**Tabel-4 Matriks** Hubungan Matakuliah Bahan Kajian dan Pengelompokan berdasarkan KEPMEN 232/U/2000

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **KELOMPOK MATAKULIAH, KEPMEN. 232/U/2000** | **KODE** | **MPK** | **MKK** | **MKB** | **MPB** | **MBB** |
| **URAIAN** | Matakuliah Pengembangan Kepribadian | Matakuliah Keilmuan dan Keterampilan | Matakuliah Keahlian Berkarya | Matakuliah Perilaku Berkarya | Matakuliah Berkehidupan Bersama |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **KODE** | **NAMA MATA KULIAH** | **SKS** | **BAHAN KAJIAN** | | | | | | | | **KELOMPOK MATAKULIAH, KEPMEN. 232/U/2000** | | | | |
| **BK-1** | **BK-2** | **BK-3** | **BK-4** | **BK-5** | **BK-6** | **BK-7** | **BK-8** | 9.33  % | 37.33  % | 38.67  % | 10.67  % | 4  % |
| **14**  **Sks** | **56**  **Sks** | **58**  **Sks** | **16**  **Sks** | **6**  **Sks** |
| **MPK** | **MKK** | **MKB** | **MPB** | **MBB** |
| **SEMESTER I** | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 077U003 | Pendidikan Kewarganegaraan | 3 |  |  |  |  |  |  |  |  | √ |  |  |  |  |
| 2 | 079U002 | Wawasan IPTEKS | 2 |  |  |  |  |  |  |  |  | √ |  |  |  |  |
| 3 | 080U002 | Bahasa Indonesia | 2 |  |  |  |  |  |  |  |  | √ |  |  |  |  |
| 4 | 085U003 | Matematika Dasar I | 3 |  |  |  |  |  |  |  |  |  | √ |  |  |  |
| 5 | 086U003 | Fisika Dasar I | 3 |  |  |  |  |  |  |  |  |  | √ |  |  |  |
| 6 | 111D4102 | Dasar Tenaga Listrik | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 7 | 131D4102 | Dasar Komputer | 2 |  |  |  |  |  |  | √ |  |  | √ |  |  |  |
| 8 | 101D4102 | Menggambar Teknik | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 9 | 102D4102 | Kimia Teknik | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **SEMESTER II** | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 072U003 | Agama Islam | 2 |  |  |  |  |  |  |  |  | √ |  |  |  |  |
|  | 073U003 | Agama Katolik | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 074U003 | Agama Protestan | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 075U003 | Agama Hindu | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 076U003 | Agama Budha | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 078U002 | Wawasan Sosial Budaya Bahari | 2 |  |  |  |  |  |  |  |  | √ |  |  |  |  |
| 3 | 081U002 | Bahasa Inggris | 2 |  |  |  |  |  |  |  |  | √ |  |  |  |  |
| 4 | 089U003 | Fisika Dasar II | 2 |  |  |  |  |  |  |  |  |  | √ |  |  |  |
| 5 | 090U003 | Matematika Dasar II | 2 |  |  |  |  |  |  |  |  |  | √ |  |  |  |
| 6 | 141D4103 | Rangkaian Listrik I | 3 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 7 | 151D4101 | Prak. Dasar Tenaga Listrik | 1 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 8 | 161D4102 | Dasar Telekomunikasi | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 9 | 171D4102 | Rangkaian Logika | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **SEMESTER III** | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 201D4103 | Matematika Teknik I | 3 | √ |  |  |  |  |  | √ |  |  | √ |  |  |  |
