

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

#### **Academic Year 202425**

**Academic Year Calendar for 202425** 

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

# Programme List

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#### BEng Chemical Engineering

	emical Engineering		1				
Programm	e Name	:	Beng Chemical Engineeri	ng			
Programm	e Code	:	B411-CEN				
Mode of S	tudy	:	Full Time				
			Key Contacts				
	Designation		Name		Con	tact Email	
Programm	e Director	Dr	Nasir Al Lagtah	n.al_lagtah@	hw.ac.u	<u>k</u>	
Year 1 & 2	Coordinator	Dr	Manjula Nair	manjula.nair	@hw.ac.	<u>uk</u>	
Year 3 & 4	Coordinator	Dr	Nasir Al Lagtah	n.al_lagtah@	hw.ac.u	<u>k</u>	
Course Code	Cou	irse	Title	Mandatory/ Optional	Year	Semester	Semester Dates
			New Students				
			Year 1				
	Se	pte	mber Semester – 4 Manda	atory Courses			
B17CA	Principles of Chemistry			Mandatory	1	September	
B47AE	Engineering Professionalism Communication	m a	nd Technical	Mandatory	1	September	Sept 2024 To
F17XA	Mathematics for Engineers	an	d Scientists 1	Mandatory	1	September	Dec 2024
B47AF	Introduction to Process En	ering*	Mandatory	1	Sept & Jan		
* <u>Note</u> : B4	7AF is a two-semester cours	e th	nat requires registration in	the September	Semeste	r.	
	J	anı	ıary Semester – 3 Mandat	ory Courses			
B17CB	Chemical Reactivity			Mandatory	1	January	Jan 2025
B57AU	Introduction to Mechanica	l En	gineering	Mandatory	1	January	То
F17XB	Mathematics for Engineers	an	d Scientists 2	Mandatory	1	January	Apr 2025
		Di	rect Entry & Continuing	Students			
			Year 2				
	Se	pte	mber Semester – 4 Manda	atory Courses			
B18AP	Chemical Thermodynamics		•	Mandatory	2	September	
	Kinetics for Chemical Engir		S				Sept 2024
B48BF	Industrial Chemical Process	ses		Mandatory	2	September	То
B48BB	Fluid Mechanics		16: 2	Mandatory	2	September	Dec 2024
F18XC	Mathematics for Engineers		d Scientists 3 Jary Semester– 4 Mandat	Mandatory	2	September	
		alil	iai y Seillestei – 4 Mandat				
B48BC	Thermodynamics			Mandatory	2	January	lan 2025
B48BD	Heat Transfer			Mandatory	2	January	Jan 2025 To
B48BE	Process Design A			Mandatory	2	January	Apr 2025
B48BG	Mathematical Modelling for	or C	nemical Engineers	Mandatory	2	January	1

	Year 3										
	September Semester – 4 Mandatory Courses										
В49СН	Process Control	Mandatory	3	September							
B49CA	Separation Processes A	Mandatory	3	September	Sept 2024						
B49CJ	Sustainable Development and Engineering Management	Mandatory	3	September	To Dec 2024						
B49CC	Chemical Reaction Engineering	Mandatory	3	September	DCC 2024						
	January Semester – 4 Mandato	ory Courses									
B49CD	Separation Processes B	Mandatory	3	January							
B49CE	Multiphase Thermodynamics	Mandatory	3	January	Jan 2025						
В99ВР	Bioprocessing	Mandatory	3	January	To Apr 2025						
B49CI	Process Health & Safety	Mandatory	3	January	71pi 2025						
	Year 4										
	September Semester – 4 Manda	tory Courses									
B40DI	Separation Processes C	Mandatory	4	September	6 . 2024						
B40DJ	Sustainability Management and Process Economics	Mandatory	4	September	Sept 2024 To						
B40DK	Process Integration, Optimisation and Analysis	Mandatory	4	September	Dec 2024						
B40HE	Process Engineering Design Project *	Mandatory	4	September	DCC 2021						
* <u>Note</u> : B4	OHE is a two-semester course that requires registration in t	he September	Semeste	r.							
	January Semester – 3 Mandato	ory Courses									
B40DD	Reaction Engineering	Mandatory	4	January	Jan 2025						
B40DL	Particle Technology	Mandatory	4	January	То						
B40DM	Applied Transport Phenomena	Mandatory	4	January	Apr 2025						

