

## *Courses with Prerequisites 2006*

<i>Sub</i>	<i>Code</i>	<i>Course Title</i>	<i>UOC</i>	<i>HPW</i>	<i>Session</i>	<i>PreRequisite</i>	<i>CoReq</i>	<i>Excluded</i>
ELEC	806	Industrial Electrical Design	UOC6	HPW3	S2			
ELEC	807	Electrical Engineering 1E	UOC6	HPW4	S2	PHYS1169 or PHYS1002 or PHYS1918.		
ELEC	809	Electrical Engineering 1C	UOC3	HPW3	S1	PHYS1169 or PHYS1002 or PHYS1918.		
ELEC	1010	Introduction to Electrical Engineering	UOC3	HPW3	S1			
ELEC	1011	Electrical Engineering 1	UOC6	HPW6	S1&S2			
ELEC	1041	Digital Circuits	UOC6	HPW4	S2	ELEC1011		
ELEC	2015	Electromagnetic Applications	UOC3	HPW3	S2	PHYS2939 or PHYS2949.		
ELEC	2031	Circuits and Systems	UOC3	HPW3	S1&S2	ELEC1011		
ELEC	2032	Electronics and Systems	UOC3	HPW3	S1&S2&X1	ELEC2031		
ELEC	2041	Microprocessors and Interfacing	UOC6	HPW4	S1	(COMP1011and ELEC1041) or (COMP1011 and COMP2021)		
ELEC	2042	Real Time Instrumentation	UOC3	HPW3	S1&S2	(ELEC1041 and COMP1021) or (SOLA1051 and ELEC1041)		
ELEC	3004	Signal Processing and Transform Methods	UOC6	HPW5	S1&S2	ELEC2032.		
ELEC	3005	Electric Energy 1	UOC6	HPW5	S1	ELEC2015		
ELEC	3006	Electronics A	UOC6	HPW5	S1	ELEC2032.		
ELEC	3014	Systems and Control 1	UOC6	HPW5	S2	ELEC2032.		
ELEC	3015	Electric Energy 2	UOC6	HPW4	S2	ELEC3005		
ELEC	3016	Electronics B	UOC6	HPW4	S2	ELEC3006		
ELEC	3017	Electrical Engineering Design	UOC6	HPW5	S2	ELEC2032 and ELEC2041		
ELEC	3041	Real Time Engineering	UOC6	HPW4	S2	ELEC2042		
ELEC	3402	Introductory Physiology for Engineers	UOC6	HPW4	S2	ELEC2032.		
ELEC	4010	Project Management for Professional Services	UOC3	HPW4	S1	96 units of credit		
ELEC	4011	Ethics and Electrical Engineering Practice	UOC3	HPW2	S2	120 units of credit.		
ELEC	4042	Signal Processing 2	UOC6	HPW4	S1	ELEC3004		ELEC9342
ELEC	4205	Electrical Energy Systems	UOC6	HPW4	S1	ELEC3005		ELEC9213

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ELEC	4216	Electrical Drive Systems	UOC6	HPW4	S2	ELEC3005		ELEC9231
ELEC	4240	Power Electronics	UOC6	HPW4	S1	ELEC3006		ELEC9240
ELEC	4412	Control of Continuous-time Systems	UOC6	HPW4	S1	ELEC3014		
ELEC	4413	Control of Discrete-time Systems	UOC6	HPW4	S2	ELEC3014		
ELEC	4444	New Business Creation	UOC6	HPW4	S2	138 units of credit.		
ELEC	4483	"Biomedical Instrumentation, Measurement and Design"	UOC6	HPW4	S2	ELEC3004		
ELEC	4503	Electronics C	UOC6	HPW4	S1	ELEC3006		
ELEC	4522	Microelectronics Design and Technology	UOC6	HPW4	S1	ELEC3006		
ELEC	4532	Integrated Digital Systems	UOC6	HPW4	S2	ELEC1041 or COMP2021		
ELEC	4910	Thesis Part A	UOC3	HPW4	S1&S2	"132 units of credit and weighted average mark of 65, and ELE		
ELEC	4911	Thesis Part B	UOC9	HPW10	S1&S2	ELEC4910.		
ELEC	4914	Group Thesis Part A	UOC3	HPW4	S1&S2	ELEC3017 and 132 units of credit.		
ELEC	4915	Group Thesis Part B	UOC9	HPW10	S1&S2	ELEC4914		
ELEC	8350	Optical Fibres (Distance Learning)	UOC6		S2			TELE4313 AND ELEC9350
ELEC	8355	Optical Communication Systems	UOC6		S1			ELEC9355 and TELE4314
ELEC	8505	Microsystems Technology	UOC6		TBA			ELEC9505
ELEC	9201	Electricity Industry Planning and Economics	UOC6	HPW3	S1			
ELEC	9202	Power System Operation and Control	UOC6	HPW3	S2			
ELEC	9213	Electrical Energy Systems	UOC6	HPW3	S2			ELEC4205
ELEC	9214	Power Systems Equipment	UOC6	HPW3	S1&S2			
ELEC	9225	Special Topic in Power	UOC6	HPW3				
ELEC	9226	Electrical Services in Building	UOC6	HPW3	S2			
ELEC	9231	Electrical Drive Systems	UOC6	HPW3	S2			ELEC4216
ELEC	9232	Motion Control Systems	UOC6	HPW3	S1			
ELEC	9233	Electrical Safety	UOC6	HPW3	S1			
ELEC	9240	Power Electronics	UOC6	HPW3	S1			ELEC4240.

