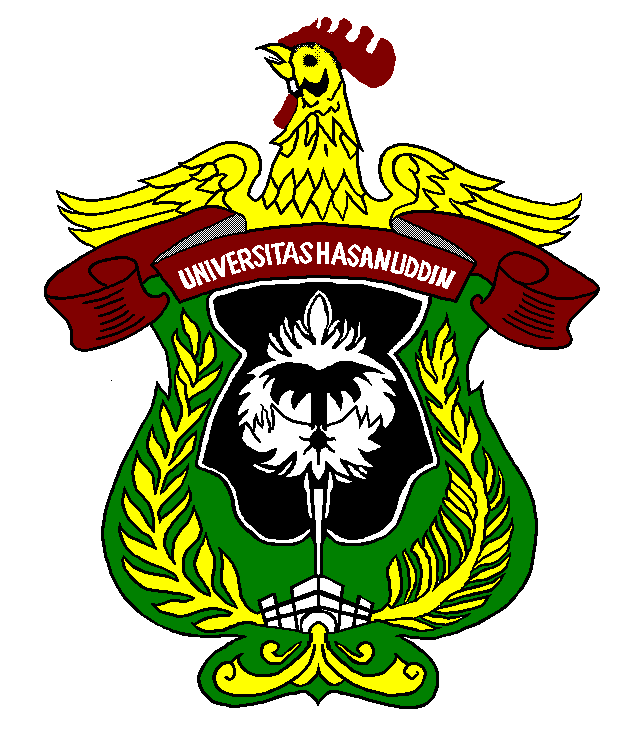
Halaman Muka



**BUKU**

**KURIKULUM BERBASIS KOMPETENSI**

**PROGRAM STUDI**

**TEKNIK ELEKTRO**

**FAKULTAS TEKNIK**

Susunan Pertama Ditetapkan Berdasarkan SK Rektor Nomor.........................................................................

Tanggal.......................................................................

Berlaku mulai tahun akademik: .........................................

Kurikulum ini Ditetepkan Berdasarkan SK Rektor

Nomor........................................................................ Tanggal ......................................................................

**UNIVERSITAS HASANUDDIN**

**2011**

**KATA PENGANTAR**,

Puji syukur kehadirat Allah SWT, karena penyusunan Kurikulum 2010 telah dapat dirampungkan pada awal semester akhir 2010/2011. Kurikulum ini , yang akan dilaksanakan pada semester awal 2011/2012, merupakan hasil penyempurnaan dari kurikulum 2005. Evaluasi kurikulum 2005 menunjukkan adanya beberapa mata kuliah yang tidak menempati posisi penyajian yang tepat. Demikian pula terdapat beberapa mata kuliah yang sangat diperlukan namun tidak terdapat pada kurikulum 2005 ini.

Kurikulum 2005 dilaksanakan mulai semester Awal 2006/2007 hingga semester Akhir 2010/201, sehingga telah dijalankan selama 4 tahun. Oleh karena itu dianggap perlu untuk melakukan evaluasi kembali terhadap kurikulum 2005. Sejak awal tahun 2010 telah beberapa kali dilakukan peninjauan terhadap kurikulum 2005 dan pada Januari 2011 ini telah berhasil dirampungkan susunan Kurikulum baru yang disertai dengan penyusunan garis besar rencana pembelajaran (GBRP).

Kurikulum ini, yang dinamakan kurikulum 2010, disusun bedasarkan konsep Kurikulum Berbasis Kompetensi (KBK), Student Centered Learning (SCL) dan Lab Based Education (LBE). Pada kurikulum berkonsep KBK penekanan diletakkan terhadap hasil akhir kemampuan dari setiap mahasiswa. Target kompetensi secara tegas dinyatakan pada kurikulum ini. Dengan demikian, secara terukur kemampuan mahasiswa telah dapat diketahui setiap menyelesaikan suatu matakuliah. Konsep SCL dimana proses pembelajaran dipusat kepada mahasiswa diimplementasikan pada kurikulum ini melalui GBRP dari setiap matakuliah. Pada GBRP secara lengkap dituliskan metode pembelajaran yang digunakan lengkap dengan rincian penilaian dari setiap kegiatan perkuliahan. Dan terakhir adalah LBE yang merupakan suatu program yang mengutamakan kegiatan laboratorium baik untuk eksperimen maupun riset juga telah diimplementasikan pada kurikulum ini. Sekitar 30% matakulia berbasis laboratorium dan dicanangkan pada semester 7 mahasiswa telah dapat melaksanakan risetnya.

Dengan demikian, kami para staf Jurusan mempersembahkan Kurikulum 2010 ini mudah-mudahan dapat diimplementasikan dengan baik. Lebih kurangnya jika terdapat kesalahan mohon dimaafkan. Segala masukan maupun kritik tetap kami perlukan agar kurikulum ini dapat semakin disempurnakan.

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**KURIKULUM BERBASIS KOMPETENSI (KBK)**

**PROGRAM STUDI TEKNIK ELEKTRO FAKULTAS TEKNIK**

**UNIVERSITAS HASANUDDIN TAHUN 2011**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **A. Visi Program Studi**   |  | | --- | | Menjadikan Program Studi Teknik Elektro FT-UNHAS menjadi Pusat Pengembangan dan Penerapan Teknologi yang terkemuka dan mampu bersaing di tingkat nasional maupun global |   **B. Misi Program Studi**   |  | | --- | | 1. Menghasilkan lulusan profesional yang mampu mengembangkan secara mandiri ketrampilan teknis dan pengetahuannya 2. Menghasilkan lulusan profesional yang mampu menyesuaikan diri dengan kemajuan perkembangan teknologi dan berjiwa wirausaha. 3. Menghasilkan karya-karya ilmiah yang berwawasan nasional mapun global dan berdaya guna bagi masyarakat. 4. Menerapkan pengetahuan Teknik Elektro dalam mengatasi permasalahan yang ada di masyarakat |   **C. Tujuan Program Studi**   |  | | --- | | 1. Menghasilkan tenaga-tenaga yang kompeten dan profesional di bidang Teknik Energi Listrik (TEL), Teknik Telekomunikasi dan Informasi (TTI), serta Teknik Komputer, Kendali, dan Elektronika (TKKE) yang berdaya saing nasional mapun global. 2. Mengembangkan kajian-kajian di bidang Teknik Energi Listrik, Teknologi Nirkabel, Teknologi Kendali Proses, dan Jaringan Komputer guna kemaslahatan bersama. 3. Meningkatkan peran dan citra Jurusan / Program Studi melalui pemberdayaan alumni yang tersebar di berbagai lapangan kerja di seluruh Indonesia maupun luar negeri. 4. Meningkatkan kualitas dan kinerja Jurusan / Program Studi melalui pelaksanaan kerjasama dengan berbagai pihak baik di dalam maupun di luar Universitas Hasanuddin. |   **D. Sasaran**   |  | | --- | | 1. Mahasiswa menyelesaikan studi tepat waktu minimal 20% 2. Meningkatkan mutu dan relevansi program pendidikan teknik elektro dengan titik berat pada pendidikan dan latihan yang memberi kontribusi pengembangan tenaga kerja yang terampil, mampu bekerjasama dan mampu mengikuti perkembangan informasi dan teknologi berdasarkan nilai-nilai keislaman | |

# E. Profil Lulusan Program Studi

|  |  |
| --- | --- |
| **PROFIL LULUSAN PROGRAM STUDI** | |
| PRF-1 | Memiliki integritas dan kedisiplinan yang tinggi, serta berkemauan keras, jujur dan bertanggungjawab. |
| PRF-2 | Menghasilkan lulusan yang berorientasi pada dunia kerja dengan sumber daya manusia yang memiliki keahlian di bidang Teknik Energi Listrik, Teknik Telekomunikasi dan Informasi, Teknik Komputer, Kendali dan Elektronika |
| PRF-3 | Menerapkan ilmu pengetahuan dan teknologi sesuai dengan kebutuhan masyarakat. |
| PRF-4 | Lulusan mempunyai penguasaan pengetahuan dan keterampilan kerja di bidang Teknik Energi Listrik (TEL), Teknik Telekomunikasi dan Informasi (TTI), Teknik Komputer, Kendali dan Elektronika (TKKE) |
| PRF-5 | Lulusan mempunyai jiwa wiraswasta yang mampu menciptakan lapangan kerja serta mampu berkompetisi sebagai tenaga kerja pada bidang industri. |

