MSc in Electrical and Computer Engineering			2022/2023		2023/2024		2024/2025	
Course Code	Course Title	Nature	1st Sem	2nd Sem	1st Sem	2nd Sem	1st Sem	2nd Sem
ECEN7002	Advanced Mathematics	Compulsory	✓		✓		✓	
ECEN7003	Microelectronic Circuit Design	Elective	✓		✓		✓	
ECEN7004	Digital Signal Processing	Elective	✓		✓		✓	
ECEN7005	Active Network Theory	Elective		✓		✓	✓	
ECEN7006	Advanced Topics in Control Systems	Elective				✓		
ECEN7007	Advanced Topics in Simulation	Elective						
ECEN7008	Expert Systems	Elective						
ECEN7009	Microelectronics for Telecommunication and Signal Processing	Elective		✓		✓		
ECEN7010	Laser and Semiconductor Physics	Elective						
ECEN7011	Advanced Topics in Telecommunications	Elective		✓		✓		
ECEN7018	Flexible Alternative Current Transmission System	Elective	✓		✓		✓	
ECEN7019	Embedded System	Elective	✓					
ECEN7020	Advanced Topics in Analog and Mixed-Signal Integrated Circuits	Elective	✓	✓	✓	✓	✓	
ECEN7021	Biomedical Transducers and Instruments	Elective				✓		
ECEN7022	Electrochemical Energy Conversion and Storage	Elective						
ECEN7023	Special Topics in Biomedical Engineering	Elective	✓		✓		✓	
ECEN7024	Medical Imaging Systems	Elective						
ECEN7025	Modeling and Theoretical Analysis for Communication Systems	Elective		✓	✓		✓	
CISC7102	Computer Networks and Internet	Elective		✓		✓		
CISC7002	Computer Communications and Networks	Elective		✓		✓		
CISC7109	Internet Security and Cryptography	Elective		✓		✓		
CISC7110	Electronic Payment Systems	Elective		✓		✓		
CISC7111	Smart Card Technology & Applications	Elective	✓		✓		✓	