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ELEC	9340	Electronic Communication Systems	UOC6	HPW3	S2			
ELEC	9342	Digital Signal Processing and Applications	UOC6	HPW3	S2			ELEC4042
ELEC	9344	Speech and Audio Processing	UOC6	HPW3	S1			
ELEC	9350	Optical Fibres	UOC6	HPW3	S1			TELE4313 N ELEC8350
ELEC	9353	Microwave Circuits: Theory & Techniques	UOC6	HPW3	S1			
ELEC	9355	Optical Communications Systems	UOC6	HPW3	S2			ELEC8355 and TELE4314
ELEC	9370	Digital Image Processing Systems	UOC6	HPW3	S1			
ELEC	9403	Real Time Computing and Control	UOC6	HPW3	S1			
ELEC	9405	Human Movement Control Topics	UOC6	HPW3	S2			
ELEC	9411	Introductory Physiology for Engineers	UOC6	HPW3	S2			ELEC3402
ELEC	9412	Biomedical Instrumentation and Informatics	UOC6	HPW3	S2			ELEC4483.
ELEC	9421	Robust and Linear Control Systems	UOC6	HPW3	S1			
ELEC	9422	Analysis and Design of Nonlinear Controls	UOC6	HPW3	S2			
ELEC	9450	Engineering Finance: From Random Processes to Deriv	UOC6	HPW3	S2			
ELEC	9501	Advanced Semiconductor Devices	UOC6	HPW3	S2			
ELEC	9502	VLSI Technology	UOC6	HPW3	S1			
ELEC	9503	Microelectronics Design	UOC6	HPW3	S1			
ELEC	9505	Microsystems Technology: Design and Microfabrication	UOC6	HPW3	S2			ELEC8505
ELEC	9912	Project Report	UOC6	HPW6	S1&S2			
ELEC	9913	Project Report	UOC6	HPW6	S1&S2			
ELEC	9930	Project Report (12 UOC)	UOC12		S1&S2			
PHTN	1010	Introduction to Photonics	UOC3	HPW3	S1			
PHTN	4310	Optical Signal Processing	UOC6	HPW4	S2	TELE4313 and ELEC3004		
TELE	1010	Introduction to Telecommunications	UOC3	HPW3	S1			
TELE	3013	Telecommunication Systems 1	UOC6	HPW4	S1&S2	ELEC2032.		
TELE	3015	High Frequency Electromagnetics	UOC3	HPW3	S2	PHYS2939 or PHYS2949.		

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TELE	3018	Data Networks 1	UOC6	HPW4	S1&S2	COMP1021and ELEC1041.		
TELE	4313	Optical Communications	UOC6	HPW4	S1	TELE3013;		ELEC9350and ELEC8350
TELE	4314	Optical Communication Systems	UOC6	HPW4	S2	TELE4313		ELEC9355 and ELEC8355
TELE	4323	Digital Modulation and Coding	UOC6	HPW4	S1	TELE3013		
TELE	4333	Wireless Data Communication Systems	UOC6	HPW4	S2	TELE3013;		TELE9343
TELE	4343	Source Coding and Compression	UOC6	HPW4	S2	"TELE3013 and ELEC3004"		
TELE	4352	Data Networks 2	UOC6	HPW4	S1	TELE3018;		TELE9302
TELE	4353	Mobile and Satellite Communication Systems	UOC6	HPW4	S2	TELE3013;		TELE9344.
TELE	4354	Network Management	UOC6	HPW4	S1	TELE3018;		TELE9303
TELE	4363	Telecommunications Systems 2	UOC6	HPW4	S1	TELE3013;		TELE9301
TELE	4910	Thesis Part A	UOC3	HPW4	S1&S2	"132 units of credit and weighted average mark of 65 and ELEC		
TELE	4911	Thesis Part B	UOC9	HPW10	S1&S2	TELE4910.		
TELE	4914	Group Thesis Part A	UOC3	HPW4	S1&S2	ELEC3017 and 132 units of credit.		
TELE	4915	Group Thesis Part B	UOC9	HPW10	S1&S2	TELE4914		
TELE	9301	Switching System Design	UOC6	HPW3	S1			TELE4363
TELE	9302	Computer Networks	UOC6	HPW3	S1			TELE4352
TELE	9303	Network Management	UOC6	HPW3	S2			TELE4354
TELE	9337	Advanced Networking	UOC6	HPW3	S2			
TELE	9343	Principles of Digital Communication	UOC6	HPW3	S1			TELE4333
TELE	9344	Cellular Mobile Communications	UOC6	HPW3	S1			TELE4353.
TELE	9345	Adaptive Signal Processing in Telecommunications	UOC6	HPW3	S2			
TELE	9912	Project Report	UOC6	HPW6	S1&S2			
TELE	9913	Project Report	UOC6	HPW6	S1&S2			