1. **Kompetensi**

**1. Standar Kompetensi Nasional**

**(Kalau Ada, dan Hapus kalau tidak Ada)**

# Kompetensi Lulusan

|  |  |  |
| --- | --- | --- |
| Utama | U1 | Memiliki keahlian dasar dalam bidang ilmu teknik elektro |
| U2 | Mampu mendesain sistem kelistrikan dan menganalisisnya secara teknis-ekonomis |
| U3 | Menguasai teknik instalasi, transmisi dan distribusi listrik, serta pekerjaan gardu induk |
| U4 | Menguasai bidang pengendalian, pengoperasian dan perawatan mesin-mesin listrik dan mengaplikasikannya. |
| U5 | Mampu bekerja sebagai tenaga perencana, pelaksana, pengaturan dan pengendalian sistem, jaringan, perangkat keras dan perangkat lunak yang diaplikasikan dalam bidang telekomunikasi dan informasi dalam format multimedia. |
| U6 | Mampu mengantisipasi, merumuskan dan menyelesaikan masalah yang terkait dengan sistem, jaringan, perangkat keras dan perangkat lunak yang diaplikasikan dalam bidang telekomunikasi dan informasi dalam format multimedia. |
| U7 | Mampu mengembangkan ilmu-pengetahuan dan teknologi khususnya dalam bidang telekomunikasi dan informasi, serta senantiasa menyesuaikan diri dengan kemajuan ilmu-pengetahuan dan teknologi dalam bidang tersebut |
| U8 | Mampu memakai paket-paket perangkat lunak komputer untuk pemodelan dan simulasi masalah-masalah teknik elektro khususnya dan masalah rekayasa pada umumnya. |
| U9 | Menguasai konsep, rancangan dan aplikasi perangkat keras komputer digital |
| U10 | Mampu merencanakan & merancang arsitektur jaringan komputer serta pengetahuan dasar utk mengadministrasikan suatu jaringan komputer terpadu. |
| U11 | Menguasai dasar-dasar teori kendali, baik yang klasik maupun moderen serta aplikasinya dalam analisis dan perancangan sistem kendali. |
| U12 | menguasai pengetahuan tentang perancangan, fabrikasi dan aplikasi berbagai piranti, rangkaian dan sistem elektronika dan mikroelektronika termasuk penggunaan paket-paket perangkat lunak untuk merancang tata letak rangkaian terintegrasi. |
| Pendukung | P1 | Mampu Berwirausaha / bekerja mandiri / bekerjasama dalam bidang teknik elektro |
| P2 | Mampu menggunakan bahasa-bahasa pemrograman yang umum digunakan dalam dunia enjiniring |
| P3 | Mampu menggunakan bahasa asing sebagai *second language* |
| Lainnya | L1 | Mampu terlibat dalam kehidupan sosial bermasyarakat berdasarkan budaya bahari |
| L2 | Beriman dan bertaqwa kepada Tuhan YME, berbudi pekerti luhur, memiliki etika dan moral, berkepribadian yang luhur dan mandiri serta bertanggung jawab terhadap masyarakat dan bangsa |
| L3 | Memiliki jiwa kepemimpinan, peneliti dan enterpreneur serta mampu bersaing |

1. **Matriks hubungan Antara Komponen Kurikulum**

**Tabel-1** Matriks hubungan antara Profil dan Kompetensi Lulusan

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PROFIL LULUSAN PROGRAM STUDI** | | **KOMPETENSI YANG SEHARUSNYA DIMILIKI** | | | | | | | | | | | | | | | | | |
| **UTAMA** | | | | | | | | | | | | **PENDUKUNG** | | | **LAINNYA** | | |
|
| **U1** | **U2** | **U3** | **U4** | **U5** | **U6** | **U7** | **U8** | **U9** | **U10** | **U11** | **U12** | **P1** | **P2** | **P3** | **L1** | **L2** | **L3** |
| PRF-1 | Memiliki integritas dan kedisiplinan yang tinggi, serta berkemauan keras, jujur dan bertanggungjawab. | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | √ | √ |
| PRF-2 | Menghasilkan lulusan yang berorientasi pada dunia kerja dengan sumber daya manusia yang memiliki keahlian di bidang Teknik Energi Listrik, Teknik Telekomunikasi dan Informasi, Teknik Komputer, Kendali dan Elektronika | √ | √ | √ | √ | √ | √ | √ | √ |  |  | √ | √ | √ | √ |  | √ | √ | √ |
| PRF-3 | Menerapkan ilmu pengetahuan dan teknologi sesuai dengan kebutuhan masyarakat. | √ |  | √ | √ |  | √ |  |  |  | √ | √ |  |  | √ |  | √ |  | √ |
| PRF-4 | Lulusan mempunyai penguasaan pengetahuan dan keterampilan kerja di bidang Teknik Energi Listrik (TEL), Teknik Telekomunikasi dan Informasi (TTI), Teknik Komputer, Kendali dan Elektronika (TKKE) | √ |  |  | √ | √ |  |  |  |  | √ | √ |  | √ |  |  |  |  | √ |
| PRF-5 | Lulusan mempunyai jiwa wiraswasta yang mampu menciptakan lapangan kerja serta mampu berkompetisi sebagai tenaga kerja pada bidang industri. | √ | √ |  |  | √ |  | √ |  |  |  | √ |  | √ |  |  | √ |  | √ |

# Struktur dan Isi Kurikulum

Setelah semua kompetensi lulusan terumuskan, langkah selanjutnya adalah mengkaji apakah kompetensi tersebut telah mengandung kelima elemen kompetensi seperti yang diwajibkan dalam Kepmendiknas No.045/U/2002 (232/U/2000?). Kelima elemen kompetensi tersebut adalah : (a) landasan kepribadian, (b) penguasaan ilmu dan keterampilan, (c) kemampuan berkarya, (d) sikap dan perilaku dalam berkarya menurut tingkat keahlian berdasarkan ilmu dan keterampilan yang dikuasai, (e) pemahaman kaidah berkehidupan bermasyarakat sesuai dengan pilihan keahlian dalam berkarya, dikembangan dengan tiga pilar kompetensi, seperti dalam **Tabel-2**. berikut

**Tabel-2** Matriks hubungan antara Rumusan Kompetensi dengan Elemen Kompetensi Sesuai SK Mendiknas No. 045/U/2002

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **KELOMPOK KOMPETENSI** | **RUMUSAN KOMPETENSI** | | **ELEMEN KOMPETENSI** | | | | |
| **a** | **B** | **c** | **d** | **E** |
| UTAMA | U1 | Memiliki keahlian dasar dalam bidang ilmu teknik elektro |  | **√** |  |  |  |
| U2 | Mampu mendesain sistem kelistrikan dan menganalisisnya secara teknis-ekonomis |  | **√** | **√** |  | **√** |
| U3 | Menguasai teknik instalasi, transmisi dan distribusi listrik, serta pekerjaan gardu induk |  | **√** |  |  |  |
| U4 | Menguasai bidang pengendalian, pengoperasian dan perawatan mesin-mesin listrik dan mengaplikasikannya. |  | **√** | **√** |  | **√** |
| U5 | Mampu bekerja sebagai tenaga perencana, pelaksana, pengaturan dan pengendalian sistem, jaringan, perangkat keras dan perangkat lunak yang diaplikasikan dalam bidang telekomunikasi dan informasi dalam format multimedia. |  | **√** | **√** | **√** |  |
| U6 | Mampu mengantisipasi, merumuskan dan menyelesaikan masalah yang terkait dengan sistem, jaringan, perangkat keras dan perangkat lunak yang diaplikasikan dalam bidang telekomunikasi dan informasi dalam format multimedia. |  | **√** | **√** | **√** |  |
| U7 | Mampu mengembangkan ilmu-pengetahuan dan teknologi khususnya dalam bidang telekomunikasi dan informasi, serta senantiasa menyesuaikan diri dengan kemajuan ilmu-pengetahuan dan teknologi dalam bidang tersebut |  | **√** |  |  | **√** |
| U8 | Mampu memakai paket-paket perangkat lunak komputer untuk pemodelan dan simulasi masalah-masalah teknik elektro khususnya dan masalah rekayasa pada umumnya. |  | **√** | **√** |  |  |
| U9 | Menguasai konsep, rancangan dan aplikasi perangkat keras komputer digital |  | **√** | **√** |  | **√** |
| U10 | Mampu merencanakan & merancang arsitektur jaringan komputer serta pengetahuan dasar utk mengadministrasikan suatu jaringan komputer terpadu. |  |  | **√** | **√** | **√** |
| U11 | menguasai dasar-dasar teori kendali, baik yang klasik maupun moderen serta aplikasinya dalam analisis dan perancangan sistem kendali. |  | **√** | **√** |  |  |
| U12 | menguasai pengetahuan tentang perancangan, fabrikasi dan aplikasi berbagai piranti, rangkaian dan sistem elektronika dan mikroelektronika termasuk penggunaan paket-paket perangkat lunak untuk merancang tata letak rangkaian terintegrasi. |  | **√** |  |  |  |
| PENDUKUNG | P1 | Mampu Berwirausaha / bekerja mandiri / bekerjasama dalam bidang teknik elektro | **√** |  |  | **√** | **√** |
| P2 | Mampu menggunakan bahasa-bahasa pemrograman yang umum digunakan dalam dunia enjiniring |  | **√** |  |  |  |
| P3 | Mampu menggunakan bahasa asing sebagai *second language* |  | **√** |  |  | **√** |
| LAINNYA | L1 | Mampu terlibat dalam kehidupan sosial bermasyarakat berdasarkan budaya bahari | **√** |  |  |  | **√** |
| L2 | Beriman dan bertaqwa kepada Tuhan YME, berbudi pekerti luhur, memiliki etika dan moral, berkepribadian yang luhur dan mandiri serta bertanggung jawab terhadap masyarakat dan bangsa | **√** |  |  |  | **√** |
| L3 | Memiliki jiwa kepemimpinan, peneliti dan enterpreneur serta mampu bersaing | **√** |  |  |  | **√** |

