

PROGRAM STUDI D-IV TEKNOLOGI REKAYASA JARINGAN TELEKOMUNIKASI
POLITEKNIK NEGERI MEDAN
TAHUN 2026

Semester 1

No	Kode MK	Mata Kuliah	SKS		Jam	
			Teori	Praktik	Teori	Praktik
1	JTMPK26101	Agama	2		100	
		<i>Religion</i>				
2	JTMPK26102	Bahasa Indonesia	2		100	
		<i>Indonesian Language</i>				
3	JTMKK26103	Matematika I	2		100	
		<i>Mathematics I</i>				
4	JTMKK26104	Rangkaian Listrik	2		100	
		<i>Electric Circuit</i>				
5	JTMPB26105	Keselamatan, Kesehatan Kerja dan Lingkungan	2		100	
		<i>Work Safety, Health, and Environment</i>				
6	JTMKK26106	Perangkat Telekomunikasi	2		100	
		<i>Telecommunication Devices</i>				
7	JTMKB26107	Alat Ukur dan Pengukuran	1	1	50	100
		<i>Instrumentation and Measurement Laboratory Practice</i>				
8	JTMKB26108	Dasar Teknologi Informasi		2		200
		<i>Fundamentals of Information Technology</i>				
9	JTMKB26109	Praktikum Rangkaian Listrik		2		200
		<i>Electrical Circuit Laboratory Practice</i>				
10	JTMKB26110	Praktikum Elektronika Mekanik		2		200
		<i>Mechanical Electronics Workshop Practice</i>				
			13	7	650	700
			20		1350	

Semester 2

No	Kode MK	Mata Kuliah	SKS		Jam	
			Teori	Praktik	Teori	Praktik
1	JTMPK26201	Pancasila	2		100	
		<i>Indonesian State Ideology</i>				
2	JTMKK26202	Matematika II	2		100	
		<i>Mathematics II</i>				
3	JTMKK26203	Medan Elektromagnetik	2		100	
		<i>Electromagnetic Field</i>				
4	JTMKK26204	Rangkaian Elektronika	2		100	
		<i>Electronic Circuit</i>				
5	JTMKK26205	Teknik Digital	2		100	
		<i>Digital Techniques</i>				
6	JTMKB26206	Sistem Telekomunikasi	2		100	
		<i>Telecommunication System</i>				
7	JTMKB26207	Pemrograman Komputer I	1	1		100
		<i>Computer Programming I</i>				
8	JTMKB26208	Praktikum Rangkaian Elektronika		2		200
		<i>Electronic Circuit Laboratory Practice</i>				
9	JTMKB26209	Praktikum Teknik Digital		2		200
		<i>Digital Engineering Laboratory Practice</i>				
10	JTMKB26210	Praktikum Sistem Telekomunikasi		2		200
		<i>Telecommunication System Laboratory Practice</i>				
			13	7	600	700
			20		1300	

Semester 3

No	Kode MK	Mata Kuliah	SKS		Jam	
			Teori	Praktik	Teori	Praktik
1	PNMMBB26001	Etika Budaya Sumatera Utara	2		100	
		<i>Ethics and North Sumatera Culture</i>				
2	JTMKK26302	Stokastik	2		100	
		<i>Stochastic</i>				
3	JTMKK26303	Sistem Tenaga Listrik	2		100	
		<i>Electric Power System</i>				
4	JTMKB26304	Komunikasi Data	2		100	
		<i>Data Communication</i>				
5	JTMKB26305	Saluran Transmisi	2		100	
		<i>Transmission Line</i>				
6	JTMKB26306	Jaringan Komputer	2		100	
		<i>Computer Network</i>				
7	JTMKB26307	Elektronika Telekomunikasi	2		100	
		<i>Telecommunication Electronic</i>				
8	JTMKB26308	Pengolahan Sinyal Digital	2	1	100	100
		<i>Digital Signal Processing</i>				
9	JTMKB26309	Pemrograman Komputer II	1	1		100
		<i>Computer Programming II</i>				
10	JTMPB26310	Praktikum Saluran Transmisi		2		200
		<i>Transmission Line Laboratory Practice</i>				
11	JTMPB26311	Praktikum Jaringan Komputer		2		200
		<i>Computer Network Laboratory Practice</i>				
			17	6	800	600
			23		1400	

