**KURIKULUM 2017 BERBASIS SNPT (SN-DIKITI) revisi**

**PROGRAM STUDI TEKNIK INFORMATIKA S1**

**Semester 1**

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | UXN11034  UXN11076  UXN11118  UXN11160  UXN11318 | **Agama** (Islam, Kristen, Katolik, Budha,  Hindu) | 2 |  |  |  |
| 2 | UXN11194 | Pendidikan Pancasila | 2 |  |  |  |
| 3 | UXN11239 | Bahasa Indonesia | 2 |  |  |  |
| 4 | UXN11277 | PKN | 2 |  |  |  |
| 5 | FTS11023 | Matematika Dasar | 2 |  |  |  |
| 6 | FTS11013 | Fisika Dasar | 2 |  |  |  |
| 7 | FTS11033 | Pengantar Teknik | 2 |  |  |  |
| 8 | TIS11013 | Sistem dan Teknologi Informasi | 3 |  |  |  |
| 9 | TIS11023 | Dasar Pemrograman T/P | 4 |  |  |  |
|  |  | **Jumlah** | **21** |  |  |  |

**Semester 2**

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | TIS12033 | Arsitektur & Organisasi Komputer | 3 |  |  |  |
| 2 | TIS12043 | Bahasa Inggris | 2 |  |  |  |
| 3 | TIS12053 | Algoritma dan Struktur Data T/P | 4 | TIS11023 | Dasar Pemrograman | C |
| 4 | TIS12063 | Matematika Diskrit | 4 |  |  |  |
| 5 | TIS12073 | Sistem Multimedia | 3 |  |  |  |
| 6 | TIS12083 | Interaksi Manusia dan Komputer | 2 |  |  |  |
| 7 | TIS12093 | Sistem Digital T/P | 3 | TIS11023 | Dasar Pemrograman | C |
|  |  | **Jumlah** | **21** |  |  |  |

**Semester 3**

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | TIS21103 | Sistem Operasi | 3 | TIS12033 | Arsitektur & Organisasi Komputer | C |
| 2 | TIS21113 | Aljabar Linier dan Matrik | 3 | FTS11023 | Matematika Dasar | C |
| 3 | TIS21123 | Dasar Pengembangan Perangkat Lunak | 3 |  |  |  |
| 4 | TIS21133 | Komputer dan Masyarakat | 2 |  |  |  |
| 5 | TIS21143 | Pemrograman Berorientasi Objek T/P | 4 | TIS11023 | Dasar Pemrograman | C |
| 6 | TIS21153 | Teori Bahasa Outomata | 3 |  |  |  |
| 7 | TIS21163 | Basis Data | 3 | TIS12053 | Algoritma & Struktur Data | C |
|  |  | **Jumlah** | **21** |  |  |  |

**Semester 4**

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | TIS22173 | Probabilitas Dan Statistik | 3 | FTS11023 | Matematika Dasar | C |
| 2 | TIS22183 | Jaringan Komputer T/P | 4 |  |  |  |
| 3 | TIS22193 | Komputer Grafis | 3 | TIS21113 | Aljabar Linier dan Matrik | C |
| 4 | TIS22203 | Desain & Pemrograman Web T/P | 4 | TIS11023 | Dasar Pemrograman | C |
| 5 | TIS22213 | Pengembangan Berbasis Platform | 3 | TIS21143 | Pemrograman Berbasis Objek | C |
| 6 | TIS22223 | Basis Data Lanjut T/P | 4 | TIS21163 | Basis Data | C |
|  |  | **Jumlah** | **21** |  |  |  |

**Semester 5**

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | TIS31233 | Kecerdasan Buatan T/P | 4 |  |  |  |
| 2 | TIS31243 | Pengolahan Citra Digital T/P | 4 | TIS21113 | Aljabar Linier dan Matrik | C |
| 3 | TIS31253 | Manajemen Proyek | 2 |  |  |  |
| 4 | TIS31263 | Pemrograman Jaringan T/P | 4 | TIS22183 | Jaringan Komputer | C |
| 5 | TIS31273 | Simulasi dan Pemodelan | 3 |  |  |  |
| 6 |  | Keahlian I | 4 |  | Lihat daftar Mata Kuliah Keahlian |  |
|  |  | **Jumlah** | **21** |  |  |  |