## BEng Electrical & Electronic Engineering

DLIIG LIC	ectrical & Electronic E	ngmeering				
Programm	ne Name :	BEng Electrical & Electron	ic Engineeri	ng		
Programm	ne Code :	B311-EEE				
Mode of St	tudy :	: Full Time				
		Key Contacts				
	Designation	Name			Contact Emai	il
Programm		Dr Senthil A Muthukumarasw	amy	m.senthila	rumugam@hw	ı.ac.uk
Year 1 Coo	<u> </u>	Dr Rula Sharqi		r.sharqi@h	ıw.ac.uk	
Year 2 Coo	ordinator [	Mr Mounif Abdallah		m.abdallah	ı@hw.ac.uk	
Year 3 Coo	ordinator [	Dr Ahmad Yasser AFAGHANI		A.AFAGHA	NI@hw.ac.uk	
Year 4 Coo	ordinator	Dr Senthil A Muthukumarasw	amy	m.senthila	rumugam@hw	ı.ac.uk
Course Code	Course			y/ Year	Semester	Semester Dates
		New Students				
		Year 1				
	Sent	ember Semester – 4 Manda	tory Course	es		
B37EE	Introduction to Electrical and		Mandator		September	_
B27MW	Mechanics, Fields and Forces		Mandator		September	Sept 2024
B37VA	Praxis Electronic Design		Mandator	y 1	September	To
F17XA	Mathematics for Engineers ar	nd Scientists 1	Mandator	y 1	September	Dec 2024
		nuary Semester – 4 Mandato	ry Courses		-	
F17XB	Mathematics for Engineers ar	nd Scientists 2	Mandator	y 1	January	Jan 2025
B37VB	Praxis Programming		Mandator	•	January	To
B57AU	Introduction to Mechanical E	ngineering	Mandator	-	January	Apr 2025
B27FF	Waves and Matter		Mandator	y 1	January	
	D	rirect Entry & Continuing	Students			
	Cont	Year 2	OWY COLUMN			
B38DB	Digital Design and Programm	tember Semester– 4 Mandat	Mandator		September	
B38EB	Circuits and Analysis	····6	Mandator	•	September	Sept 2024
B49CJ	Sustainable Development and	d engineering management	Mandator	•	September	То
F18XC	Mathematics for Engineers ar		Mandator	<i>'</i>	September	Dec 2024
1 10/10		nuary Semester– 4 Mandato		,	Зертентиет	
B38DF	Computer Architecture and E	-	Mandator		January	. 2025
B38EI	Electrical Power and Machine	es	Mandator	y 2	January	Jan 2025
B38EM	Intro Electricity & Magnetism	1	Mandator	y 2	January	To
F18XD	Mathematics for Engineers ar	nd Scientists 4	Mandator	y 2	January	Apr 2025
		Year 3				
	Sept	tember Semester– 4 Mandat	ory Course	S		
B39AX	Engineering Mathematics and	d Statistics	Mandator	у 3	September	6 202.
B39ES	Electrical Energy Systems		Mandator	у 3	September	Sept 2024
	Signals and Systems		Mandator	у 3	September	То
B39SA	Signais and Systems		ivianidator	<u>y</u>	<u> </u>	Dec 2024