Kurikulum Program Studi Teknik Elektro dibangun berdasarkan 8 Bahan Kajian yaitu:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **KODE** | **BK-1** | **BK-2** | **BK-3** | **BK-4** | **BK-5** | **BK-6** | **BK-7** | **BK-8** |  |
| **Bahan Kajian** | Perangkat sistem energi, Perangkat sistem komunikasi dan perangkat kendali sistem | Generator, Komponen komunikasi dan Sensor | Motor listrik, Penghantar telekomunikasi dan Aktuator | Transformator, Pesawat Telepon dan Interface Komputer | Perlatan listrik industri, Antena dan Peralatan industri | Peralatan listrik rumah tangga, Radio, TV dan Peralatan rumah tangga | Perangkat lunak analisis sistem | Perangkat lunak disain sistem |

**Tabel-3** Matriks hubungan antara Rumusan Kompetensi dengan Bahan Kajian

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **RUMUSAN KOMPETENSI** | | | **BAHAN KAJIAN** | | | | | | | |
| **BK-1** | **BK-2** | **BK-3** | **BK-4** | **BK-5** | **BK-6** | **BK-7** | **BK-8** |
| UTAMA | U1 | Memiliki keahlian dasar dalam bidang ilmu teknik elektro | √ |  |  |  |  |  |  |  |
| U2 | Mampu mendesain sistem kelistrikan dan menganalisisnya secara teknis-ekonomis |  |  |  |  |  |  | √ | √ |
| U3 | Menguasai teknik instalasi, transmisi dan distribusi listrik, serta pekerjaan gardu induk |  | √ | √ | √ | √ |  |  |  |
| U4 | Menguasai bidang pengendalian, pengoperasian dan perawatan mesin-mesin listrik dan mengaplikasikannya. |  | √ | √ | √ |  | √ |  |  |
| U5 | Mampu bekerja sebagai tenaga perencana, pelaksana, pengaturan dan pengendalian sistem, jaringan, perangkat keras dan perangkat lunak yang diaplikasikan dalam bidang telekomunikasi dan informasi dalam format multimedia. |  |  |  |  | √ |  | √ | √ |
| U6 | Mampu mengantisipasi, merumuskan dan menyelesaikan masalah yang terkait dengan sistem, jaringan, perangkat keras dan perangkat lunak yang diaplikasikan dalam bidang telekomunikasi dan informasi dalam format multimedia. |  |  | √ | √ |  |  | √ | √ |
| U7 | Mampu mengembangkan ilmu-pengetahuan dan teknologi khususnya dalam bidang telekomunikasi dan informasi, serta senantiasa menyesuaikan diri dengan kemajuan ilmu-pengetahuan dan teknologi dalam bidang tersebut | √ | √ | √ | √ |  |  |  |  |
| U8 | Mampu memakai paket-paket perangkat lunak komputer untuk pemodelan dan simulasi masalah-masalah teknik elektro khususnya dan masalah rekayasa pada umumnya. | √ | √ | √ |  |  |  | √ | √ |
| U9 | Menguasai konsep, rancangan dan aplikasi perangkat keras komputer digital |  |  |  |  |  |  | √ | √ |
| U10 | Mampu merencanakan & merancang arsitektur jaringan komputer serta pengetahuan dasar utk mengadministrasikan suatu jaringan komputer terpadu. |  |  |  |  |  |  | √ | √ |
| U11 | menguasai dasar-dasar teori kendali, baik yang klasik maupun moderen serta aplikasinya dalam analisis dan perancangan sistem kendali. | √ | √ |  | √ |  |  |  |  |
| U12 | menguasai pengetahuan tentang perancangan, fabrikasi dan aplikasi berbagai piranti, rangkaian dan sistem elektronika dan mikroelektronika termasuk penggunaan paket-paket perangkat lunak untuk merancang tata letak rangkaian terintegrasi. |  |  |  | √ |  |  | √ | √ |
| PENDUKUNG | P1 | Mampu Berwirausaha / bekerja mandiri / bekerjasama dalam bidang teknik elektro | √ |  |  |  | √ |  |  |  |
| P2 | Mampu menggunakan bahasa-bahasa pemrograman yang umum digunakan dalam dunia enjiniring |  |  |  |  |  |  | √ | √ |
| P3 | Mampu menggunakan bahasa asing sebagai *second language* | √ |  |  |  |  |  |  |  |
| LAINNYA | L1 | Mampu terlibat dalam kehidupan sosial bermasyarakat berdasarkan budaya bahari | √ |  |  |  |  |  |  |  |
| L2 | Beriman dan bertaqwa kepada Tuhan YME, berbudi pekerti luhur, memiliki etika dan moral, berkepribadian yang luhur dan mandiri serta bertanggung jawab terhadap masyarakat dan bangsa | √ |  |  |  |  |  |  |  |
| L3 | Memiliki jiwa kepemimpinan, peneliti dan enterpreneur serta mampu bersaing | √ |  |  |  |  |  |  |  |

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

**Tabel-5 Matriks** Hubungan Matakuliah dan Kompetensi Program Studi

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **KODE** | **NAMA MATA KULIAH** | **SKS** | **KOMPETENSI** | | | | | | | | | | | | | | | | | |
| **UTAMA** | | | | | | | | | | | | **PENDUKUNG** | | | **LAINNYA** | | |
| **%** | | | | | | | | | | | | **%** | | | **%** | | |
| **…** | **…** | **…** | **…** | **…** | **…** | **…** | **…** | **…** | **…** | **…** | **…** | **…** | **…** | **…** | **…** | **…** | **…** |
| **U1** | **U2** | **U3** | **U4** | **U5** | **U6** | **U7** | **U8** | **U9** | **U10** | **U11** | **U12** | **P1** | **P2** | **P3** | **L1** | **L2** | **L3** |
| **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 | 2 |  |  |  |  |  |  |  | √ |  |  |  |  |  |  | √ |  |  |  |
| 24 | 449D4102 | Sistem Operasi Komputer | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25 | 450D4102 | Pengolahan Citra | 2 |  |  |  |  |  |  |  | √ |  |  |  |  |  |  | √ |  |  |  |
| 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 | 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 Pengo 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Tabel-6 Matriks** Hubungan Matakuliah Status, Prasyarat dan Semester