| 2 | 202D4102 | Fisika Teknik | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 3 | 203D4103 | Rangkaian Listrik II | 3 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 4 | 204D4102 | Medan Elektromagnetik | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 5 | 205D4102 | Pengukuran Listrik | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 6 | 206D4102 | Probabilitas dan Statistik | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 7 | 207D4101 | Prakt. Rangk. Listrik & Rangk. Logika | 1 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 8 | 231D4102 | Dasar Elektronika | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 9 | 232D4102 | Dasar Sistem Kendali | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 10 | 261D4101 | Prak. Dasar Telekomunikasi | 1 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TEKNIK ENERGI LISTRIK (TEL) SEM IV** | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 241D4103 | Matematika Teknik II | 3 | √ |  |  |  |  |  | √ |  |  | √ |  |  |  |
| 2 | 242D4102 | Sistem Linier | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 3 | 243D4102 | Material Elektro Teknik | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 4 | 244D4101 | Prakt. Dasar Elka & Pengukuran | 1 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 5 | 251D4102 | Konversi Energi | 2 | √ |  |  |  |  |  |  |  |  |  | √ |  |  |
| 6 | 252D4102 | Transmisi Arus Bolak Balik | 2 |  |  |  |  |  |  | √ |  |  |  | √ |  |  |
| 7 | 253D4102 | Teknologi Transformer | 2 |  |  |  | √ |  |  |  |  |  |  | √ |  |  |
| 8 | 254D4102 | Instalasi Listrik | 2 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 9 | 255D4102 | Kompatibilitas Elektromagnetik | 2 |  |  |  | √ |  |  |  |  |  |  | √ |  |  |
| 10 | 256D4101 | Praktikum Instalasi Listrik | 1 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 11 | 271D4102 | Pemrograman Komputer | 1 |  |  |  |  |  |  | √ | √ |  |  | √ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TEKNIK TELEKOMUNIKASI & INFORMASI (TTI) SEM IV** | | | | | |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 241D4103 | Matematika Teknik II | 3 | √ |  |  |  |  |  | √ |  |  | √ |  |  |  |
| 2 | 242D4102 | Sistem Linier | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 3 | 243D4102 | Material Elektro Teknik | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 4 | 244D4101 | Prakt. Dasar Elka & Pengukuran | 1 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 5 | 261D4102 | Komunikasi Digital | 2 |  | √ |  |  |  |  |  |  |  |  | √ |  |  |
| 6 | 262D4102 | Jaringan Telekomunikasi Telpon | 2 |  | √ |  | √ |  |  |  |  |  |  | √ |  |  |
| 7 | 263D4102 | Antena dan Propagasi | 2 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 8 | 271D4102 | Pemrograman Komputer | 2 |  |  |  |  |  |  | √ | √ |  |  | √ |  |  |
| 9 | 272D4102 | Elektronika Analog | 2 | √ |  |  |  |  |  |  |  |  |  | √ |  |  |
| 10 | 273D4101 | Prakt. Elektronika Analog | 1 | √ |  |  |  |  |  |  |  |  |  | √ |  |  |
| 11 | 274D4102 | Teknik Digital | 2 | √ |  |  |  |  |  |  |  |  |  | √ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **T. KOMPUTER, KENDALI, & ELEKTRONIKA (TKKE) SEM IV** | | | | | |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 241D4103 | Matematika Teknik II | 3 | √ |  |  |  |  |  | √ |  |  | √ |  |  |  |
| 2 | 242D4102 | Sistem Linier | 2 | √ |  |  |  |  |  | √ |  |  | √ |  |  |  |
