

MEEE Course Structure (Full Time)

SUBJECTS			T1	T2	T3
Core Subjects					
EEE7216 Engineering Optimization					4
EEE7226 Quality Systems and Management				4	
EEE7236 Power Electronics and Electrical Machines			4		
EEE7266 Independent Study					1
ERM7116 Research Methodology			3		
ETS7076 Project				5	5
Specialization (Choose One Track)					
Photonic Track ²	Microelectronics Track ²	Electric Energy Management Track ²			
EEE7366 Solid State Lighting Technology	Any 3 microelectronic subjects (4 credit hours each): EEN7086 Embedded IoT Systems EEN7046 VLSI Design EEN7156 Analog CMOS Integrated Circuits EEN7136 Digital System Engineering EEN7166 Digital Integrated Circuits EEN7056 Diagnostic Technology EEN7146 Advanced Microprocessor Technology EEN7136 Advanced Computer Architectures EEN7116 Electronics Packaging	EEE7296 Energy Monitoring and Auditing		3	
EEE7346 Photovoltaic Devices and Systems		EEE7286 Energy Management in Industry		3	
EEE7326 Optical Communication Systems		EEE7276 Design of ON and OFF Grid PV Systems	3		
Elective ¹		EEE7316 Energy Policy, Regulations and Standards	3		
Electives (Choose one subject each from A and B) ³					
A	EEN7036 Device Processing and Technology		4		
	EEE7318 Electromagnetic Field & Circuit Theory		4		
B	EEN7026 Semiconductor Physics and Materials			4	
	EEE7317 Power System and High Voltage Technology			4	
TOTAL (46 credit hours)			17	19	10

¹ Choose one subject from the other specialization tracks.

² Availability subject to change.

³ Availability subject to change.