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **KODE** | **NAMA MATA KULIAH** | **Status** | | **MATAKULIAH PRASYARAT**  **(KODE)** | **SEMESTER** | | | | | | | |
| **Wj** | **Pl** |  | **I** | **II** | **III** | **IV** | **V** | **VI** | **VII** | **VIII** |
| 1 | 077U003 | Pendidikan Kewarganegaraan | √ |  | - | √ |  |  |  |  |  |  |  |
| 2 | 079U002 | Wawasan IPTEKS | √ |  | - | √ |  |  |  |  |  |  |  |
| 3 | 080U002 | Bahasa Indonesia | √ |  | - | √ |  |  |  |  |  |  |  |
| 4 | 085U003 | Matematika Dasar I | √ |  | - | √ |  |  |  |  |  |  |  |
| 5 | 086U003 | Fisika Dasar I | √ |  | - | √ |  |  |  |  |  |  |  |
| 6 | 111D4102 | Dasar Tenaga Listrik | √ |  | - | √ |  |  |  |  |  |  |  |
| 7 | 131D4102 | Dasar Komputer | √ |  | - | √ |  |  |  |  |  |  |  |
| 8 | 101D4102 | Menggambar Teknik | √ |  | - | √ |  |  |  |  |  |  |  |
| 9 | 102D4102 | Kimia Teknik | √ |  | - | √ |  |  |  |  |  |  |  |
| 10 | 072U003 | Agama Islam | √ |  | - |  | √ |  |  |  |  |  |  |
|  | 073U003 | Agama Katolik | √ |  | - |  | √ |  |  |  |  |  |  |
|  | 074U003 | Agama Protestan | √ |  | - |  | √ |  |  |  |  |  |  |
|  | 075U003 | Agama Hindu | √ |  | - |  | √ |  |  |  |  |  |  |
|  | 076U003 | Agama Budha | √ |  | - |  | √ |  |  |  |  |  |  |
| 11 | 078U002 | Wawasan Sosial Budaya Bahari | √ |  | - |  | √ |  |  |  |  |  |  |
| 12 | 081U002 | Bahasa Inggris | √ |  | - |  | √ |  |  |  |  |  |  |
| 13 | 089U003 | Fisika Dasar II | √ |  | 086U003 |  | √ |  |  |  |  |  |  |
| 14 | 090U003 | Matematika Dasar II | √ |  | 085U003 |  | √ |  |  |  |  |  |  |
| 15 | 141D4103 | Rangkaian Listrik I | √ |  | 086U003; 085U003 |  | √ |  |  |  |  |  |  |
| 16 | 151D4101 | Prak. Dasar Tenaga Listrik | √ |  | 111D4102 |  | √ |  |  |  |  |  |  |
| 17 | 161D4102 | Dasar Telekomunikasi | √ |  | - |  | √ |  |  |  |  |  |  |
| 18 | 171D4102 | Rangkaian Logika | √ |  | - |  | √ |  |  |  |  |  |  |
| 19 | 201D4103 | Matematika Teknik I | √ |  | 085U003; 090U003 |  |  | √ |  |  |  |  |  |
| 20 | 202D4102 | Fisika Teknik | √ |  | 086U003; 089U003 |  |  | √ |  |  |  |  |  |
| 21 | 203D4103 | Rangkaian Listrik II | √ |  | 141D4103 |  |  | √ |  |  |  |  |  |
| 22 | 204D4102 | Medan Elektromagnetik | √ |  |  |  |  | √ |  |  |  |  |  |
| 23 | 205D4102 | Pengukuran Listrik | √ |  |  |  |  | √ |  |  |  |  |  |
| 24 | 206D4102 | Probabilitas dan Statistik | √ |  | - |  |  | √ |  |  |  |  |  |
| 25 | 207D4101 | Prakt. Rangk. Listrik & Rangk. Logika | √ |  | 141D4103; 171D4102 |  |  | √ |  |  |  |  |  |
| 26 | 231D4102 | Dasar Elektronika | √ |  |  |  |  | √ |  |  |  |  |  |
| 27 | 232D4102 | Dasar Sistem Kendali | √ |  |  |  |  | √ |  |  |  |  |  |
| 28 | 261D4101 | Prak. Dasar Telekomunikasi | √ |  | 161D4102 |  |  | √ |  |  |  |  |  |
| **TEKNIK ENERGI LISTRIK (TEL)** | | | |  |  |  |  |  |  |  |  |  |  |
| 29 | 241D4103 | Matematika Teknik II | √ |  | 201D4103 |  |  |  | √ |  |  |  |  |
| 30 | 242D4102 | Sistem Linier | √ |  |  |  |  |  | √ |  |  |  |  |
| 31 | 243D4102 | Material Elektro Teknik | √ |  |  |  |  |  | √ |  |  |  |  |
| 32 | 244D4101 | Prakt. Dasar Elka & Pengukuran | √ |  | 231D4102; 205D4102 |  |  |  | √ |  |  |  |  |
| 33 | 251D4102 | Konversi Energi | √ |  |  |  |  |  | √ |  |  |  |  |
| 34 | 252D4102 | Transmisi Arus Bolak Balik | √ |  |  |  |  |  | √ |  |  |  |  |
| 35 | 253D4102 | Teknologi Transformer | √ |  |  |  |  |  | √ |  |  |  |  |
| 36 | 254D4102 | Instalasi Listrik | √ |  |  |  |  |  | √ |  |  |  |  |
| 37 | 255D4102 | Kompatibilitas Elektromagnetik | √ |  |  |  |  |  | √ |  |  |  |  |
| 38 | 256D4101 | Praktikum Instalasi Listrik | √ |  | 254D4102 |  |  |  | √ |  |  |  |  |
| 39 | 271D4102 | Pemrograman Komputer | √ |  | 131D4102 |  |  |  | √ |  |  |  |  |
| **TEKNIK TELEKOMUNIKASI & INFORMASI (TTI)** | | | | | |  |  |  |  |  |  |  |  |
| 29 | 241D4103 | Matematika Teknik II | √ |  | 201D4103 |  |  |  | √ |  |  |  |  |
| 30 | 242D4102 | Sistem Linier | √ |  |  |  |  |  | √ |  |  |  |  |
| 31 | 243D4102 | Material Elektro Teknik | √ |  |  |  |  |  | √ |  |  |  |  |
| 32 | 244D4101 | Prakt. Dasar Elka & Pengukuran | √ |  | 231D4102; 205D4102 |  |  |  | √ |  |  |  |  |
| 33 | 261D4102 | Komunikasi Digital | √ |  |  |  |  |  | √ |  |  |  |  |
| 34 | 262D4102 | Jaringan Telekomunikasi Telpon | √ |  |  |  |  |  | √ |  |  |  |  |
| 35 | 263D4102 | Antena dan Propagasi | √ |  |  |  |  |  | √ |  |  |  |  |
| 36 | 271D4102 | Pemrograman Komputer | √ |  | 131D4102 |  |  |  | √ |  |  |  |  |
| 37 | 272D4102 | Elektronika Analog | √ |  |  |  |  |  | √ |  |  |  |  |
| 38 | 273D4101 | Prakt. Elektronika Analog | √ |  | 272D4102 |  |  |  | √ |  |  |  |  |
| 39 | 274D4102 | Teknik Digital | √ |  |  |  |  |  | √ |  |  |  |  |
| **T. KOMPUTER, KENDALI, & ELEKTRONIKA (TKKE)** | | | | | |  |  |  |  |  |  |  |  |
| 29 | 241D4103 | Matematika Teknik II | √ |  | 201D4103 |  |  |  | √ |  |  |  |  |
| 30 | 242D4102 | Sistem Linier | √ |  |  |  |  |  | √ |  |  |  |  |
| 31 | 243D4102 | Material Elektro Teknik | √ |  |  |  |  |  | √ |  |  |  |  |
| 32 | 244D4101 | Prakt. Dasar Elka & Pengukuran | √ |  | 231D4102; 205D4102 |  |  |  | √ |  |  |  |  |
| 33 | 251D4102 | Konversi Energi | √ |  |  |  |  |  | √ |  |  |  |  |
| 34 | 271D4102 | Pemrograman Komputer | √ |  | 131D4102 |  |  |  | √ |  |  |  |  |
| 35 | 272D4102 | Elektronika Analog | √ |  |  |  |  |  | √ |  |  |  |  |
| 36 | 273D4101 | Prakt. Elektronika Analog | √ |  | 272D4102 |  |  |  | √ |  |  |  |  |
| 37 | 274D4102 | Teknik Digital | √ |  |  |  |  |  | √ |  |  |  |  |
| 38 | 275D4102 | Algoritma dan Struktur Data | √ |  |  |  |  |  | √ |  |  |  |  |
| 39 | 276D4102 | Arsitektur Komputer 1 | √ |  |  |  |  |  | √ |  |  |  |  |
| **TEKNIK ENERGI LISTRIK (TEL)** | | | | |  |  |  |  |  |  |  |  |  |
| 40 | 331D4102 | Sistem Mikroprosesor & Antarmuka | √ |  |  |  |  |  |  | √ |  |  |  |
| 41 | 332D4101 | Praktikum Mikroprosesor & Antarmuka | √ |  |  |  |  |  |  | √ |  |  |  |
| 42 | 333D4102 | Elektronika Digital | √ |  |  |  |  |  |  | √ |  |  |  |
| 43 | 334D4101 | Praktikum Elektronika Digital | √ |  |  |  |  |  |  | √ |  |  |  |
| 44 | 311D4102 | Mesin Arus Bolak Balik | √ |  |  |  |  |  |  | √ |  |  |  |
| 45 | 312D4102 | Analisis Sistem Tenaga | √ |  |  |  |  |  |  | √ |  |  |  |
| 46 | 313D4102 | Keandalan & Stabilitas Sistem Tenaga | √ |  |  |  |  |  |  | √ |  |  |  |
| 47 | 314D4102 | Teknologi Isolasi | √ |  |  |  |  |  |  | √ |  |  |  |
| 48 | 315D4102 | Mesin Arus Searah | √ |  |  |  |  |  |  | √ |  |  |  |
| 49 | 316D4102 | Pembangkit Tenaga Listrik | √ |  |  |  |  |  |  | √ |  |  |  |