	January Semester – 3 Mandatory Courses									
В39МА	Electromagnetism	Mandatory	3	January	Jan 2025					
B39SB	Time and Frequency Signal Analysis	Mandatory	3	January	То					
B39VS	System Project	Mandatory	3	January	Apr 2025					
	Year 4									
	September Semester- 1 Mandatory and	3 Optional Co	urse(s)							
B30UB	4th Year Project 1	Mandatory	4	September	6 . 2024					
B30EI	Advanced Analogue Electronics	Optional	4	September	Sept 2024					
B30EJ	Linear Control	Optional	4	September	To					
B31SC	Digital Signal Processing	Optional	4	September	Dec 2024					
	January Semester- 1 Mandatory and 2	Optional Cou	rse(s)							
B30UC	4th Year Project II	Mandatory	4	January	Jan 2025					
B30EK	Sustainable Energy and Power Systems	Optional	4	January	То					
B30ES Industrial Power Systems Optional 4 January Apr 20										
Note: Op	tional courses are offered based on most students' choices.	Further details	will be p	provided at the	e during					
Week 0 ar	nd Wook 1									

Week 0 and Week 1

#### BEng Robotics, Autonomous & Interactive Systems

	Key Contacts  Name Or Senthil A Muthukumarasw Or Rula Sharqi Mr Mounif Abdallah Or Ahmad Yasser AFAGHANI Or Senthil A Muthukumarasw  Title	amy	m.senthilal r.sharqi@h m.abdallah A.AFAGHAl m.senthilal	Contact Emai	ı.ac.uk
eation  or  C  N  C	Full Time  Key Contacts  Name  Or Senthil A Muthukumarasw  Or Rula Sharqi  Mr Mounif Abdallah  Or Ahmad Yasser AFAGHANI  Or Senthil A Muthukumarasw  Title	amy Mandator	r.sharqi@h m.abdallah A.AFAGHAl m.senthila	rumugam@hw w.ac.uk @hw.ac.uk NI@hw.ac.uk rumugam@hw	ı.ac.uk
pation  Or  C  N  C  C	Key Contacts Name Or Senthil A Muthukumarasw Or Rula Sharqi Mr Mounif Abdallah Or Ahmad Yasser AFAGHANI Or Senthil A Muthukumarasw e Title	amy Mandator	r.sharqi@h m.abdallah A.AFAGHAl m.senthila	rumugam@hw w.ac.uk @hw.ac.uk NI@hw.ac.uk rumugam@hw	ı.ac.uk
or C	Name Or Senthil A Muthukumarasw Or Rula Sharqi Mr Mounif Abdallah Or Ahmad Yasser AFAGHANI Or Senthil A Muthukumarasw e Title	amy Mandator	r.sharqi@h m.abdallah A.AFAGHAl m.senthila	rumugam@hw w.ac.uk @hw.ac.uk NI@hw.ac.uk rumugam@hw	ı.ac.uk
or C	Or Senthil A Muthukumarasw Or Rula Sharqi Mr Mounif Abdallah Or Ahmad Yasser AFAGHANI Or Senthil A Muthukumarasw e Title	amy Mandator	r.sharqi@h m.abdallah A.AFAGHAl m.senthila	rumugam@hw w.ac.uk @hw.ac.uk NI@hw.ac.uk rumugam@hw	ı.ac.uk
C C	Or Rula Sharqi Mr Mounif Abdallah Or Ahmad Yasser AFAGHANI Or Senthil A Muthukumarasw Paritle	amy Mandator	r.sharqi@h m.abdallah A.AFAGHAl m.senthila	w.ac.uk @hw.ac.uk NI@hw.ac.uk rumugam@hw	
N C	Mr Mounif Abdallah Or Ahmad Yasser AFAGHANI Or Senthil A Muthukumarasw e Title	amy Mandator	m.abdallah A.AFAGHAl m.senthilai	@hw.ac.uk NI@hw.ac.uk rumugam@hw	
	Or Ahmad Yasser AFAGHANI Or Senthil A Muthukumarasw e Title	amy Mandator	m.abdallah A.AFAGHAl m.senthilai	@hw.ac.uk NI@hw.ac.uk rumugam@hw	
С	Or Senthil A Muthukumarasw e Title	Mandator	m.senthila	rumugam@hw	
	e Title	Mandator	m.senthila	rumugam@hw	
	e Title	Mandator			ı.ac.uk
			í	Ocinicate	Semester Dates
	New Students	Ориона			
	Year 1				
Sept	ember Semester- 4 Mandat	ory Course	:S		
ction to Electrical and	Electronic Engineering	Mandator	y 1	September	Cont 2024
lectronic Design		Mandator	y 1	September	Sept 2024 To
e Development 1		Mandator	y 1	September	Dec 2024
			,	September	DCC 202+
				ı	
	nd Scientists 2		<i>'</i>	•	Jan 2025
				•	To
· · · · · · · · · · · · · · · · · · ·			•	-	Apr 2025