| 3 | 243D4102 | Material Elektro Teknik | 2 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 4 | 244D4101 | Prakt. Dasar Elka & Pengukuran | 1 | √ |  |  |  |  |  |  |  |  | √ |  |  |  |
| 5 | 251D4102 | Konversi Energi | 2 | √ |  |  |  |  |  |  |  |  |  | √ |  |  |
| 6 | 271D4102 | Pemrograman Komputer | 1 |  |  |  |  |  |  | √ | √ |  |  | √ |  |  |
| 7 | 272D4102 | Elektronika Analog | 2 | √ |  |  |  |  |  |  |  |  |  | √ |  |  |
| 8 | 273D4101 | Prakt. Elektronika Analog | 1 | √ |  |  |  |  |  |  |  |  |  | √ |  |  |
| 9 | 274D4102 | Teknik Digital | 2 | √ |  |  |  |  |  |  |  |  |  | √ |  |  |
| 10 | 275D4102 | Algoritma dan Struktur Data | 2 |  |  |  | √ |  |  |  |  |  |  | √ |  |  |
| 11 | 276D4102 | Arsitektur Komputer 1 | 2 |  |  |  |  |  |  | √ | √ |  |  | √ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TEKNIK ENERGI LISTRIK (TEL) SEM V** | | | | |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 331D4102 | Sistem Mikroprosesor & Antarmuka | 2 |  |  |  | √ |  |  |  |  |  |  | √ |  |  |
| 2 | 332D4101 | Praktikum Mikroprosesor & Antarmuka | 1 |  |  |  | √ |  |  |  |  |  |  | √ |  |  |
| 3 | 333D4102 | Elektronika Digital | 2 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 4 | 334D4101 | Praktikum Elektronika Digital | 1 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 5 | 311D4102 | Mesin Arus Bolak Balik | 2 |  | √ | √ | √ |  |  |  |  |  |  | √ |  |  |
| 6 | 312D4102 | Analisis Sistem Tenaga | 2 | √ | √ |  |  |  |  |  |  |  |  | √ |  |  |
| 7 | 313D4102 | Keandalan & Stabilitas Sistem Tenaga | 2 |  |  |  |  |  |  | √ |  |  |  | √ |  |  |
| 8 | 314D4102 | Teknologi Isolasi | 2 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 9 | 315D4102 | Mesin Arus Searah | 2 |  |  | √ |  |  |  |  |  |  |  | √ |  |  |
| 10 | 316D4102 | Pembangkit Tenaga Listrik | 2 | √ |  |  |  |  |  | √ |  |  |  | √ |  |  |
| 11 | 317D4101 | Prakt.Transformator+Mesin Arus Searah | 1 |  |  | √ | √ |  |  |  |  |  |  | √ |  |  |
| 12 | 318D4101 | Prakt. Teknologi Isolasi | 1 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TEKNIK TELEKOMUNIKASI & INFORMASI (TTI) SEM V** | | | | | |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 331D4102 | Sistem Mikroprosesor & Antarmuka | 2 |  |  |  | √ |  |  |  |  |  |  | √ |  |  |
| 2 | 332D4101 | Praktikum Mikroprosesor & Antarmuka | 1 |  |  |  | √ |  |  |  |  |  |  | √ |  |  |
| 3 | 335D4102 | Jaringan Komputer | 2 |  |  |  |  |  |  | √ | √ |  |  | √ |  |  |
| 4 | 321D4102 | Kinerja sistem komunikasi | 2 | √ |  | √ |  |  |  |  |  |  |  | √ |  |  |
| 5 | 322D4102 | Komunikasi Serat Optik | 2 |  | √ | √ | √ |  |  |  |  |  |  | √ |  |  |
| 6 | 323D4102 | Pengolahan Isyarat Digital | 2 |  |  |  |  |  | √ |  |  |  |  | √ |  |  |
| 7 | 324D4102 | Rekayasa Trafik | 2 |  |  | √ |  |  | √ |  |  |  |  | √ |  |  |
| 8 | 325D4102 | Elektronika Telekomunikasi | 2 |  |  |  | √ |  |  | √ |  |  |  | √ |  |  |
| 9 | 327D4102 | Tapis Analog Digital | 2 |  |  |  |  |  |  | √ |  |  |  | √ |  |  |
| 10 | 328D4101 | Prakt. Antena & Propagasi | 1 |  |  |  |  |  |  | √ |  |  |  | √ |  |  |
