

**MSc subjects offered by the Department of Electrical and Electronic Engineering**

MSc Award				2022/23		2023/24		2024/25		
in Electrical Engineering		Specialism options			Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
		Electrical Power Systems	Electric Vehicles and Power Electronics	Railway Systems						
EE502	Modern Protection Methods	EE502				√		√		√
EE505	Power System Control and Operation	EE505					√			
EE509	High Voltage Engineering	EE509		EE509	√		√		√	
EE512	Electric Vehicles		EE512		√		√		√	
EE514	Real Time Computing				√				√	
EE520	Intelligent Motion Systems		EE520			√		√		√
EE521	Industrial Power Electronics		EE521			√		√		√
EE522	Optical Fibre Systems					√		√		√
EE524	Open Electricity Market Operation	EE524				√		√		√
EE526	Power System Analysis and Dynamics	EE526			√				√	
EE528	System Modelling and Optimal Control		EE528		√		√		√	
EE530	Electrical Energy Saving Systems		EE530		√		√		√	
EE533	Railway Power Supply Systems			EE533	√		√		√	
EE535	Maintenance and Reliability Engineering			EE535			√		√	
EE536	Signalling and Train Control Systems			EE536		√		√		√
EE537	Railway Vehicles			EE537		√		√		√
EE539	Aerospace Power Electronics and Actuation Systems		EE539				√		√	
EE545	Modern Generation and Grid Integration Technologies	EE545	EE545		√		√		√	
EE546	Electric Energy Storage and New Energy Sources for Electric Vehicles		EE546							
EE547	Electric Vehicle Charging Systems		EE547				√			√
EE548	Advanced Electric Vehicle Technology		EE548			√			√	
EE549	Modern Sensor Technologies						√		√	
EE552	High Speed Rail			EE552			√		√	
EE560	Metros in Hong Kong and China			EE560			√			√
EE570	Design and Analysis of Smart Grids	EE570					√			√

\*The Department reserves the right of NOT offering any one of the above subjects. The offer of subjects is subject to review and changes if deemed appropriate by the Department.

√ Evening Class

(last updated in Jul 2023)