

Subject	Credits
M.Sc. Communication Systems (Compensatory Courses)	
Digital Signal Processing	3
Digital Communications	3
M.Sc. Communication Systems (Major Courses)	
Stochastic Processes	3
Advanced Telecommunication Theory	3
M.Sc. Communication Systems (Specialized Courses)	
Advanced Digital Signal Processing	3
Telecommunication Networks	3
Wireless Telecommunication Systems	3
Channel Coding	3
M.Sc. Communication Systems (Elective Courses)	
Advanced Channel Coding	3
*Information Theory *	3
Advanced Information Theory	3
Speech Processing	3
Image Processing	3
Revelation Theory	3
Adaptive Filters	3
Spread Spectrum Communications	3
Estimation Theory	3
Artificial Neural Networks	3
Cellular Networks	3
Principles of Radar Systems	3
Satellite Communications	3
Specialized Topics (Resource Allocation in Telecommunication Networks)	3
Specialized Topics(Structure and Design of Next Generation Wireless Networks)	3
Specialized Topics(Deep Learning in Signal Processing)	3
Specialized Topics(Structure and Design of Next Generation Wireless Networks)	3
Specialized Topics(Statistical Pattern Recognition)	
Professional Laboratory	3
Seminar	2
Thesis	6

These courses are presented in this University

Subject	Credits
M.Sc. Electromagnetic fields and Waves(Compensatory Courses)	
Fields and Waves	3
Microwave and Antenna (Microwave I)	3
M.Sc. Electromagnetic fields and Waves (Major Courses)	
Advanced Electromagnetic	3
Advanced Engineering Mathematics	3
M.Sc. Communication Systems (Specialized Courses)	
Microwave II	3
Antenna II	3
Numerical Techniques in Electromagnetics	3
Active Circuits in Microwave	3
M.Sc. Electromagnetic fields and Waves (Elective Courses)	
Electromagnetic Compatibility	3
Scattering of Waves	3
Dyadic Green Function in Electromagnetic	3
Electromagnetic Warfare	3
Remote Sensing	3
Terahertz Technology	3
Microstrip Array Antenna	3
Asymptotic Methods in Electromagnetic	3
Meta-materials	3
Printed Circuits Antennas	3
Fiber Optics	3
Fourier Optics	3
Specialized Topics (Phases Array)	3
Specialized Topics	3
Professional Laboratory	3
Seminar	2
Thesis	6