re Development 2		Mandator	y   1	January	
Di	irect Entry & Continuing	Students			
Conto	Year 2	amy Carres			
				Sentember	
	1116		•		Sept 2024
· · · · · · · · · · · · · · · · · · ·	es & Algorithms		·		То
			•		Dec 2024
			,	September	
				January	
ction to Robotics	•		•	January	Jan 2025
	ns		•	January	To
natics for Engineers ar	nd Scientists 4	Mandator	y 2	January	Apr 2025
	Year 3				
Septe	ember Semester– 4 Mandat	ory Course	S		
ering Mathematics and	Statistics	Mandator	у 3	September	6
			•	September	Sept 2024
and Systems	-	Mandator	y 3	September	To
·	lligent Agents		•	September	Dec 2024
	ction to Electrical and lectronic Design re Development 1 matics for Engineers ar Jan matics for Engineers ar rogramming s Group Project re Development 2  Septe Design and Programming and Analysis ction to Data Structure matics for Engineers ar Jan ter Architecture and Ection to Robotics ructures and Algorithm matics for Engineers ar Septe ering Mathematics and able Development and and Systems	ction to Electrical and Electronic Engineering lectronic Design The Development 1 Inatics for Engineers and Scientists 1  January Semester— 4 Mandato Inatics for Engineers and Scientists 2 Trogramming Is Group Project The Development 2  Direct Entry & Continuing September Semester— 4 Mandato Inatics for Engineers and Scientists 3  September Semester— 4 Mandato It is a series of Engineers and Scientists 3  January Semester— 4 Mandato It is a series of Engineers and Embedded Systems It is a series of Engineers and Scientists 4  Year 3  September Semester— 4 Mandato It is a series of Engineers and Scientists 4  Year 3  September Semester— 4 Mandato It is a series of Engineers and Scientists 4  Year 3  September Semester— 4 Mandato It is a series of Engineers and Statistics It is a series of Engineering Mandato  September Semester— 4 Mandato  Septemb	ction to Electrical and Electronic Engineering lectronic Design Mandator Per Development 1 Mandator Ma	ction to Electrical and Electronic Engineering Mandatory 1 lectronic Design Mandatory 1 lectronic Engineers and Scientists 1 Mandatory 1 lectrogramming Mandatory 2 lectrogramming Mandatory 3 lectrogramming Mandatory 1 lectrog	ction to Electrical and Electronic Engineering Mandatory 1 September electronic Design Mandatory 1 September enatics for Engineers and Scientists 1 Mandatory 1 September Danuary Semester—4 Mandatory Courses enatics for Engineers and Scientists 2 Mandatory 1 January engramming Mandatory 1 January engramming Mandatory 1 January engree Development 2 Mandatory 1 January engree Development 2 Mandatory 1 January engree Design and Programming Mandatory 2 September enatics for Engineers and Scientists 3 Mandatory 2 September enatics for Engineers and Scientists 3 Mandatory 2 September enatics for Engineers and Embedded Systems Mandatory 2 January enatics for Engineers and Scientists 4 Mandatory 2 January enatics for Engineers and Scientists 4 Mandatory 2 January enatics for Engineers and Scientists 4 Mandatory 2 January enatics for Engineers and Scientists 4 Mandatory 2 January enatics for Engineers and Scientists 4 Mandatory 2 January enatics for Engineers and Scientists 4 Mandatory 2 January enatics for Engineers and Scientists 4 Mandatory 2 January enatics for Engineers and Scientists 4 Mandatory 3 September enable Development and engineering management Mandatory 3 September enable Development enable Develop