| 50 | 317D4101 | Prakt.Transformator+Mesin Arus Searah | √ |  |  |  |  |  |  | √ |  |  |  |
| 51 | 318D4101 | Prakt. Teknologi Isolasi | √ |  |  |  |  |  |  | √ |  |  |  |
| **TEKNIK TELEKOMUNIKASI & INFORMASI (TTI)** | | | | | |  |  |  |  |  |  |  |  |
| 40 | 331D4102 | Sistem Mikroprosesor & Antarmuka | √ |  |  |  |  |  |  | √ |  |  |  |
| 41 | 332D4101 | Praktikum Mikroprosesor & Antarmuka | √ |  |  |  |  |  |  | √ |  |  |  |
| 42 | 335D4102 | Jaringan Komputer | √ |  |  |  |  |  |  | √ |  |  |  |
| 43 | 321D4102 | Kinerja sistem komunikasi | √ |  |  |  |  |  |  | √ |  |  |  |
| 44 | 322D4102 | Komunikasi Serat Optik | √ |  |  |  |  |  |  | √ |  |  |  |
| 45 | 323D4102 | Pengolahan Isyarat Digital | √ |  |  |  |  |  |  | √ |  |  |  |
| 46 | 324D4102 | Rekayasa Trafik | √ |  |  |  |  |  |  | √ |  |  |  |
| 47 | 325D4102 | Elektronika Telekomunikasi | √ |  |  |  |  |  |  | √ |  |  |  |
| 48 | 327D4102 | Tapis Analog Digital | √ |  |  |  |  |  |  | √ |  |  |  |
| 49 | 328D4101 | Prakt. Antena & Propagasi | √ |  |  |  |  |  |  | √ |  |  |  |
| 50 | 329D4101 | Praktikum Teknologi Switching | √ |  |  |  |  |  |  | √ |  |  |  |
| **T. KOMPUTER, KENDALI, & ELEKTRONIKA (TKKE)** | | | | | |  |  |  |  |  |  |  |  |
| 40 | 331D4102 | Sistem Mikroprosesor & Antarmuka | √ |  |  |  |  |  |  | √ |  |  |  |
| 41 | 332D4101 | Praktikum Mikroprosesor & Antarmuka | √ |  |  |  |  |  |  | √ |  |  |  |
| 42 | 333D4102 | Elektronika Digital | √ |  |  |  |  |  |  | √ |  |  |  |
| 43 | 334D4101 | Praktikum Elektronika Digital | √ |  |  |  |  |  |  | √ |  |  |  |
| 44 | 335D4102 | Jaringan Komputer | √ |  |  |  |  |  |  | √ |  |  |  |
| 45 | 336D4102 | Teknologi Kendali Proses | √ |  |  |  |  |  |  | √ |  |  |  |
| 46 | 337D4102 | Sistem Kendali | √ |  |  |  |  |  |  | √ |  |  |  |
| 47 | 338D4102 | Arsitektur Komputer 2 | √ |  |  |  |  |  |  | √ |  |  |  |
| 48 | 323D4102 | Pengolahan Isyarat Digital | √ |  |  |  |  |  |  | √ |  |  |  |
| 49 | 325D4102 | Elektronika Telekomunikasi | √ |  |  |  |  |  |  | √ |  |  |  |
| 50 | 326D4101 | Prakt. Pengolahan Isyarat Digital | √ |  |  |  |  |  |  | √ |  |  |  |
| **TEKNIK ENERGI LISTRIK (TEL)** | | | | |  |  |  |  |  |  |  |  |  |
| 52 | 351D4102 | Elektronika Daya | √ |  |  |  |  |  |  |  | √ |  |  |
| 53 | 352D4101 | Praktikum Elektonika.Daya | √ |  |  |  |  |  |  |  | √ |  |  |
| 54 | 353D4102 | Teknik Kendali Sistem Tenaga Listrik | √ |  |  |  |  |  |  |  | √ |  |  |
| 55 | 354D4102 | Teknik Tegangan Tinggi | √ |  |  |  |  |  |  |  | √ |  |  |
| 56 | 355D4102 | Distribusi Tenaga Listrik | √ |  |  |  |  |  |  |  | √ |  |  |
| 57 | 356D4102 | Sistem Proteksi I | √ |  |  |  |  |  |  |  | √ |  |  |
| 58 | 357D4102 | Penggunaan Motor Listrik | √ |  |  |  |  |  |  |  | √ |  |  |
| 59 | 358D4102 | Metode Numerik | √ |  |  |  |  |  |  |  | √ |  |  |
| 60 | 359D4101 | Prakt.(Transmisi) Distribusi Tenaga Listrik | √ |  |  |  |  |  |  |  | √ |  |  |
| 61 | 360D4101 | Prakt. Mesin Arus Bolak Balik | √ |  |  |  |  |  |  |  | √ |  |  |
| 62 | 371D4102 | Jaringan Komputer & Scada | √ |  |  |  |  |  |  |  | √ |  |  |
| **TEKNIK TELEKOMUNIKASI & INFORMASI (TTI)** | | | | | |  |  |  |  |  |  |  |  |
| 51 | 361D4102 | Sentral Digital | √ |  |  |  |  |  |  |  | √ |  |  |
| 52 | 362D4102 | Komunikasi Satelit | √ |  |  |  |  |  |  |  | √ |  |  |
| 53 | 363D4102 | Pengolahan Sinyal Multimedia | √ |  |  |  |  |  |  |  | √ |  |  |
| 54 | 364D4102 | Perancangan Jaringan Teresterial | √ |  |  |  |  |  |  |  | √ |  |  |
| 55 | 365D4102 | Komunikasi Seluler | √ |  |  |  |  |  |  |  | √ |  |  |
| 56 | 366D4102 | Jaringan Multimedia | √ |  |  |  |  |  |  |  | √ |  |  |
| 57 | 367D4102 | Teknologi Jaringan Akses | √ |  |  |  |  |  |  |  | √ |  |  |
| 58 | 368D4102 | Sistem Transmisi & Frekuensi Tinggi | √ |  |  |  |  |  |  |  | √ |  |  |
| 59 | 369D4101 | Prakt. Sistem Trans & Frek Tinggi | √ |  |  |  |  |  |  |  | √ |  |  |
| 60 | 370D4101 | Prakt. Elektronika Telekomunikasi | √ |  |  |  |  |  |  |  | √ |  |  |
| **T. KOMPUTER, KENDALI, & ELEKTRONIKA (TKKE)** | | | | | |  |  |  |  |  |  |  |  |
| 51 | 351D4102 | Elektronika Daya | √ |  |  |  |  |  |  |  | √ |  |  |
| 52 | 352D4101 | Praktikum Elektonika.Daya | √ |  |  |  |  |  |  |  | √ |  |  |
| 53 | 370D4101 | Prakt. Elektronika Telekomunikasi | √ |  |  |  |  |  |  |  | √ |  |  |
| 54 | 372D4102 | Sistem Kecerdasan Buatan | √ |  |  |  |  |  |  |  | √ |  |  |
| 55 | 373D4102 | Rangkaian Penguat Operasional | √ |  |  |  |  |  |  |  | √ |  |  |
| 56 | 374D4103 | Teknologi Rangkaian Terintegrasi | √ |  |  |  |  |  |  |  | √ |  |  |
| 57 | 375D4102 | Sistem Instrumentasi Elektronika | √ |  |  |  |  |  |  |  | √ |  |  |
| 58 | 376D4102 | Prakt. Sist. Instru. Elektronika | √ |  |  |  |  |  |  |  | √ |  |  |
| 59 | 377D4103 | Sistem Kendali Digital | √ |  |  |  |  |  |  |  | √ |  |  |
| 60 | 378D4102 | Otomasi Industri | √ |  |  |  |  |  |  |  | √ |  |  |
| 61 | 379D4101 | Prakt. Rangkaian Penguat Operasional | √ |  |  |  |  |  |  |  | √ |  |  |
| **TEKNIK ENERGI LISTRIK (TEL)** | | | | |  |  |  |  |  |  |  |  |  |
| 63 | 401D4101 | Metodologi Penelitian & Penulisasn Ilmiah | √ |  |  |  |  |  |  |  |  | √ |  |
| 64 | 402D4102 | Ekonomi Teknik | √ |  |  |  |  |  |  |  |  | √ |  |
| 65 | 403D4101 | Kerja Praktek I | √ |  |  |  |  |  |  |  |  | √ |  |
| 66 | 404D4101 | Kerja Praktek II | √ |  |  |  |  |  |  |  |  | √ |  |
| 67 | 405D4102 | Peralatan Tenaga Listrik | √ |  |  |  |  |  |  |  |  | √ |  |
| 68 | 406D4102 | Sistem Proteksi II | √ |  |  |  |  |  |  |  |  | √ |  |
| 69 | 407D4101 | Prakt. Sistem Proteksi | √ |  |  |  |  |  |  |  |  | √ |  |
| 70 | 408D4101 | Prakt. Teknik TeganganTinggi | √ |  |  |  |  |  |  |  |  | √ |  |
| **TEKNIK TELEKOMUNIKASI & INFORMASI (TTI)** | | | | | |  |  |  |  |  |  |  |  |
| 61 | 401D4101 | Metodologi Penelitian & Penulisasn Ilmiah | √ |  |  |  |  |  |  |  |  | √ |  |
| 62 | 402D4102 | Ekonomi Teknik | √ |  |  |  |  |  |  |  |  | √ |  |
| 63 | 403D4101 | Kerja Praktek I | √ |  |  |  |  |  |  |  |  | √ |  |
| 64 | 404D4101 | Kerja Praktek II | √ |  |  |  |  |  |  |  |  | √ |  |
| 65 | 421D4102 | *Spread Spectrum* | √ |  |  |  |  |  |  |  |  | √ |  |
| 66 | 422D4102 | Teori Informasi & Pengkodean | √ |  |  |  |  |  |  |  |  | √ |  |
| 67 | 423D4101 | Prak. Teknologi Akses | √ |  |  |  |  |  |  |  |  | √ |  |
| 68 | 424D4101 | Prak. Pengolahan sinyal & Multimedia | √ |  |  |  |  |  |  |  |  | √ |  |
| **T. KOMPUTER, KENDALI, & ELEKTRONIKA (TKKE)** | | | | | |  |  |  |  |  |  |  |  |