Semester 4

No	Kode MK	Mata Kuliah	SKS		Jam	
			Teori	Praktik	Teori	Praktik
1	JTMKB26401	Sistem Komunikasi Digital	2		100	
		<i>Digital Communication System</i>				
2	JTMKB26402	Sistem Transmisi Radio	2		100	
		<i>Radio Transmission System</i>				
3	JTMKB26403	Mikrokontroler dan Antarmuka	2		100	
		<i>Microcontroller and Interfacing</i>				
4	JTMKB26404	Jaringan Telekomunikasi	2		100	
		<i>Telecommunication Network</i>				
5	JTMKB26405	Sistem Komunikasi Serat Optik	2		100	
		<i>Optical Fiber Communication System</i>				
6	JTMPB26406	Praktikum Sistem Komunikasi Digital		2		200
		<i>Digital Communication System Laboratory Practice</i>				
7	JTMPB26407	Praktikum Sistem Transmisi Radio		2		200
		<i>Radio Transmission System Laboratory Practice</i>				
8	JTMPB26408	Praktikum Jaringan Telekomunikasi		2		200
		<i>Telecommunication Network Laboratory Practice</i>				
9	JTMPB26409	Praktikum Sistem Komunikasi Serat Optik		2		200
		<i>Optical Fiber Communication System Laboratory Practice</i>				
10	JTMPB26410	Praktikum Pengawatan dan Teknologi PCB		2		200
		<i>Wiring and PCB Technology Laboratory Practice</i>				
			10	10	500	1000
			20		1500	

Semester 5

No	Kode MK	Mata Kuliah	SKS		Jam	
			Teori	Praktik	Teori	Praktik
1	JTMPK26501	Kewarganegaraan <i>Civils</i>	2		100	
2	JTMKB26502	Rekayasa Trafik <i>Traffic Engineering</i>	2		100	
3	JTMKB26503	Sistem Komunikasi Selular <i>Cellular Communication System</i>	2		100	
4	JTMKB26504	Antena dan Propagasi <i>Antenna and Propagation</i>	2		100	
5	JTMKB26505	Sistem Komunikasi Satelit <i>Satellite Communication System</i>	2		100	
6	JTMKB26506	Internet of Things (IoT) <i>Internet of Things (IoT)</i>	2		100	
7	JTMPB26507	Praktikum Sistem Komunikasi Selular <i>Cellular Communication System Laboratory Practice</i>		2		200
8	JTMPB26508	Praktikum Antena dan Propagasi <i>Antenna and Propagation Laboratory Practice</i>		2		200
9	JTMPB26509	Praktikum Internet of Things (IoT) <i>Internet of Things (IoT) Laboratory Practice</i>		2		200
10	JTMPB26510	Perawatan dan Perbaikan Perangkat Telekomunikasi <i>Telecommunication Device Maintenance and Repair Laboratory Practice</i>		2		200
			12	8	600	800
			20		1400	

Semester 7

No	Kode MK	Mata Kuliah	SKS		Jam	
			Teori	Praktik	Teori	Praktik
1	JTMPB26701	Etika Profesi <i>Professional Ethics</i>	2		100	
2	JTMKK26702	Penulisan Karya Ilmiah <i>Scientific Writing</i>	2		100	
3	JTMKB26703	Manajemen Proyek <i>Project Management</i>	2		100	
4	JTMBB26704	Magang <i>Internship</i>		6		1020
			6	6	300	1020
			12		1320	

Jumlah Mata Kuliah :	67	
Jumlah SKS Total :	144	
Jumlah SKS Teori :	84	58.3%
Jumlah SKS Praktik :	60	41.7%
Jumlah Menit Total :	10740	
Jumlah Menit Teori :	4200	39.1%
Jumlah Menit Praktik :	6840	63.7%

Semester 6

No	Kode MK	Mata Kuliah	SKS		Jam	
			Teori	Praktik	Teori	Praktik
1	JTMKB26601	Regulasi Telekomunikasi	2		100	
2	JTMKB26602	Telecommunication Regulation Keamanan Jaringan Network Security	2		100	
3	JTMKB26603	Machine Learning untuk Telekomunikasi Mechine Learning for Telecommunication	2		100	
4	JTMKB26604	Teknologi Nirkabel Pita Lebar Wireless Broadband Technologies	2		100	
5	JTMPB26605	Proyek Desain Rekayasa Telekomunikasi Capstone Design of Telecommunication	1	1	50	100
6	JTMPB26606	Cloud dan Virtualisasi Cloud and Virtualisation	1	2	50	100
7	JTMPB26607	Rekayasa Jaringan Selular Cellular Network Engineering		2		200
8	JTMPB26608	Rekayasa Jaringan Telekomunikasi Telecommunication Network		2		200
9	JTMPB26609	Praktikum Keamanan Jaringan Network Security Laboratory Practice		2		200
			10	9	500	800
			19		1300	

Semester 8

No	Kode MK	Mata Kuliah	SKS		Jam	
			Teori	Praktik	Teori	Praktik
1	JTMPK26801	Bahasa Inggris <i>English</i>	1	1	50	
2	JTMPB26802	Kewirausahaan Bidang Teknologi <i>Technopreneurship</i>	2		100	
3	JTMPB26803	Tugas Akhir <i>Final Project</i>		6		1020
			3	7	150	1020
			10		1170	

Keterangan Kode Mata Kuliah :

MPK = Mata Kuliah Pengembangan Kepribadian
MKK = Mata Kuliah Keilmuan Keterampilan
MKB = Mata Kuliah Keahlian Berkarya
MPB = Mata Kuliah Sikap dan Perilaku Berkarya
MBB = Mata Kuliah Berkehidupan Bermasyarakat