	January Semester- 3 Mandatory Courses								
B38EI	Electrical Power and Machines	Mandatory	3	January	Jan 2025				
B39SB	Time and Frequency Signal Analysis	Mandatory	3	January	То				
B39VS	System Project	Mandatory	3	January	Apr 2025				
	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	Comt 2024				
B31YS	Robotics Systems Science	Optional	4	September	Sept 2024				
B50EO	Dynamics 1	Optional	4	September	To Dec 2024				
F20RO	Intelligent Robotics	Optional	4	September	DEC 2024				
F20BC	Biologically Inspired Computing	Optional	4	September					
F20DL	Data Mining & Machine Learning	Optional	4	September					
	January Semester- 1 Mandatory and 2	<b>Optional Cou</b>	rse(s)						
B30UC	4th Year Project II	Mandatory	4	January	lon 2025				
B50RO	Robotic Mechanical Systems Optio		4	January	Jan 2025				
B31SE	Image Processing	Optional	4	January	To Apr 2025				
F20AD	Advanced Human-Computer Interaction	Optional	4	January	Api 2023				

# BEng Mechanical Engineering

Programn	ne Name	:	BEng Mechanical Engir	neering					
Programn		:	B511-MEG						
Mode of S	Study	:	Full Time						
			Key Contacts						
	Designation		Name			Contact Ema	il		
Programme Director Dr Rehan Ahmed R.Ahmed@hw.ac.uk									
Year 1 Coo	ordinator	Olg	ga Potapova-Crighton;		O.Potapov	a-Crighton@h	w.ac.uk ;		
Al-Musleh, Mohamed M.Al-Musleh@hw.ac.uk									
Year 2 Coo	ordinator	Dr	Ahmed Oumer		A.OUMER	<u>@hw.ac.uk</u>			
Year 3 Coo	ordinator	Dr	Fadi Albadour		F.Al-Badou	ur@hw.ac.uk			
Year 4 Coo	ordinator	Dr	Omar Sharaf		O.Sharaf@	hw.ac.uk			
Course Code		Course	Title	Mandator Optiona	~	Semester	Semester Dates		
0000			New Studen	•					
			Year 1						
		Septe	mber Semester- 4 Mar	ndatory Course	es				
B37EE	Introduction to El	ectrical and E	lectronic Engineering	Mandator	/ 1	September	Sont 2024		
B27MW	Mechanics, Fields	and Forces		Mandator	/ 1	September	Sept 2024 To		
B57AS	Engineering in Co		Mandator	/ 1	September	Dec 2024			
F17XA	Mathematics for I	_		Mandator	<u> </u>	September	DCC 2024		
	T		ary Semester- 4 Mand			T .			
F17XB	Mathematics for E	_	l Scientists 2	Mandator		January	Jan 2025		
B57AT	Engineering in Con			Mandator		January	То		
B57AU B27FF	Introduction to M Waves and Matte		gineering	Mandator Mandator		January	Apr 2025		
DZ/FF			t F - t 0		)   <u>T</u>	January			
		Dir	ect Entry & Continui	ng Students					
		Conto	Year 2	lt					
B58DB	Design and Manu		mber Semester – 4 Mai	Mandatory Course		September			
B58FB	Fluid Mechanics A			Mandator		September	Sept 2024		
B58SB	Strength of Mater			Mandator		September	То		
F18XC	Mathematics for B		l Scientists 3	Mandator	·	September	Dec 2024		
110/10	TVICETICATION I		ary Semester – 4 Mand			September			
B58MB	Dynamics		•	Mandator		January	. 2025		
B38EI	Electrical Power a	nd Machines		Mandator		January	Jan 2025		
B58TB	Thermodynamics	Α		Mandator	y 2	January	To Apr 2025		
F18XD	Mathematics for E	ngineers and		Mandator	y 2	January	Αρι 2023		
			Year 3						
R/OCI	Sustainable David		mber Semester – 4 Mai			Santambar			
B49CJ B59DE	Design and manuf		Engineering Manageme		· -	September	Sept 2024		
B59FC	Fluid Mechanics B			Mandator Mandator	·	September September	То		
B59FC B59SC	Mechanics of Mat			Mandator	<b>'</b>	September	Dec 2024		
שטיינים	I WIECHAINCS OF WIAL	Cilais D		ivialidatol	y   J	September			

