

TECHNICAL ELECTIVE PACKAGES T U Kr AKTS

ELECTRONICS (4 required + 3 technical electives)

EEE411	Digital Electronics	3	2	4	7
EEE412	Large Scale Integrated Circuit Design	3	0	3	6
EEE414	Optoelectronics	3	0	3	6
EEE419	Communication Electronics	3	0	3	6

CONTROL (4 required + 3 technical electives)

EEE421	Digital Signal Processing	3	0	3	6
EEE423	Industrial Control	3	0	3	6
EEE424	Discrete Time Control Systems	3	0	3	6
EEE426	Nonlinear Control Systems	3	0	3	6

POWER ELECTRONICS (4 required + 3 technical electives)

EEE423	Industrial Control	3	0	3	6
EEE431	Power Electronics I	3	0	3	6
EEE432	Power Electronics II	3	2	4	7
EEE434	Electrical Motors and Drives	3	2	4	7

COMMUNICATION (4 required + 3 technical electives)

EEE421	Digital Signal Processing	3	0	3	6
EEE441	Communication Systems I	3	2	4	7
EEE442	Communication Systems II	3	2	4	7
EEE444	Digital Communication	3	0	3	6

MICROWAVE AND ANTENNAS (4 required + 3 technical electives)

EEE441	Communication Systems I	3	2	4	7
EEE451	Microwave Techniques I	3	2	4	7
EEE454	Antennas	3	2	4	7
EEE456	Electromagnetic Modelling	3	0	3	6

BIOMEDICAL (3 required + 4 technical electives)

EEE421	Digital Signal Processing	3	0	3	6
EEE461	Intro. to Biomedical Engineering	3	2	4	7
EEE462	Medical Imaging Systems	3	0	3	6

POWER SYSTEMS AND HIGH VOLTAGE TECHNOLOGY (4 required + 3 technical electives)

EEE471	Power System Analysis I	3	0	3	6
EEE472	Power System Analysis II	3	0	3	6
EEE475	Energy Distribution I	3	0	3	6
EEE478	High Voltage Techniques	3	2	4	7

COMPUTERS (4 required + 3 technical electives)

EEE421	Digital Signal Processing	3	0	3	6
EEE481	Computer Architecture	3	0	3	6
EEE482	Data Structures	3	0	3	6
EEE484	Intro. To Computer Networks	3	2	4	7

TECHNICAL ELECTIVES

		T	U	Kr	AKTS
EEE401	Electronic Measurement and Instrumentation	3	0	3	6
EEE415	Avionics System Design	3	0	3	6
EEE413	Semiconductor Circuit Technology	3	0	3	6
EEE446	Introduction to Cryptography	3	0	3	6
EEE448	Random Processes	3	0	3	6
EEE452	Microwave Techniques II	3	0	3	6
EEE453	Radio Wave Propagation	3	0	3	6
EEE458	Radio Frequency Electronic Circuits	3	0	3	6
EEE463	Biological Signal Processing	3	0	3	6
EEE464	Biological Signals and Detection Methods	3	0	3	6
EEE473	Lighting Techniques	3	2	4	7
EEE476	Energy Distribution II	3	0	3	6
EEE485	Intro. to Artificial Intelligence	3	0	3	6
EEE474	Renewable En. Systems	3	0	3	6