| 11 | 329D4101 | Praktikum Teknologi Switching | 1 |  |  |  |  |  |  | √ |  |  |  | √ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **T. KOMPUTER, KENDALI, & ELEKTRONIKA (TKKE) SEM V** | | | | | |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 331D4102 | Sistem Mikroprosesor & Antarmuka | 2 |  |  |  | √ |  |  |  |  |  |  | √ |  |  |
| 2 | 332D4101 | Praktikum Mikroprosesor & Antarmuka | 1 |  |  |  | √ |  |  |  |  |  |  | √ |  |  |
| 3 | 333D4102 | Elektronika Digital | 2 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 4 | 334D4101 | Praktikum Elektronika Digital | 1 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 5 | 335D4102 | Jaringan Komputer | 2 |  |  |  |  |  |  | √ | √ |  |  | √ |  |  |
| 6 | 336D4102 | Teknologi Kendali Proses | 2 |  |  |  |  |  |  | √ | √ |  |  | √ |  |  |
| 7 | 337D4102 | Sistem Kendali | 2 | √ | √ |  |  |  |  |  |  |  |  | √ |  |  |
| 8 | 338D4102 | Arsitektur Komputer 2 | 2 |  |  |  | √ |  |  | √ |  |  |  | √ |  |  |
| 9 | 323D4102 | Pengolahan Isyarat Digital | 2 |  |  |  |  |  | √ |  |  |  |  | √ |  |  |
| 10 | 325D4102 | Elektronika Telekomunikasi | 2 |  |  |  | √ |  |  | √ |  |  |  | √ |  |  |
| 11 | 326D4101 | Prakt. Pengolahan Isyarat Digital | 1 |  |  |  | √ |  |  | √ |  |  |  | √ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TEKNIK ENERGI LISTRIK (TEL) SEM VI** | | | | | |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 351D4102 | Elektronika Daya | 2 |  |  |  |  | √ |  | √ |  |  |  | √ |  |  |
| 2 | 352D4101 | Praktikum Elektonika.Daya | 1 |  |  |  |  | √ |  | √ |  |  |  | √ |  |  |
| 3 | 353D4102 | Teknik Kendali Sistem Tenaga Listrik | 2 |  |  |  |  |  |  | √ | √ |  |  | √ |  |  |
| 4 | 354D4102 | Teknik Tegangan Tinggi | 2 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 5 | 355D4102 | Distribusi Tenaga Listrik | 2 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 6 | 356D4102 | Sistem Proteksi I | 2 |  |  |  |  | √ |  | √ |  |  |  | √ |  |  |
| 7 | 357D4102 | Penggunaan Motor Listrik | 2 |  |  | √ |  |  |  | √ |  |  |  | √ |  |  |
| 8 | 358D4102 | Metode Numerik | 2 |  |  |  |  |  |  | √ |  |  |  | √ |  |  |
| 9 | 359D4101 | Prakt.(Transmisi) Distribusi Tenaga Listrik | 1 |  |  |  |  | √ |  | √ |  |  |  | √ |  |  |
| 10 | 360D4101 | Prakt. Mesin Arus Bolak Balik | 1 |  |  | √ |  | √ |  |  |  |  |  | √ |  |  |
| 11 | 371D4102 | Jaringan Komputer & Scada | 2 |  |  |  |  |  |  | √ | √ |  |  | √ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TEKNIK TELEKOMUNIKASI & INFORMASI (TTI) SEM VI** | | | | | |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 361D4102 | Sentral Digital | 2 | √ | √ |  |  |  |  |  |  |  |  | √ |  |  |
| 2 | 362D4102 | Komunikasi Satelit | 2 |  | √ | √ |  |  |  |  |  |  |  | √ |  |  |
| 3 | 363D4102 | Pengolahan Sinyal Multimedia | 2 |  |  |  |  |  |  | √ | √ |  |  | √ |  |  |
| 4 | 364D4102 | Perancangan Jaringan Teresterial | 2 |  |  |  |  | √ | √ |  |  |  |  | √ |  |  |
| 5 | 365D4102 | Komunikasi Seluler | 2 |  |  |  | √ |  |  |  |  |  |  | √ |  |  |
| 6 | 366D4102 | Jaringan Multimedia | 2 |  |  |  |  |  |  | √ | √ |  |  | √ |  |  |
| 7 | 367D4102 | Teknologi Jaringan Akses | 2 |  |  |  |  |  |  | √ | √ |  |  | √ |  |  |
