**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 |  |  |  |  |  | √ |  |  |  |  |  |  |  |