**Semester 6**

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | FTS32053 | Metodologi Penelitian | 2 |  |  |  |
| 2 | TIS32453 | Kerja Praktek | 2 |  |  |  |
| 3 | TIS32283 | Keamanan Sistem Komputer | 3 | TIS12053 | Algoritma dan Struktur Data | C |
| 4 | TIS32293 | Etika Profesi | 3 |  |  |  |
| 5 |  | Keahlian II | 4 |  | Lihat daftar Mata Kuliah Keahlian |  |
| 6 |  | Keahlian III | 4 |  | Lihat daftar Mata Kuliah Keahlian |  |
| 7 |  |  |  |  |  |  |
|  |  | **Jumlah** | **18** |  |  |  |

**Semester 7**

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | FTS41043 | Kewirausahaan | 2 |  |  |  |
| 2 | UXN47036 | Kuliah Kerja Nyata | 4 |  |  |  |
| 3 | TIS41463 | Seminar Proposal | 1 |  | <=100 |  |
| 3 |  | Keahlian IV | 4 |  | Lihat daftar Mata Kuliah Keahlian |  |
| 4 |  | Keahlian V | 4 |  | Lihat daftar Mata Kuliah Keahlian |  |
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|  |  | **Jumlah** | **15** |  |  |  |

**Semester 8**

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| **No** | **Kode** |  | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | TIS42473 | Tugas Akhir |  | 6 |  | <=126 |  |
|  |  |  | **Jumlah** | **6** |  |  |  |

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| **TOTAL SKS JENJANG S1** | **144** |

1. **Komputasi Cerdas dan Visualisasi**

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | TIS31303 | Pengenalan Pola | 4 |  |  |  |

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | TIS32313 | Data Mining | 4 | TIS31233 | Kecerdasan Buatan | C |
| 2 | TIS32323 | Mixed Reality (AR dan VR) | 4 |  |  |  |

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | TIS41333 | Informatika Robotika | 4 |  |  |  |
| 2 | TIS41343 | Simulasi dan Game Komputer | 4 |  |  |  |

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | TIS31353 | Animasi & Pemodelan 3D | 4 | TIS22193 | Komputer Grafis | C |

1. **Rekayasa Perangkat Lunak**

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | TIS32363 | Pemrograman Perangkat Lunak Mobile | 4 | TIS21123 | Dasar Pengembangan Perangkat Lunak | C |
| 2 | TIS32373 | Audit Teknologi Informasi | 4 | TIS21123 | Dasar Pengembangan Perangkat Lunak | C |

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | TIS41383 | Teknik Pengujian Perangkat Lunak | 4 | TIS21123 | Dasar Pengembangan Perangkat Lunak | C |
| 2 | TIS41393 | Rekayasa Web | 4 | TIS22203 | Desain dan Pemrograman Web | C |

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | TIS31403 | Jaringan Sensor Nirkabel | 4 | TIS22183 | Jaringan Komputer | C |

1. **Komputasi Berbasis Jaringan**

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | TIS32413 | Teknologi Antar Jaringan | 4 | TIS22183 | Jaringan Komputer | C |
| 3 | TIS32423 | Perancangan dan Manajemen Jaringan | 4 | TIS22183 | Jaringan Komputer | C |

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| **No** | **Kode** | **Mata Kuliah** | **SKS** |  | **Prasyarat** |  |
| **Kode** | **MK Prasyarat** | **Nilai** |
| 1 | TIS41433 | Digital Forensic | 4 | TIS22183 | Jaringan Komputer | C |
| 2 | TIS41443 | Sistem Administrasi Jaringan | 4 | TIS22183 | Jaringan Komputer | C |

Koordinator Program Studi Teknik Informatika

Dr. Feri Candra, MT

NIP. 197404282002121003