| 8 | 368D4102 | Sistem Transmisi & Frekuensi Tinggi | 2 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 9 | 369D4101 | Prakt. Sistem Trans & Frek Tinggi | 1 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 10 | 370D4101 | Prakt. Elektronika Telekomunikasi | 1 |  |  |  |  |  |  | √ |  |  |  | √ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **T. KOMPUTER, KENDALI, & ELEKTRONIKA (TKKE) SEM VI** | | | | | |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 351D4102 | Elektronika Daya | 2 |  |  |  |  | √ |  | √ |  |  |  | √ |  |  |
| 2 | 352D4101 | Praktikum Elektonika.Daya | 1 |  |  |  |  | √ |  | √ |  |  |  | √ |  |  |
| 3 | 370D4101 | Prakt. Elektronika Telekomunikasi | 1 |  |  |  |  |  |  | √ |  |  |  | √ |  |  |
| 4 | 372D4102 | Sistem Kecerdasan Buatan | 2 |  |  |  |  |  |  | √ | √ |  |  | √ |  |  |
| 5 | 373D4102 | Rangkaian Penguat Operasional | 2 |  | √ | √ |  |  |  |  |  |  |  | √ |  |  |
| 6 | 374D4103 | Teknologi Rangkaian Terintegrasi | 3 |  |  |  |  | √ | √ |  |  |  |  | √ |  |  |
| 7 | 375D4102 | Sistem Instrumentasi Elektronika | 2 |  | √ | √ |  |  |  |  |  |  |  | √ |  |  |
| 8 | 376D4102 | Prakt. Sist. Instru. Elektronika | 2 |  | √ | √ |  |  |  |  |  |  |  | √ |  |  |
| 9 | 377D4103 | Sistem Kendali Digital | 3 | √ | √ |  |  |  |  |  |  |  |  | √ |  |  |
| 10 | 378D4102 | Otomasi Industri | 2 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 11 | 379D4101 | Prakt. Rangkaian Penguat Operasional | 1 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TEKNIK ENERGI LISTRIK (TEL) SEM VII** | | | | | |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 401D4101 | Metodologi Penelitian & Penulisasn Ilmiah | 1 | √ |  |  |  |  |  |  |  |  |  | √ |  |  |
| 2 | 402D4102 | Ekonomi Teknik | 2 | √ |  |  |  |  |  |  |  |  |  |  | √ |  |
| 3 | 403D4101 | Kerja Praktek I | 1 | √ |  |  |  |  |  |  |  |  |  |  |  | √ |
| 4 | 404D4101 | Kerja Praktek II | 1 | √ |  |  |  |  |  |  |  |  |  |  |  | √ |
| 5 | 405D4102 | Peralatan Tenaga Listrik | 2 |  |  |  |  | √ | √ |  |  |  |  | √ |  |  |
| 6 | 406D4102 | Sistem Proteksi II | 2 |  |  |  |  | √ | √ |  |  |  |  | √ |  |  |
| 7 | 407D4101 | Prakt. Sistem Proteksi | 1 |  |  |  |  | √ | √ |  |  |  |  | √ |  |  |
| 8 | 408D4101 | Prakt. Teknik TeganganTinggi | 1 |  |  |  |  | √ | √ |  |  |  |  | √ |  |  |
| 9 | 4xxD41x2 | Mata Kuliah Pilihan | 2 |  |  |  |  |  |  |  |  |  |  | √ |  |  |
| 10 | 4xxD41x2 | Mata Kuliah Pilihan | 2 |  |  |  |  |  |  |  |  |  |  | √ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TEKNIK TELEKOMUNIKASI & INFORMASI (TTI) SEM VII** | | | | | |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 401D4101 | Metodologi Penelitian & Penulisasn Ilmiah | 1 | √ |  |  |  |  |  |  |  |  |  | √ |  |  |
| 2 | 402D4102 | Ekonomi Teknik | 2 | √ |  |  |  |  |  |  |  |  |  |  | √ |  |
| 3 | 403D4101 | Kerja Praktek I | 1 | √ |  |  |  |  |  |  |  |  |  |  |  | √ |
| 4 | 404D4101 | Kerja Praktek II | 1 | √ |  |  |  |  |  |  |  |  |  |  |  | √ |
| 5 | 421D4102 | *Spread Spectrum* | 2 |  |  |  |  | √ | √ |  |  |  |  | √ |  |  |
| 6 | 422D4102 | Teori Informasi & Pengkodean | 2 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 7 | 423D4101 | Prak. Teknologi Akses | 1 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 8 | 424D4101 | Prak. Pengolahan sinyal & Multimedia | 1 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 9 | 4xxD41x2 | Mata Kuliah Pilihan | 2 |  |  |  |  |  |  |  |  |  |  | √ |  |  |
