional	4	September	
January Semester – 4 Mandatory Courses					
B50AD	Automotive Technologies 2	Mandatory	4	January	- Jan 2024 - To - Apr 2024
B50DH	Engineering Manufacture	Mandatory	4	January	
B50PB	Project 2	Mandatory	4	January	
B50EP	Dynamics 2	Mandatory	4	January	