	January Semester – 3 Mandatory & 1 Optional Course(s)									
B59MC	Vibration Analysis & Control Engineering	Mandatory	3	January						
B59TC	Thermodynamics B	Mandatory	3	January	Jan 2025					
B59DF	Design and Manufacture 4	Mandatory	3	January	То					
B59AC	Automotive Technologies 1	Optional	3	January	Apr 2025					
B59ES	Energy Studies	Optional	3	January						
	Year 4									
	September Semester – 2 Mandato	ry and 2 Optional C	ourses	-						
B50DG	Engineering Design	Mandatory	4	September						
B50PR	Mechanical Engineering Individual Project *	Mandatory	4	September	Comt 2024					
B50EO	Dynamics 1	Optional	4	September	Sept 2024					
B50EM	Advanced Mechanics of Materials 1	Optional	4	September	To Dec 2024					
B50EK	Incompressible Fluid Dynamics	Optional	4	September	Dec 2024					
B50TE	Heat Exchangers and HT	Optional	4	September						
* <b>Note</b> : B	50PR is a two-semester course that requires registration	on in the September	Semeste	er.						
	January Semester – 1 Mandatory	y and 2 Optional Co	urses							
B50DH	Engineering Manufacture	Mandatory	4	January						
B50EL	Compressible Fluid Dynamics	Optional	4	January	lan 2025					
B50EN	Advanced Mechanics of Materials 2	Optional	4	January	Jan 2025 To					
B50EP	Dynamics 2	Optional	4	January						
B50TF	Adv Thermodynamic Applications	Optional	4	January	Apr 2025					
B50RO	Robotic Mechanical Systems	Optional	4	January						