| 10 | 4xxD41x2 | Mata Kuliah Pilihan | 2 |  |  |  |  |  |  |  |  |  |  | √ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **T. KOMPUTER, KENDALI, & ELEKTRONIKA (TKKE) SEM VII** | | | | | | |  |  |  |  |  |  |  |  |  |  |
| 1 | 401D4101 | Metodologi Penelitian & Penulisasn Ilmiah | 1 | √ |  |  |  |  |  |  |  |  |  | √ |  |  |
| 2 | 402D4102 | Ekonomi Teknik | 2 | √ |  |  |  |  |  |  |  |  |  |  | √ |  |
| 3 | 403D4101 | Kerja Praktek I | 1 | √ |  |  |  |  |  |  |  |  |  |  |  | √ |
| 4 | 404D4101 | Kerja Praktek II | 1 | √ |  |  |  |  |  |  |  |  |  |  |  | √ |
| 5 | 431D4102 | Perancangan Sistem Digital | 2 |  | √ |  |  | √ |  |  |  |  |  | √ |  |  |
| 6 | 432D4102 | Perancangan Sistem Kendali | 2 |  |  |  |  | √ |  |  |  |  |  | √ |  |  |
| 7 | 433D4102 | Perancangan Sistem Elektronika | 2 | √ |  | √ |  |  |  |  |  |  |  | √ |  |  |
| 8 | 4xxD41x2 | Mata Kuliah Pilihan | 2 |  |  |  |  |  |  |  |  |  |  | √ |  |  |
| 9 | 4xxD41x2 | Mata Kuliah Pilihan | 2 |  |  |  |  |  |  |  |  |  |  | √ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TEKNIK ENERGI LISTRIK (TEL) SEM VIII** | | | | | |  |  |  |  |  |  |  |  |  |  |  |
| 1 |  | Kuliah Kerja Nyata | 4 | √ |  |  |  |  |  |  |  |  |  |  |  | √ |
| 2 | 441D4101 | Seminar | 1 | √ |  |  |  |  |  |  |  |  |  |  | √ |  |
| 3 | 444D4104 | Skripsi | 4 | √ |  |  |  |  |  |  |  |  |  |  | √ |  |
| 4 | 4xxD41x2 | Mata Kuliah Pilihan | 2 |  |  |  |  |  |  |  |  |  |  | √ |  |  |
| 5 | 4xxD41x2 | Mata Kuliah Pilihan | 2 |  |  |  |  |  |  |  |  |  |  | √ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TEKNIK TELEKOMUNIKASI & INFORMASI (TTI) SEM VIII** | | | | | |  |  |  |  |  |  |  |  |  |  |  |
| 1 |  | Kuliah Kerja Nyata | 4 | √ |  |  |  |  |  |  |  |  |  |  |  | √ |
| 2 | 441D4101 | Seminar | 1 | √ |  |  |  |  |  |  |  |  |  |  | √ |  |
| 3 | 444D4104 | Skripsi | 4 | √ |  |  |  |  |  |  |  |  |  |  | √ |  |
| 4 | 4xxD41x2 | Mata Kuliah Pilihan | 2 |  |  |  |  |  |  |  |  |  |  | √ |  |  |
| 5 | 4xxD41x2 | Mata Kuliah Pilihan | 2 |  |  |  |  |  |  |  |  |  |  | √ |  |  |
| 6 | 4xxD41x2 | Mata Kuliah Pilihan | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **T. KOMPUTER, KENDALI, & ELEKTRONIKA (TKKE) SEM VII** | | | | | | |  |  |  |  |  |  |  |  |  |  |
| 1 |  | Kuliah Kerja Nyata | 4 | √ |  |  |  |  |  |  |  |  |  |  |  | √ |
| 2 | 441D4101 | Seminar | 1 | √ |  |  |  |  |  |  |  |  |  |  | √ |  |
| 3 | 444D4104 | Skripsi | 4 | √ |  |  |  |  |  |  |  |  |  |  | √ |  |
| 4 | 4xxD41x2 | Mata Kuliah Pilihan | 2 |  |  |  |  |  |  |  |  |  |  | √ |  |  |
| 5 | 4xxD41x2 | Mata Kuliah Pilihan | 2 |  |  |  |  |  |  |  |  |  |  | √ |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **MATA KULIAH PILIHAN SEMESTER AWAL (GANJIL)** | | | | | | |  |  |  |  |  |  |  |  |  |  |
| 1 | 421D4102 | Iluminasi | 2 |  |  |  | √ |  |  |  |  |  |  |  |  |  |
| 2 | 422D4102 | Pemrograman Komputer Lanjut | 1 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 3 | 423D4102 | Qualitas Sistem Tenaga | 1 |  |  |  | √ |  |  |  |  |  |  |  |  |  |
| 4 | 424D4102 | Rekayasa Nuklir | 2 |  |  |  | √ |  |  |  |  |  |  |  |  |  |
