

Study Plan of Telecommunications Engineering Program

2024-2025

Semester 1						
No.	Code	Course Title	Credits	Hours	Pre-req	Co-req
1	61150	English I	3	3	None	
2	61151	IT Foundations	3	3	None	
3	61152	Programming I	4	4	None	
4	61155	Mathematics I	3	3	None	
5	61157	Arabic	2	2	None	
Total			15	15		

Semester 2						
No.	Code	Course Title	Credits	Hours	Pre-req	Co-req
1	61250	English II	3	3	61150	
2	61252	Programing II	4	4	61152	
3	61255	Mathematics II	3	3	61155	
4	61156	Probability and Statistics	3	3	None	
5	61257	Introduction to Computer Networking	3	3	61151	
Total			16	16		

Semester 3						
No.	Code	Course Title	Credits	Hours	Pre-req	Co-req
1	62156	Communication Skills	2	2	None	
2	62110	Applied Differential Eq.	4	4	61255	
3	62252	General Physics	3	4	None	
4	62116	Introduction to Telecommunication Engineering	3	3	None	
5	62254	Digital Logic Design	3	3	None	
6	62204	Digital Logic Design Lab	2	2	None	62254
Total			17	18		

Semester 4						
No.	Code	Course Title	Credits	Hours	Pre-req	Co-req
1	62209	Linear Algebra	4	4	61255	
2	62210	Signals and Systems	3	3	62110	
3	63112	Gen Ed (Technical Writing)	2	3	None	
4	62211	Electric Circuit Theory	4	4	61255 62252	
5	62212	Electric Circuits Lab.	2	2	None	62201
6	62103	Electromagnetic Field and Waves	4	4	62252 61255	
Total			19	20		

Semester 5						
No.	Code	Course Title	Credits	Hours	Pre-req	Co-req
1	63150	Legal and Ethical Issues I	1	1	61151	
2	63131	Electronic Circuits	4	4	62201	
3	63132	Electronic Circuits Lab.	2	2	None	63131
4	63135	Control Systems	3	3	62210	
5	63148	Communications Systems	4	4	62210	
6	63149	Communications Systems Lab.	2	2	None	63144
Total			16	16		

Semester 6						
No.	Code	Course Title	Credits	Hours	Pre-req	Co-req
1	63151	Legal and Ethical Issues II	1	1	63150	
2	63244	Digital Communications	4	4	63144	
3	63245	Digital Communications Lab.	2	3	None	63244
4	63210	Digital Signal Processing	3	4	62210	
5	63253	Research Methodology	2	2	None	
6	63146	Antenna and Propagation	3	3	62103 63144	

Total	15	16		
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Semester 7						
<i>No.</i>	<i>Code</i>	<i>Course Title</i>	<i>Credits</i>	<i>Hours</i>	<i>Pre-req</i>	<i>Co-req</i>
1	64255	Data Communications & Networks	3	3	61257	
2	64256	Data Comm. & Network Lab	2	2		
3	64277	IT Project Management	3	3		
4	64257	Wireless Communications	4	4	63244	
5	TET XXX	Approved Technical Elective (I)	3	3		
6	64156	Legal and Ethical Issues III	1	1	63151	
7	64101	Final Project I	2	2		
Total			18	18		

Semester 8						
<i>No.</i>	<i>Code</i>	<i>Course Title</i>	<i>Credits</i>	<i>Hours</i>	<i>Pre-req</i>	<i>Co-req</i>
1	63146	Microwave Transmission Systems	3	3	62103 63144	
2	64220	Fiber-Optic Communications	4	4	63244	
3	XXX	Approved Technical Elective (II)	3	3		
4	63160	Critical Thinking	2	2	None	
5	64102	Final Project II	4	4	64101	
Total			16	16		

Approved Technical Elective	
	Digital Image Processing in Medicine
	Communication Network Security
	Satellite Communication
64118	Optical Network Components
64222	Biomedical Electronics and Instrumentation
	Internet of Things IOT
62170	Int. to Artificial Intelligence

Overall Number of	Semesters	Courses	Credits	Hours	Labs
	8	46	132	133	6

	Credits	Percentage
University Course Requirements (General Education)	15	11.36%
Faculty Course Requirements	51	38.64%
Department Course Requirements	66	50%
Overall	132	100%