

**DAFTAR MATA KULIAH
PRODI SISTEM KOMPUTER
TAHUN 2017**

| No | Kode | Mata Kuliah | Kegiatan (SKS) | | | MK Prasyarat | Status |
|-------------------|-------|------------------------------------|----------------|----------|-----------|--------------|--------|
| | | | K | Pr | Jml | | |
| Semester I | | | | | | | |
| 1 | MWS03 | Technology In Practice I | 3 | 0 | 3 | - | Wajib |
| 2 | MWS01 | Bahasa Inggris I | 2 | 0 | 2 | - | Wajib |
| 3 | MDU01 | Kalkulus | 4 | 0 | 4 | - | Wajib |
| 4 | MDU02 | Fisika Dasar | 2 | 0 | 2 | - | Wajib |
| 5 | MUP01 | Algoritma dan Pemrograman I | 2 | 1 | 3 | - | Wajib |
| 6 | MUP05 | Arsitektur dan Organisasi Komputer | 3 | 0 | 3 | - | Wajib |
| 7 | MUP24 | Teknik Digital | 2 | 1 | 3 | - | Wajib |
| Total | | | 18 | 2 | 20 | | |

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| Semester III | | | | | | | |
| 1 | MWS05 | Technology In Practice III | 2 | 0 | 2 | Technology In Practice II | Wajib |
| 2 | MUP03 | Pemrograman Berorientasi Obyek | 3 | 1 | 4 | Algoritma dan Pemrograman II | Wajib |
| 3 | MUP07 | Struktur Data | 3 | 0 | 3 | Komputasi Numerik | Wajib |
| 4 | MUP10 | Mikrokontroler | 2 | 2 | 4 | Perancangan Sistem Digital | Wajib |
| 5 | MUP14 | Jaringan Komputer I | 3 | 0 | 3 | Sistem Operasi | Wajib |
| 6 | MUP11 | Sensor dan Aktuator | 2 | 1 | 3 | Elektronika | Wajib |
| 7 | MDU03 | Statistik dan Probabilitas | 3 | 0 | 3 | - | Wajib |
| Total | | | 18 | 4 | 22 | | |

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| Semester V | | | | | | | |
| 1 | MUP23 | Rekayasa Perangkat Lunak | 3 | 0 | 3 | Pemrograman Web | Wajib |
| 2 | MKU03 | Pendidikan Kewarganegaraan | 3 | 0 | 3 | - | Wajib |
| 3 | MUP18 | Interaksi Manusia dan Komputer | 3 | 0 | 3 | Algoritma dan Pemrograman I | Wajib |
| 4 | MTP04 | Jaringan Saraf Tiruan | 3 | 0 | 3 | Kecerdasan Buatan | Wajib |
| 5 | MUP19 | Model dan Simulasi | 3 | 0 | 3 | Algoritma dan Pemrograman I | Wajib |
| 6 | - | Mata Kuliah Peminatan Khusus I | - | - | - | - | Pilihan Wajib |
| 7 | - | Mata Kuliah Peminatan Khusus II | - | - | - | - | Pilihan Wajib |
| Total | | | 15 | 0 | 15 | | |

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| Semester VII | | | | | | | |
| 1 | MTP07 | KKN | 3 | 0 | 3 | Menempuh 110 SKS | Wajib |
| 2 | MUP21 | Metode Penelitian Ilmiah | 3 | 0 | 3 | Bahasa Indonesia | Wajib |
| 3 | MTP10 | Praktek Kerja Lapangan | 3 | 0 | 3 | Menempuh 110 SKS | Wajib |
| 4 | MKU04 | Pendidikan Agama | 3 | 0 | 3 | - | Wajib |
| 5 | - | Mata Kuliah Peminatan Khusus V | - | - | - | - | Pilihan Wajib |
| 6 | - | Pilihan Umum | - | - | - | - | Pilihan |
| Total | | | 12 | 0 | 12 | | |

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| Mata Kuliah Peminatan Khusus Semester V | | | | | | | |
| Konsentrasi Otomasi Industri dan Robotika | | | | | | | |
| 1 | MPK01 | Sistem Embedded * | 2 | 1 | 3 | Mikrokontroler | Pilihan Wajib |
| 2 | MPK02 | Mekatronika * | 2 | 1 | 3 | Mikrokontroler | Pilihan Wajib |
| Konsentrasi Jaringan Komputer | | | | | | | |
| 3 | MPK03 | Jaringan Nirkabel ** | 2 | 1 | 3 | Jaringan Komputer II | Pilihan Wajib |
| 4 | MPK04 | Komunikasi Data ** | 2 | 1 | 3 | Jaringan Komputer II | Pilihan Wajib |
| Konsentrasi Teknologi Mobile | | | | | | | |
| 5 | MPK05 | Mobile App Development *** | 2 | 1 | 3 | Pemrograman Berorientasi Obyek | Pilihan Wajib |
| 6 | MPK06 | Mobile Responsive Web Design *** | 2 | 1 | 3 | Pemrograman Berorientasi Obyek | Pilihan Wajib |

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| Mata Kuliah Peminatan Khusus Semester VII | | | | | | | |
| Konsentrasi Otomasi Industri dan Robotika | | | | | | | |
| 1 | MPK13 | Robot Vision * | 2 | 1 | 3 | Robotika | Pilihan Wajib |
| Konsentrasi Jaringan Komputer | | | | | | | |
| 2 | MPK14 | Proyek Jaringan ** | 2 | 1 | 3 | Keamanan Jaringan | Pilihan Wajib |
| Konsentrasi Teknologi Mobile | | | | | | | |
| 3 | MPK15 | Proyek Mobile Apps *** | 2 | 1 | 3 | Mobile Data Security | Pilihan Wajib |