| 62 | 401D4101 | Metodologi Penelitian & Penulisasn Ilmiah | √ |  |  |  |  |  |  |  |  | √ |  |
| 63 | 402D4102 | Ekonomi Teknik | √ |  |  |  |  |  |  |  |  | √ |  |
| 64 | 403D4101 | Kerja Praktek I | √ |  |  |  |  |  |  |  |  | √ |  |
| 65 | 404D4101 | Kerja Praktek II | √ |  |  |  |  |  |  |  |  | √ |  |
| 66 | 431D4102 | Perancangan Sistem Digital | √ |  |  |  |  |  |  |  |  | √ |  |
| 67 | 432D4102 | Perancangan Sistem Kendali | √ |  |  |  |  |  |  |  |  | √ |  |
| 68 | 433D4102 | Perancangan Sistem Elektronika | √ |  |  |  |  |  |  |  |  | √ |  |
| **TEKNIK ENERGI LISTRIK (TEL)** | | | | | |  |  |  |  |  |  |  |  |
| 71 |  | Kuliah Kerja Nyata | √ |  |  |  |  |  |  |  |  |  | √ |
| 72 | 441D4101 | Seminar | √ |  |  |  |  |  |  |  |  |  | √ |
| 73 | 444D4104 | Skripsi | √ |  |  |  |  |  |  |  |  |  | √ |
| **TEKNIK TELEKOMUNIKASI & INFORMASI (TTI)** | | | | | |  |  |  |  |  |  |  |  |
| 69 |  | Kuliah Kerja Nyata | √ |  |  |  |  |  |  |  |  |  | √ |
| 70 | 441D4101 | Seminar | √ |  |  |  |  |  |  |  |  |  | √ |
| 71 | 444D4104 | Skripsi | √ |  |  |  |  |  |  |  |  |  | √ |
| **T. KOMPUTER, KENDALI, & ELEKTRONIKA (TKKE)** | | | | | |  |  |  |  |  |  |  |  |
| 69 |  | Kuliah Kerja Nyata | √ |  |  |  |  |  |  |  |  |  | √ |
| 70 | 441D4101 | Seminar | √ |  |  |  |  |  |  |  |  |  | √ |
| 71 | 444D4104 | Skripsi | √ |  |  |  |  |  |  |  |  |  | √ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 74 | 421D4102 | Iluminasi |  | √ |  |  |  |  |  |  |  | √ |  |
| 75 | 422D4102 | Pemrograman Komputer Lanjut |  | √ |  |  |  |  |  |  |  | √ |  |
| 76 | 423D4102 | Qualitas Sistem Tenaga |  | √ |  |  |  |  |  |  |  | √ |  |
| 77 | 424D4102 | Rekayasa Nuklir |  | √ |  |  |  |  |  |  |  | √ |  |
| 78 | 425D4102 | Kewira-usahaan |  | √ |  |  |  |  |  |  |  | √ |  |
| 79 | 426D4102 | Transmisi Arus Searah |  | √ |  |  |  |  |  |  |  | √ |  |
| 80 | 427D4102 | Gardu Induk & Pembumian |  | √ |  |  |  |  |  |  |  | √ |  |
| 81 | 428D4102 | Kendali Sistem Tenaga Listrik (\*) |  | √ |  |  |  |  |  |  |  | √ |  |
| 82 | 429D4102 | Medan Elektromagnetik Kompatibel(\*) |  | √ |  |  |  |  |  |  |  | √ |  |
| 83 | 430D4102 | Manajemen Energi |  | √ |  |  |  |  |  |  |  | √ |  |
| 84 | 431D4102 | Topik Khusus Wireless |  | √ |  |  |  |  |  |  |  | √ | √ |
| 85 | 432D4102 | Topik Khusus Pengolahan Sinyal |  | √ |  |  |  |  |  |  |  | √ | √ |
| 86 | 433D4102 | Topik Khusus Antena |  | √ |  |  |  |  |  |  |  | √ | √ |
| 87 | 434D4102 | Topik Khusus Jar. Telekomunikasi |  | √ |  |  |  |  |  |  |  | √ | √ |
| 88 | 435D4102 | Jaringan Komunikasi Serat Optik |  | √ |  |  |  |  |  |  |  | √ |  |
| 89 | 436D4102 | Manajemen dan Regulasi Telkom |  | √ |  |  |  |  |  |  |  | √ |  |
| 90 | 437D4102 | Perangkat Lunak Telekomunikasi |  | √ |  |  |  |  |  |  |  | √ |  |
| 91 | 438D4102 | Komunikasi Seluler Lanjut |  | √ |  |  |  |  |  |  |  | √ |  |
| 92 | 439D4102 | Optimisasi Jaringan Telekomunikasi |  | √ |  |  |  |  |  |  |  | √ |  |
| 93 | 440D4102 | Teknologi Komunikasi Lanjut |  | √ |  |  |  |  |  |  |  | √ |  |
| 94 | 446D4102 | Aplikasi Kecerdasan Buatan (\*\*\*) |  | √ |  |  |  |  |  |  |  | √ |  |
| 95 | 447D4102 | Topik Khusus Teknik Komputer |  | √ |  |  |  |  |  |  |  | √ | √ |
| 96 | 448D4102 | Pemrograman Berorientasi Obyek |  | √ |  |  |  |  |  |  |  | √ |  |
| 97 | 449D4102 | Sistem Operasi Komputer |  | √ |  |  |  |  |  |  |  | √ |  |
| 98 | 450D4102 | Pengolahan Citra |  | √ |  |  |  |  |  |  |  | √ |  |
| 99 | 451D4102 | Topik Khusus Teknik Kendali |  | √ |  |  |  |  |  |  |  | √ | √ |
| 100 | 452D4102 | Pemodelan dan Simulasi Numerik |  | √ |  |  |  |  |  |  |  | √ |  |
| 101 | 453D4102 | Sistem Kendali Stokhastik |  | √ |  |  |  |  |  |  |  | √ |  |
| 102 | 454D4102 | Sistem Kendali Optimal |  | √ |  |  |  |  |  |  |  | √ |  |
| 103 | 455D4102 | Komunikasi Data |  | √ |  |  |  |  |  |  |  | √ |  |
| 104 | 456D4102 | Otomasi Sistem Kendali (\*\*\*) |  | √ |  |  |  |  |  |  |  | √ |  |
| 105 | 457D4102 | Topik Khusus Teknik Elektronika |  | √ |  |  |  |  |  |  |  | √ |  |
| 106 | 458D4102 | Perancangan Sistem VLSI |  | √ |  |  |  |  |  |  |  | √ |  |
| 107 | 459D4102 | Aplikasi Penguat Operasional (\*\*\*) |  | √ |  |  |  |  |  |  |  | √ |  |
| 108 | 460D4102 | Sistem Monitoring dan Instrumen (\*\*\*) |  | √ |  |  |  |  |  |  |  | √ |  |
| 109 | 461D4102 | Rangkaian Elektronika Digital (\*)(\*\*\*) |  | √ |  |  |  |  |  |  |  | √ |  |
| 110 | 499D4101 | Ekstra Ko-Kurikuler |  | √ |  |  |  |  |  |  |  | √ | √ |
| 111 | 466D4102 | Analisis Transien Mesin Listrik |  | √ |  |  |  |  |  |  |  |  | √ |
| 112 | 467D4102 | Opto Elektronika |  | √ |  |  |  |  |  |  |  |  | √ |
| 113 | 468D4102 | Penggunaan Komp dalam Sistem Tenaga |  | √ |  |  |  |  |  |  |  |  | √ |
| 114 | 469D4102 | Operasi Sistem Tenaga |  | √ |  |  |  |  |  |  |  |  | √ |
| 115 | 470D4102 | Pemetaan Jaringan |  | √ |  |  |  |  |  |  |  |  | √ |
| 116 | 471D4102 | Sumber Energi NonKonvensional |  | √ |  |  |  |  |  |  |  |  | √ |
| 117 | 472D4102 | Pengambilan Keputusan & Pemasaran |  | √ |  |  |  |  |  |  |  |  | √ |
| 118 | 473D4102 | Manajemen Teknik |  | √ |  |  |  |  |  |  |  |  | √ |
| 119 | 474D4102 | Analisis Numerik (\*) |  | √ |  |  |  |  |  |  |  |  | √ |
| 120 | 475D4102 | Ilmu Lingkungan |  | √ |  |  |  |  |  |  |  |  | √ |
| 121 | 476D4102 | Radar dan Navigasi |  | √ |  |  |  |  |  |  |  |  | √ |
| 122 | 477D4102 | Sistem Komunikasi Digital (\*\*) |  | √ |  |  |  |  |  |  |  |  | √ |
| 123 | 478D4102 | Pemodelan & Simulasi Telekomunikasi |  | √ |  |  |  |  |  |  |  |  | √ |
| 124 | 479D4102 | Sistem Pengo dan Penapisan Isyarat (\*\*) |  | √ |  |  |  |  |  |  |  |  | √ |
| 125 | 480D4102 | Teknologi Jaringan Komputer (\*\*) (\*\*\*) |  | √ |  |  |  |  |  |  |  |  | √ |
| 126 | 481D4102 | Sistem Multi Media |  | √ |  |  |  |  |  |  |  |  | √ |
| 127 | 482D4102 | Aritmatika Komputer |  | √ |  |  |  |  |  |  |  |  | √ |
| 128 | 483D4102 | Robotika Industri |  | √ |  |  |  |  |  |  |  |  | √ |
| 129 | 484D4102 | Pemodelan dan Simulasi Analog |  | √ |  |  |  |  |  |  |  |  | √ |
| 130 | 485D4102 | Sistem Kendali Cerdas |  | √ |  |  |  |  |  |  |  |  | √ |
| 131 | 486D4102 | Elektronika Biomedik |  | √ |  |  |  |  |  |  |  |  | √ |
| 132 | 487D4102 | Implementasi Sistem VLSI |  | √ |  |  |  |  |  |  |  |  | √ |
| 133 | 488D4102 | Elektronika Industri |  | √ |  |  |  |  |  |  |  |  | √ |
| 134 | 489D4102 | Divais Mikroelektronika |  | √ |  |  |  |  |  |  |  |  | √ |
| 135 | 490D4102 | Sistem Scada |  | √ |  |  |  |  |  |  |  |  | √ |