| 5 | 425D4102 | Kewira-usahaan | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 6 | 426D4102 | Transmisi Arus Searah | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 7 | 427D4102 | Gardu Induk & Pembumian | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 8 | 428D4102 | Kendali Sistem Tenaga Listrik (\*) | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 9 | 429D4102 | Medan Elektromagnetik Kompatibel(\*) | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 10 | 430D4102 | Manajemen Energi | 2 |  |  |  |  |  |  | √ |  |  |  |  |  |  |
| 11 | 431D4102 | Topik Khusus Wireless | 2 |  |  |  |  |  |  | √ |  |  |  |  |  |  |
| 12 | 432D4102 | Topik Khusus Pengolahan Sinyal | 2 |  |  |  |  |  |  | √ |  |  |  |  |  |  |
| 13 | 433D4102 | Topik Khusus Antena | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 14 | 434D4102 | Topik Khusus Jar. Telekomunikasi | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 15 | 435D4102 | Jaringan Komunikasi Serat Optik | 2 |  |  |  |  |  | √ |  |  |  |  |  |  |  |
| 16 | 436D4102 | Manajemen dan Regulasi Telkom | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 17 | 437D4102 | Perangkat Lunak Telekomunikasi | 2 |  |  |  |  |  | √ |  |  |  |  |  |  |  |
| 18 | 438D4102 | Komunikasi Seluler Lanjut | 2 |  |  |  |  |  | √ |  |  |  |  |  |  |  |
| 19 | 439D4102 | Optimisasi Jaringan Telekomunikasi | 2 |  |  |  |  |  | √ |  |  |  |  |  |  |  |
| 20 | 440D4102 | Teknologi Komunikasi Lanjut | 2 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 21 | 446D4102 | Aplikasi Kecerdasan Buatan (\*\*\*) | 2 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 22 | 447D4102 | Topik Khusus Teknik Komputer | 2 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 23 | 448D4102 | Pemrograman Berorientasi Obyek | 1 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 24 | 449D4102 | Sistem Operasi Komputer | 2 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 25 | 450D4102 | Pengolahan Citra | 1 |  |  |  | √ |  |  |  |  |  |  |  |  |  |
| 26 | 451D4102 | Topik Khusus Teknik Kendali | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 27 | 452D4102 | Pemodelan dan Simulasi Numerik | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 28 | 453D4102 | Sistem Kendali Stokhastik | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 29 | 454D4102 | Sistem Kendali Optimal | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 30 | 455D4102 | Sistem Komunikasi Data (\*\*\*) | 2 |  |  |  |  |  | √ |  |  |  |  |  |  |  |
| 31 | 456D4102 | Otomasi Sistem Kendali (\*\*\*) | 1 |  |  |  |  |  | √ |  |  |  |  |  |  |  |
| 32 | 457D4102 | Topik Khusus Teknik Elektronika | 2 |  |  |  |  |  | √ |  |  |  |  |  |  |  |
| 33 | 458D4102 | Perancangan Sistem VLSI | 2 |  |  |  |  |  |  | √ |  |  |  |  |  |  |
| 34 | 459D4102 | Aplikasi Penguat Operasional (\*\*\*) | 1 |  |  |  |  |  |  | √ |  |  |  |  |  |  |
| 35 | 460D4102 | Sistem Monitoring dan Instrumen (\*\*\*) | 2 |  |  |  |  |  |  | √ |  |  |  |  |  |  |
| 36 | 461D4102 | Rangkaian Elektronika Digital (\*)(\*\*\*) | 2 |  |  |  |  |  |  | √ |  |  |  |  |  |  |
