

SARJANA KEJURUTERAAN ELEKTRIK

SEM 1	SEM 2	SEM 3	SEM 4	SEM 5	JUMLAH KREDIT
MKE 1003 : Advanced Engineering Mathematics (3 Kredit)	MKE 1903 : Advanced Digital Signal Processing (3 Kredit)	Elective (3 Kredit)	Elective (3 Kredit)	MKE 2012 : Master's Project II (12 Kredit)	
MKE 1023 : Programmable Electronics (3 Kredit)	MKE 1013 : Computational Intelligence (3 Kredit)	Elective (3 Kredit)	Elective (3 Kredit)		
Research Methodology (HW)	MKE 1021 : Master's Laboratory (1 Kredit)	MKE 1011 : Master Laboratory II (1 Kredit)	Master's Project I (2 Kredit)		
6 Kredit	7 Kredit	7 Kredit	8 Kredit	12 Kredit	40

COMMUNICATION

MKE 1033: *RF & Microwave Engineering*
MKE 1043: *Electromagnetic Compability*
MKE 1053: *Antenna & Propagation*
MKE 1063: *Broadband Networks*
MKE 1073: *Wireless & Mobile Communication*

ELECTRICAL POWER

MKE 1153: *Electric Drives and Applications*
MKE 1163: *Industrial Power System*
MKE 1173: *High Voltage Engineering*
MKE 1183: *Electrical Power Quality*
MKE 1193: *Advanced Power Electronics*

MICROELECTRONICS

MKE1293: *Semiconductor Devices & Materials*

MKE1223: *Modeling MEMS & CAD Design*

MKE1203: *Integrated Circuit Processing*

MKE1233: *Nanoelectronic Technology*

MKE1213: *VLSI System Design*

MMEDICAL **E**ELECTRONICS

MKE 1243: *Advanced Medical Imaging*

MKE 1253: *Bioinstrumentation*

MKE 1263: *Biomedical Materials*

MKE 1273: *Biosensor: Principle & Application*

MKE 1283: *Data Processing in Medicine*

MECHATRONICS

MKE 1093: *Mechatronic System*

MKE 1113: *Advanced Digital Control System*

MKE 1123: *Automation System*

MKE 1133: *Advanced Industrial Robotics*

MKE 1143: *Robot Vision System*