#### BEng Mechanical Engineering & Energy Engineering

Programm		BEng Mechanical Engineer		v Engineeri	ng	
Programm		: B542-MEE	THIS CHOIS	y Engineerii	לי'	
Mode of S		: Full Time				
Wiede or s	au ay	Key Contacts				
	Designation	Name			Contact Ema	il
Programm	ne Director	Dr Rehan Ahmed		R.Ahmed@		
Year 1 Coo		Olga Potapova-Crighton;			a-Crighton@h\	w.ac.uk :
		Al-Musleh, Mohamed			eh@hw.ac.uk	<u></u>
Year 2 Coo	ordinator	Dr Ahmed Oumer		A.OUMER@		
Year 3 Coo	ordinator	Dr Fadi Albadour		F.Al-Badou	r@hw.ac.uk	
Year 4 Coo	ordinator	Dr Omar Sharaf		O.Sharaf@	hw.ac.uk	
Course	Cours	se Title	Mandato	ry/ Year	Semester	Semester
Code			Optiona	•		Dates
		New Students				
		Year 1				
	Sei	otember Semester – 4 Mand	atory Cours	ses		
B37EE	Introduction to Electrical ar		Mandator		September	
B27MW	Mechanics, Fields and Force		Mandator	y 1	September	Sept 2024
B57AS	Engineering in Context 1		Mandator	y 1	September	To
F17XA	Mathematics for Engineers	and Scientists 1	Mandator	y 1	September	Dec 2024
		anuary Semester – 4 Manda	tory Course	s	-	
F17XB	Mathematics for Engineers	and Scientists 2	Mandator	y 1	January	Jan 2025
B57AT	Engineering in Context 2		Mandator	•	January	To
B57AU	Introduction to Mechanical	Engineering	Mandator	·	January	Apr 2025
B27FF	Waves and Matter		Mandator	y   1	January	. 40. =0=0
		Direct Entry & Continuing	Students			
		Year 2				
		otember Semester – 4 Mand	_		1	
B58DB	Design and Manufacture 2		Mandator	•	September	Sept 2024
B58FB	Fluid Mechanics A		Mandator	<u> </u>	September	To
B58SB	Strength of Materials A		Mandator	•	September	Dec 2024
F18XC	Mathematics for Engineers		Mandator	,	September	
B58MB	Dynamics	anuary Semester – 4 Manda	Mandator		lanuary	
B38EI	Electrical Power and Machi	nes	Mandator	<i>'</i>	January January	Jan 2025
B58TB	Thermodynamics A	iics	Mandator	<i>'</i>	January	То
F18XD	Mathematics for Engineers	and Scientists 4	Mandator	<i>'</i>	January	Apr 2025
. 10/10	acricinaties for Engineers	Year 3	I IVIAIIAALOI	1   -	January	
	Sej	otember Semester – 4 Mand	atory Cours	ses		
B49CJ	Sustainable Development a	ind Engineering	Mandator	у 3	September	
	Management					Sept 2024
B59DE	Design and manufacture 3		Mandator		September	То
B59FC	Fluid Mechanics B		Mandator	·	September	Dec 2024
B59SC	Mechanics of Materials B		Mandator	у 3	September	

	January Semester – 4 Mandatory Courses									
B59MC	Vib Analysis & Control Eng	Mandatory	3	January	Jan 2025					
B59TC	Thermodynamics B	Mandatory	3	January	_					
B59DF	Design and Manufacture 4	Mandatory	3	January	To Apr 2025					
B59ES	Energy Studies	Mandatory	3	January	Api 2023					
	Year 4									
	September Semester – 4 Manda	atory Courses								
B50DG	Engineering Design	Mandatory	4	September	Cont 2024					
B50TE	Heat Exchangers and HT	Mandatory	4	September	Sept 2024 To					
G10UG	Introduction to Petroleum Engineering	Mandatory	4	September	Dec 2024					
B50PR	Mechanical Engineering Individual Project *	Mandatory	4	September	DCC 2024					
* <u>Note</u> : B5	OPR is a two-semester course that requires registration in	the September	Semeste	er.						
	January Semester – 2 Mandatory and	1 Optional Cou	ırse(s)							
B50DH	Engineering Manufacture	Mandatory	4	January	1 2025					
B50TF	Adv Thermodynamic Applications	Mandatory	4	January	Jan 2025					
B50EL	Compressible Fluid Dynamics	Optional	4	January	To Apr 2025					
B50EP	Dynamics 2	Optional	4	January	Api 2023					