| 37 | 499D4101 | Ekstra Ko-Kurikuler | 1 | √ |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **MATA KULIAH PILIHAN SEMESTER AKHIR (GENAP)** | | | | | |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 466D4102 | Analisis Transien Mesin Listrik | 2 |  |  | √ |  |  |  |  |  |  |  |  |  |  |
| 2 | 467D4102 | Opto Elektronika | 2 |  |  | √ |  |  |  |  |  |  |  |  |  |  |
| 3 | 468D4102 | Penggunaan Komp dalam Sistem Tenaga | 1 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 4 | 469D4102 | Operasi Sistem Tenaga | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 5 | 470D4102 | Pemetaan Jaringan | 1 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 6 | 471D4102 | Sumber Energi NonKonvensional | 2 |  |  |  | √ |  |  |  |  |  |  |  |  |  |
| 7 | 472D4102 | Pengambilan Keputusan & Pemasaran | 2 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 8 | 473D4102 | Manajemen Teknik | 2 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 9 | 474D4102 | Analisis Numerik (\*) | 2 |  |  |  |  |  |  | √ |  |  |  |  |  |  |
| 10 | 475D4102 | Ilmu Lingkungan | 2 |  |  |  | √ |  |  |  |  |  |  |  |  |  |
| 11 | 431D4102 | Topik Khusus Wireless | 2 |  |  |  |  |  | √ |  |  |  |  |  |  |  |
| 12 | 432D4102 | Topik Khusus Pengolahan Sinyal | 2 |  |  |  |  |  | √ |  |  |  |  |  |  |  |
| 13 | 433D4102 | Topik Khusus Antena | 2 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 14 | 434D4102 | Topik Khusus Jaringan Telekomunikasi | 2 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 15 | 476D4102 | Radar dan Navigasi | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 16 | 477D4102 | Sistem Komunikasi Digital (\*\*) | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 17 | 478D4102 | Pemodelan & Simulasi Telekomunikasi | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 18 | 479D4102 | Sistem Pengolahan dan Penapisan Isyarat (\*\*) | 2 |  |  |  |  |  | √ |  |  |  |  |  |  |  |
| 19 | 447D4102 | Topik Khusus Teknik Komputer | 2 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 20 | 451D4102 | Topik Khusus Teknik Kendali | 2 |  |  |  |  |  | √ |  |  |  |  |  |  |  |
| 21 | 457D4102 | Topik Khusus Teknik Elektronika | 2 |  |  |  |  |  | √ |  |  |  |  |  |  |  |
| 22 | 480D4102 | Teknologi Jaringan Komputer (\*\*) (\*\*\*) | 2 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 23 | 481D4102 | Sistem Multi Media | 2 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 24 | 482D4102 | Aritmatika Komputer | 1 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 25 | 483D4102 | Robotika Industri | 2 |  |  |  |  |  |  |  | √ |  |  |  |  |  |
| 26 | 484D4102 | Pemodelan dan Simulasi Analog | 2 |  |  |  |  |  | √ |  |  |  |  |  |  |  |
| 27 | 485D4102 | Sistem Kendali Cerdas | 2 |  |  |  |  |  | √ |  |  |  |  |  |  |  |
| 28 | 486D4102 | Elektronika Biomedik | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 29 | 487D4102 | Implementasi Sistem VLSI | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 30 | 488D4102 | Elektronika Industri | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 31 | 489D4102 | Divais Mikroelektronika | 1 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 32 | 490D4102 | Sistem Scada | 2 |  |  |  |  | √ |  |  |  |  |  |  |  |  |
| 33 | 499D4101 | Ekstra Ko-Kurikuler | 1 |  |  |  |  |  | √ |  |  |  |  |  |  |  |