**Tabel-7 Matriks** Hubungan Matakuliah Strategi Pembelajaran.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No** | **KODE** | **NAMA MATA KULIAH** | **STRATEGI PEMBELAJARAN** | | | | | | | | | | | | |
| **A** | **B** | **C** | **D** | **E** | **F** | **G** | **H** | **I** | **J** | **K** | **L** | **M** |
| 1 | 077U003 | Pendidikan Kewarganegaraan |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 079U002 | Wawasan IPTEKS |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | 080U002 | Bahasa Indonesia |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | 085U003 | Matematika Dasar I |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | 086U003 | Fisika Dasar I |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | 111D4102 | Dasar Tenaga Listrik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | 131D4102 | Dasar Komputer |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | 101D4102 | Menggambar Teknik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | 102D4102 | Kimia Teknik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | 072U003 | Agama Islam |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 073U003 | Agama Katolik |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 074U003 | Agama Protestan |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 075U003 | Agama Hindu |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 076U003 | Agama Budha |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 | 078U002 | Wawasan Sosial Budaya Bahari |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 | 081U002 | Bahasa Inggris |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | 089U003 | Fisika Dasar II |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 | 090U003 | Matematika Dasar II |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 | 141D4103 | Rangkaian Listrik I |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 | 151D4101 | Prak. Dasar Tenaga Listrik |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 17 | 161D4102 | Dasar Telekomunikasi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 | 171D4102 | Rangkaian Logika |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 | 201D4103 | Matematika Teknik I |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 | 202D4102 | Fisika Teknik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21 | 203D4103 | Rangkaian Listrik II |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22 | 204D4102 | Medan Elektromagnetik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23 | 205D4102 | Pengukuran Listrik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24 | 206D4102 | Probabilitas dan Statistik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25 | 207D4101 | Prakt. Rangk. Listrik & Rangk. Logika |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 26 | 231D4102 | Dasar Elektronika |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 27 | 232D4102 | Dasar Sistem Kendali |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 28 | 261D4101 | Prak. Dasar Telekomunikasi |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| **TEKNIK ENERGI LISTRIK (TEL)** | | | | | | |  |  |  |  |  |  |  |  |  |
| 29 | 241D4103 | Matematika Teknik II |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | 242D4102 | Sistem Linier |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31 | 243D4102 | Material Elektro Teknik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 32 | 244D4101 | Prakt. Dasar Elka & Pengukuran |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 33 | 251D4102 | Konversi Energi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 34 | 252D4102 | Transmisi Arus Bolak Balik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35 | 253D4102 | Teknologi Transformer |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 36 | 254D4102 | Instalasi Listrik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 37 | 255D4102 | Kompatibilitas Elektromagnetik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 38 | 256D4101 | Praktikum Instalasi Listrik |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 39 | 271D4102 | Pemrograman Komputer |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TEKNIK TELEKOMUNIKASI & INFORMASI (TTI)** | | | | | |  |  |  |  |  |  |  |  |  |  |
| 29 | 241D4103 | Matematika Teknik II |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | 242D4102 | Sistem Linier |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31 | 243D4102 | Material Elektro Teknik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 32 | 244D4101 | Prakt. Dasar Elka & Pengukuran |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 33 | 261D4102 | Komunikasi Digital |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 34 | 262D4102 | Jaringan Telekomunikasi Telpon |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35 | 263D4102 | Antena dan Propagasi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 36 | 271D4102 | Pemrograman Komputer |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 37 | 272D4102 | Elektronika Analog |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 38 | 273D4101 | Prakt. Elektronika Analog |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 39 | 274D4102 | Teknik Digital |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **T. KOMPUTER, KENDALI, & ELEKTRONIKA (TKKE)** | | | | | | | |  |  |  |  |  |  |  |  |
| 29 | 241D4103 | Matematika Teknik II |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | 242D4102 | Sistem Linier |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 31 | 243D4102 | Material Elektro Teknik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 32 | 244D4101 | Prakt. Dasar Elka & Pengukuran |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 33 | 251D4102 | Konversi Energi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 34 | 271D4102 | Pemrograman Komputer |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 35 | 272D4102 | Elektronika Analog |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 36 | 273D4101 | Prakt. Elektronika Analog |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 37 | 274D4102 | Teknik Digital |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 38 | 275D4102 | Algoritma dan Struktur Data |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 39 | 276D4102 | Arsitektur Komputer 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TEKNIK ENERGI LISTRIK (TEL)** | | | | | |  |  |  |  |  |  |  |  |  |  |
| 40 | 331D4102 | Sistem Mikroprosesor & Antarmuka |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 41 | 332D4101 | Praktikum Mikroprosesor & Antarmuka |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 42 | 333D4102 | Elektronika Digital |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 43 | 334D4101 | Praktikum Elektronika Digital |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 44 | 311D4102 | Mesin Arus Bolak Balik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45 | 312D4102 | Analisis Sistem Tenaga |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 46 | 313D4102 | Keandalan & Stabilitas Sistem Tenaga |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 47 | 314D4102 | Teknologi Isolasi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 48 | 315D4102 | Mesin Arus Searah |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 49 | 316D4102 | Pembangkit Tenaga Listrik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50 | 317D4101 | Prakt.Transformator+Mesin Arus Searah |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 51 | 318D4101 | Prakt. Teknologi Isolasi |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| **TEKNIK TELEKOMUNIKASI & INFORMASI (TTI)** | | | | | | | |  |  |  |  |  |  |  |  |
| 40 | 331D4102 | Sistem Mikroprosesor & Antarmuka |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 41 | 332D4101 | Praktikum Mikroprosesor & Antarmuka |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 42 | 335D4102 | Jaringan Komputer |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 43 | 321D4102 | Kinerja sistem komunikasi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 44 | 322D4102 | Komunikasi Serat Optik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45 | 323D4102 | Pengolahan Isyarat Digital |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 46 | 324D4102 | Rekayasa Trafik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 47 | 325D4102 | Elektronika Telekomunikasi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 48 | 327D4102 | Tapis Analog Digital |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 49 | 328D4101 | Prakt. Antena & Propagasi |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 50 | 329D4101 | Praktikum Teknologi Switching |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| **T. KOMPUTER, KENDALI, & ELEKTRONIKA (TKKE)** | | | | | | |  |  |  |  |  |  |  |  |  |
| 40 | 331D4102 | Sistem Mikroprosesor & Antarmuka |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 41 | 332D4101 | Praktikum Mikroprosesor & Antarmuka |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 42 | 333D4102 | Elektronika Digital |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 43 | 334D4101 | Praktikum Elektronika Digital |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 44 | 335D4102 | Jaringan Komputer |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45 | 336D4102 | Teknologi Kendali Proses |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 46 | 337D4102 | Sistem Kendali |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 47 | 338D4102 | Arsitektur Komputer 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 48 | 323D4102 | Pengolahan Isyarat Digital |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 49 | 325D4102 | Elektronika Telekomunikasi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 50 | 326D4101 | Prakt. Pengolahan Isyarat Digital |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| **TEKNIK ENERGI LISTRIK (TEL)** | | | | | |  |  |  |  |  |  |  |  |  |  |
| 52 | 351D4102 | Elektronika Daya |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 53 | 352D4101 | Praktikum Elektonika.Daya |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 54 | 353D4102 | Teknik Kendali Sistem Tenaga Listrik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55 | 354D4102 | Teknik Tegangan Tinggi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 56 | 355D4102 | Distribusi Tenaga Listrik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 57 | 356D4102 | Sistem Proteksi I |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 58 | 357D4102 | Penggunaan Motor Listrik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 59 | 358D4102 | Metode Numerik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60 | 359D4101 | Prakt.(Transmisi) Distribusi Tenaga Listrik |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 61 | 360D4101 | Prakt. Mesin Arus Bolak Balik |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 62 | 371D4102 | Jaringan Komputer & Scada |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TEKNIK TELEKOMUNIKASI & INFORMASI (TTI)** | | | | | | |  |  |  |  |  |  |  |  |  |
| 51 | 361D4102 | Sentral Digital |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 52 | 362D4102 | Komunikasi Satelit |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 53 | 363D4102 | Pengolahan Sinyal Multimedia |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 54 | 364D4102 | Perancangan Jaringan Teresterial |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55 | 365D4102 | Komunikasi Seluler |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 56 | 366D4102 | Jaringan Multimedia |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 57 | 367D4102 | Teknologi Jaringan Akses |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 58 | 368D4102 | Sistem Transmisi & Frekuensi Tinggi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 59 | 369D4101 | Prakt. Sistem Trans & Frek Tinggi |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 60 | 370D4101 | Prakt. Elektronika Telekomunikasi |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| **T. KOMPUTER, KENDALI, & ELEKTRONIKA (TKKE)** | | | | | | |  |  |  |  |  |  |  |  |  |
| 51 | 351D4102 | Elektronika Daya |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 52 | 352D4101 | Praktikum Elektonika.Daya |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 53 | 370D4101 | Prakt. Elektronika Telekomunikasi |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 54 | 372D4102 | Sistem Kecerdasan Buatan |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 55 | 373D4102 | Rangkaian Penguat Operasional |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 56 | 374D4103 | Teknologi Rangkaian Terintegrasi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 57 | 375D4102 | Sistem Instrumentasi Elektronika |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 58 | 376D4102 | Prakt. Sist. Instru. Elektronika |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 59 | 377D4103 | Sistem Kendali Digital |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60 | 378D4102 | Otomasi Industri |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 61 | 379D4101 | Prakt. Rangkaian Penguat Operasional |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| **TEKNIK ENERGI LISTRIK (TEL)** | | | | | | |  |  |  |  |  |  |  |  |  |
| 63 | 401D4101 | Metodologi Penelitian & Penulisasn Ilmiah |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 64 | 402D4102 | Ekonomi Teknik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65 | 403D4101 | Kerja Praktek I |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 66 | 404D4101 | Kerja Praktek II |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 67 | 405D4102 | Peralatan Tenaga Listrik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 68 | 406D4102 | Sistem Proteksi II |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 69 | 407D4101 | Prakt. Sistem Proteksi |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 70 | 408D4101 | Prakt. Teknik TeganganTinggi |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| **TEKNIK TELEKOMUNIKASI & INFORMASI (TTI)** | | | | | | |  |  |  |  |  |  |  |  |  |
| 61 | 401D4101 | Metodologi Penelitian & Penulisasn Ilmiah |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 62 | 402D4102 | Ekonomi Teknik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 63 | 403D4101 | Kerja Praktek I |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 64 | 404D4101 | Kerja Praktek II |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65 | 421D4102 | *Spread Spectrum* |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 66 | 422D4102 | Teori Informasi & Pengkodean |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 67 | 423D4101 | Prak. Teknologi Akses |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| 68 | 424D4101 | Prak. Pengolahan sinyal & Multimedia |  |  |  |  |  |  |  |  |  |  |  | √ |  |
| **T. KOMPUTER, KENDALI, & ELEKTRONIKA (TKKE)** | | | | | | |  |  |  |  |  |  |  |  |  |
| 62 | 401D4101 | Metodologi Penelitian & Penulisasn Ilmiah |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 63 | 402D4102 | Ekonomi Teknik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 64 | 403D4101 | Kerja Praktek I |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 65 | 404D4101 | Kerja Praktek II |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 66 | 431D4102 | Perancangan Sistem Digital |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 67 | 432D4102 | Perancangan Sistem Kendali |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 68 | 433D4102 | Perancangan Sistem Elektronika |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TEKNIK ENERGI LISTRIK (TEL)** | | | | | |  |  |  |  |  |  |  |  |  |  |
| 71 |  | Kuliah Kerja Nyata |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 72 | 441D4101 | Seminar |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 73 | 444D4104 | Skripsi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TEKNIK TELEKOMUNIKASI & INFORMASI (TTI)** | | | | | |  |  |  |  |  |  |  |  |  |  |
| 69 |  | Kuliah Kerja Nyata |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70 | 441D4101 | Seminar |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 71 | 444D4104 | Skripsi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **T. KOMPUTER, KENDALI, & ELEKTRONIKA (TKKE)** | | | | | | | |  |  |  |  |  |  |  |  |
| 69 |  | Kuliah Kerja Nyata |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 70 | 441D4101 | Seminar |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 71 | 444D4104 | Skripsi |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 74 | 421D4102 | Iluminasi | √ |  |  |  |  |  |  |  |  |  |  |  |  |
| 75 | 422D4102 | Pemrograman Komputer Lanjut |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 76 | 423D4102 | Qualitas Sistem Tenaga |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 77 | 424D4102 | Rekayasa Nuklir |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 78 | 425D4102 | Kewira-usahaan |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 79 | 426D4102 | Transmisi Arus Searah |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 80 | 427D4102 | Gardu Induk & Pembumian |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 81 | 428D4102 | Kendali Sistem Tenaga Listrik (\*) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 82 | 429D4102 | Medan Elektromagnetik Kompatibel(\*) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 83 | 430D4102 | Manajemen Energi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 84 | 431D4102 | Topik Khusus Wireless |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 85 | 432D4102 | Topik Khusus Pengolahan Sinyal |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 86 | 433D4102 | Topik Khusus Antena |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 87 | 434D4102 | Topik Khusus Jar. Telekomunikasi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 88 | 435D4102 | Jaringan Komunikasi Serat Optik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 89 | 436D4102 | Manajemen dan Regulasi Telkom |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90 | 437D4102 | Perangkat Lunak Telekomunikasi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 91 | 438D4102 | Komunikasi Seluler Lanjut |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 92 | 439D4102 | Optimisasi Jaringan Telekomunikasi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 93 | 440D4102 | Teknologi Komunikasi Lanjut |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 94 | 446D4102 | Aplikasi Kecerdasan Buatan (\*\*\*) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 95 | 447D4102 | Topik Khusus Teknik Komputer |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 96 | 448D4102 | Pemrograman Berorientasi Obyek |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 97 | 449D4102 | Sistem Operasi Komputer |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 98 | 450D4102 | Pengolahan Citra |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 99 | 451D4102 | Topik Khusus Teknik Kendali |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 100 | 452D4102 | Pemodelan dan Simulasi Numerik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 101 | 453D4102 | Sistem Kendali Stokhastik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 102 | 454D4102 | Sistem Kendali Optimal |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 103 | 455D4102 | Komunikasi Data |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 104 | 456D4102 | Otomasi Sistem Kendali (\*\*\*) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105 | 457D4102 | Topik Khusus Teknik Elektronika |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 106 | 458D4102 | Perancangan Sistem VLSI |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 107 | 459D4102 | Aplikasi Penguat Operasional (\*\*\*) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 108 | 460D4102 | Sistem Monitoring dan Instrumen (\*\*\*) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 109 | 461D4102 | Rangkaian Elektronika Digital (\*)(\*\*\*) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110 | 499D4101 | Ekstra Ko-Kurikuler |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 111 | 466D4102 | Analisis Transien Mesin Listrik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 112 | 467D4102 | Opto Elektronika | √ |  |  |  |  |  |  |  |  |  |  |  |  |
| 113 | 468D4102 | Penggunaan Komp dalam Sistem Tenaga |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 114 | 469D4102 | Operasi Sistem Tenaga |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 115 | 470D4102 | Pemetaan Jaringan |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 116 | 471D4102 | Sumber Energi NonKonvensional |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 117 | 472D4102 | Pengambilan Keputusan & Pemasaran |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 118 | 473D4102 | Manajemen Teknik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 119 | 474D4102 | Analisis Numerik (\*) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120 | 475D4102 | Ilmu Lingkungan |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 121 | 476D4102 | Radar dan Navigasi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 122 | 477D4102 | Sistem Komunikasi Digital (\*\*) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 123 | 478D4102 | Pemodelan & Simulasi Telekomunikasi |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 124 | 479D4102 | Sistem Pengo dan Penapisan Isyarat (\*\*) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 125 | 480D4102 | Teknologi Jaringan Komputer (\*\*) (\*\*\*) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 126 | 481D4102 | Sistem Multi Media |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 127 | 482D4102 | Aritmatika Komputer |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 128 | 483D4102 | Robotika Industri |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 129 | 484D4102 | Pemodelan dan Simulasi Analog |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130 | 485D4102 | Sistem Kendali Cerdas |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 131 | 486D4102 | Elektronika Biomedik |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 132 | 487D4102 | Implementasi Sistem VLSI |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 133 | 488D4102 | Elektronika Industri |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 134 | 489D4102 | Divais Mikroelektronika |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 135 | 490D4102 | Sistem Scada |  |  |  |  |  |  |  |  |  |  |  |  |  |