## BEng Automotive Engineering

	Itomotive Engineerii	9						
Programn		:	BEng Automotive Engine	ering				
Programn		:	B564-AUE					
Mode of S	itudy	:	Full Time					
			Key Contacts					
	Designation		Name				Contact Emai	il
Programme Director Dr Rehan Ahmed R.Ahmed@hw.ac.uk								
Year 1 Coo	ordinator	Ν	1r Mohamed Al-Musleh		M.	.Al-Musle	eh@hw.ac.uk	
Year 2 Coo	ordinator	D	r Ahmed Oumer		Α.0	OUMER@	hw.ac.uk	
Year 3 Coo	ordinator	D	r Fadi Albadour		F./	Al-Badou	r@hw.ac.uk	
Year 4 Coo	ordinator	D	r Omar Sharaf		0.	Sharaf@	hw.ac.uk	
Course Code	Cour	se	Title	Mandato Option		Year	Semester	Semester Dates
Oodc			New Students	Ориоп	aı			
	<u> </u>	nto	Year 1 mber Semester – 4 Mand	atory Cour				
B37EE	Introduction to Electrical a			Mandato		1	September	
B27MW	Mechanics, Fields and Force		Licetionic Engineering	Mandato		1	September	Sept 2024
B57AS	Engineering in Context 1			Mandato		1	September	То
F17XA	Mathematics for Engineers	d Scientists 1	Mandato		1	September	Dec 2024	
			uary Semester – 4 Manda				Гобрания	
F17XB		Mathematics for Engineers and Scientists 2					January	Jan 2025
B57AT	Engineering in Context 2			Mandato	ry	1	January	Jan 2025 To
B57AU	Introduction to Mechanica	l En	gineering	Mandato	ry	1	January	Apr 2025
B27FF	Waves and Matter			Mandato	ry	1	January	Apr 2023
		Di	rect Entry & Continuing	g Student:	S			
			Year 2					
	Se	pte	mber Semester – 4 Mand	atory Cour	ses			
B58DB	Design and Manufacture 2			Mandato	ry	2	September	Cont 2024
B58FB	Fluid Mechanics A			Mandato	ry	2	September	Sept 2024 To
B58SB	Strength of Materials A			Mandato	ry	2	September	Dec 2024
F18XC	Mathematics for Engineers			Mandato		2	September	DCC 2024
		anı	ıary Semester – 4 Manda				T	
B58MB	Dynamics			Mandato		2	January	Jan 2025
B38EI	Electrical Power and Mach	ines	5	Mandato		2	January	То
B58TB	Thermodynamics A		d Caianatiata A	Mandato		2	January	Apr 2025
F18XD	Mathematics for Engineers	an	d Scientists 4 Year 3	Mandato	ry	2	January	
	Se	pte	mber Semester – 4 Mand	atory Cour	ses			
B49CJ	Sustainable Development a	_		Mandato		3	September	
	Management		-					Sept 2024
B59DE	Design and manufacture 3			Mandato	ry	3	September	То
B59FC	Fluid Mechanics B			Mandato	ry	3	September	Dec 2024
B59SC	Mechanics of Materials B			Mandato	ry	3	September	

January Semester – 4 Mandatory Courses					
B59MC	Vib Analysis & Control Eng	Mandatory	3	January	lan 2025
B59TC	Thermodynamics B	Mandatory	3	January	Jan 2025
B59DF	Design and Manufacture 4	Mandatory	3	January	To Apr 2025
B59AC	Automotive Technologies 1	Mandatory	3	January	Apr 2025
Year 4					
September Semester – 3 Mandatory and 1 Optional Course(s)					
B50DG	Engineering Design	Mandatory	4	September	
B50EO	Dynamics 1	Mandatory	4	September	6 . 2024
B50PR	Mechanical Engineering Individual Project *	Mandatory	4	September	Sept 2024
B50EM	Advanced Mechanics of Materials 1	Optional	4	September	To Dec 2024
B50EK	Incompressible Fluid Dynamics	Optional	4	September	DCC 2024
B50TE	Heat Exchangers and HT	Optional	4	September	
* <u>Note</u> : B50PR is a two-semester course that requires registration in the September Semester.					
January Semester – 3 Mandatory Courses					
B50AD	Automotive Technologies 2	Mandatory	4	January	Jan 2025
B50DH	Engineering Manufacture	Mandatory	4	January	То
B50EP	Dynamics 2	Mandatory	4	January	Apr 2025