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| Semester II | | | | | | | |
| 1 | MWS04 | Technology In Practice II | 2 | 0 | 2 | Technology In Practice I | Wajib |
| 2 | MWS02 | Bahasa Inggris II | 3 | 0 | 3 | Bahasa Inggris I | Wajib |
| 3 | MUP02 | Algoritma dan Pemrograman II | 2 | 1 | 3 | Algoritma dan Pemrograman I | Wajib |
| 4 | MUP08 | Elektronika | 2 | 2 | 4 | Fisika Dasar | Wajib |
| 5 | MUP09 | Perancangan Sistem Digital | 2 | 2 | 4 | Arsitektur dan Organisasi Komputer | Wajib |
| 6 | MDU04 | Komputasi Numerik | 3 | 0 | 3 | Kalkulus | Wajib |
| 7 | MUP06 | Sistem Operasi | 3 | 0 | 3 | - | Wajib |
| Total | | | 17 | 5 | 22 | | |

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| Semester IV | | | | | | | |
| 1 | MKU02 | Pancasila | 3 | 0 | 3 | - | Wajib |
| 2 | MTP03 | Kecerdasan Buatan | 3 | 0 | 3 | Struktur Data | Wajib |
| 3 | MUP04 | Pemrograman Web | 2 | 1 | 3 | Algoritma dan Pemrograman I | Wajib |
| 4 | MUP12 | Pengolahan Citra Digital | 2 | 1 | 3 | Algoritma dan Pemrograman II | Wajib |
| 5 | MUP15 | Jaringan Komputer II | 2 | 1 | 3 | Jaringan Komputer I | Wajib |
| 6 | MUP17 | Sistem Database | 3 | 0 | 3 | - | Wajib |
| 7 | MUP22 | Personality Development | 2 | 0 | 2 | - | Wajib |
| Total | | | 17 | 3 | 20 | | |

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| Semester VI | | | | | | | |
| 1 | MKU01 | Bahasa Indonesia | 3 | 0 | 3 | - | Wajib |
| 2 | MWS06 | Pengembangan Karir | 2 | 0 | 2 | - | Wajib |
| 3 | MTP08 | K3 dan Standarisasi | 3 | 0 | 3 | - | Wajib |
| 4 | MTP06 | Project IOT (Internet Of Things) | 2 | 1 | 3 | Mikrokontroler | Wajib |
| 5 | MTP11 | Machine Learning | 3 | 0 | 3 | Jaringan Saraf Tiruan | Wajib |
| 6 | - | Mata Kuliah Peminatan Khusus III | - | - | - | - | Pilihan Wajib |
| 7 | - | Mata Kuliah Peminatan Khusus IV | - | - | - | - | Pilihan Wajib |
| Total | | | 13 | 1 | 14 | | |

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| Semester VIII | | | | | | | |
| 1 | MTP09 | Tugas Akhir | 4 | 0 | 4 | Menempuh 140 SKS | Wajib |
| 2 | - | Pilihan Umum | - | - | - | - | Pilihan |
| Total | | | 4 | 0 | 4 | | |
| Total SKS | | | | | | 129 | |

Keterangan :
 Dalam Kurikulum terdiri dari 3 Konsentrasi:
 tanda (*) khusus diambil Otomasi Industri dan Robotika
 tanda (**) khusus diambil Jaringan Komputer
 tanda (***) khusus diambil Teknologi Mobile
 Jumlah SKS Iulus = 144 SKS terbagi menjadi:
 129 SKS Mata Kuliah Wajib ditempuh semua konsentrasi
 15 SKS Mata Kuliah Peminatan Khusus (Konsentrasi)
 Mata Kuliah Pilihan Umum total 8 SKS

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| Mata Kuliah Peminatan Khusus Semester VI | | | | | | | |
| Konsentrasi Otomasi Industri dan Robotika | | | | | | | |
| 1 | MPK07 | Robotika * | 2 | 1 | 3 | Mekatronika | Pilihan Wajib |
| 2 | MPK08 | PLC * | 2 | 1 | 3 | Mekatronika | Pilihan Wajib |
| Konsentrasi Jaringan Komputer | | | | | | | |
| 3 | MPK09 | Administrasi Jaringan ** | 2 | 1 | 3 | Komunikasi Data | Pilihan Wajib |
| 4 | MPK10 | Keamanan Jaringan ** | 2 | 1 | 3 | Jaringan Nirkabel | Pilihan Wajib |
| Konsentrasi Teknologi Mobile | | | | | | | |
| 5 | MPK11 | Implementasi Mobile Framework *** | 2 | 1 | 3 | Mobile App Development | Pilihan Wajib |
| 6 | MPK12 | Mobile Data Security *** | 2 | 1 | 3 | Mobile Responsive Web Design | Pilihan Wajib |

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| Mata Kuliah Pilihan Umum | | | | | | | |
| 1 | MPU01 | Expert System | 2 | 0 | 2 | - | Pilihan |
| 2 | MPU02 | Data Mining | 2 | 0 | 2 | - | Pilihan |
| 3 | MPU03 | Augmented Reality | 2 | 0 | 2 | - | Pilihan |
| 4 | MPU04 | Modern Web Programming | 2 | 0 | 2 | - | Pilihan |
| Total | | | 8 | 0 | 8 | | |