**STRATEGI PEMBELAJARAN**

|  |  |
| --- | --- |
| **KODE** | **STRATEGI PEMBELAJARAN** |
| A | Small Group Discussion (SGD) |
| B | Simulasi/Demonstrasi (S&D) |
| C | Discovery Learning (DL) |
| D | Self-Directed Learning (SDL) |
| E | Cooperative Learning (CL) |
| F | Collaborative Learning (CbL) |
| G | Experiental Learning (ExL) |
| H | Contextual Instruction (CI) |
| I | Project-Based Learning (PjBL) |
| J | Case Study (CS) |
| K | Computer Aided Learning (CAL) |
| L | Laboratorium Based Learning (LBE) |
| M | Lainnya |

# GBRP Matakuliah

Garis-garis Besar Rancangan Pembelajaran (GBRP) setiap matakuliah dapat dibaca pada lampiran.

# Aturan Peralihan

Peralihan penerapa kurikulum baru akan mengacu pada peraturan Akademik UNHAS dan Aturan lainnya yang akan ditetapkan kemudian.

# Evaluasi

Kurikulum ini akan dievaluasi dengan memperhatikan kebutuhan dan perkembangan terkini setiap lima tahun.

**LAMPIRAN**, minmal berisi:

1. GBRP

2. Daftar nama dosen, bidang minat/keahlian, dan alamat rumah

3. SK Task Force penyusun kurikulum