



Data Kurikulum Program Studi

Tahun Kurikulum : 2023 ▼

Semester 1		
Kode	Mata Kuliah / Inggris	SKS
ET234103	Algoritma dan Teknik Pemrograman <i>Algorithms and Programming Techniques</i>	4
ET234102	Arsitektur dan Organisasi Komputer <i>Computer Organizations and Architecture</i>	3
SF234204	Fisika Dasar <i>Basic Physics</i>	3
ET234104	Hukum dan Etika Teknologi Informasi <i>IT Law and Ethics</i>	2
SM234101	Kalkulus 1 <i>Calculus 1</i>	3
EE234101	Pengantar Teknologi Elektro dan Informatika Cerdas <i>Introduction to Intelligence Electrical and Informatics</i>	2
ET234101	Statistika dan Probabilitas <i>Statistics and Probability</i>	2
Total SKS		19

Semester 2		
Kode	Mata Kuliah / Inggris	SKS
ET234202	Arsitektur Enterprise <i>Enterprise Architecture</i>	3
SM234201	Kalkulus 2 <i>Calculus 2</i>	3
ET234204	Sistem Basis Data <i>Database System</i>	4
ET234201	Sistem Operasi <i>Operating System</i>	4
ET234203	Struktur Data dan Pemrograman Berorientasi Objek <i>Data Structure and Object-Oriented Programming</i>	3
Total SKS		17

Semester 3		
Kode	Mata Kuliah / Inggris	SKS
ET234301	Ethical Hacking dan Uji Keamanan Siber <i>Ethical Hacking and Penetration Testing</i>	4
ET234303	Internet of Things <i>Internet of Things</i>	3
ET234302	Keamanan Jaringan Komputer <i>Network Security</i>	3
ET234306	Komunikasi Data dan Jaringan Komputer <i>Data Communication and Computer Network</i>	4
ET234304	Komunikasi Profesional <i>Professional Communication</i>	2
ET234305	Pemrograman Web <i>Web Programming</i>	4
Total SKS		20

Semester 4		
Kode	Mata Kuliah / Inggris	SKS
ET234404	Big Data dan Data Lakehouse <i>Big Data and Data Lakehouse</i>	3
ET234406	Integrasi Sistem <i>System Integration</i>	3
ET234405	Kecerdasan Artifisial dan Machine Learning <i>Artificial Intelligence and Machine Learning</i>	4
ET234401	Manajemen Insiden Keamanan Siber <i>Cybersecurity Incident Management</i>	3
ET234402	Security Operations Center <i>Security Operations Center</i>	3
ET234403	Teknologi Komputasi Awan <i>Cloud Computing Technology</i>	4
Total SKS		20

Semester 5		
Kode	Mata Kuliah / Inggris	SKS
ET234502	Keamanan Web dan Aplikasi <i>Web and Application Security</i>	3
ET234501	Kriptografi (Pengayaan) <i>Cryptography (Enrichment)</i>	3
ET234506	Pemrograman Mobile <i>Mobile Programming</i>	3
ET234505	Strategi Optimasi Komputasi Awan <i>Cloud Computing Optimization Strategy</i>	3
ET234503	Tata Kelola Teknologi Informasi <i>IT Governance</i>	3
ET234504	Teknologi Smartcity <i>Smart City Technology</i>	4
Total SKS		19

Semester 6		
Kode	Mata Kuliah / Inggris	SKS
UG234905	Agama Buddha <i>Buddhis Studies</i>	2
UG234904	Agama Hindu <i>Hindu Studies</i>	2
UG234901	Agama Islam <i>Islamic Studies</i>	2
UG234903	Agama Katolik <i>Catholic Studies</i>	2
UG234906	Agama Khonghucu <i>Khonghucu Studies</i>	2
UG234902	Agama Kristen <i>Christian Studies</i>	2
ET234615	Desain dan Manajemen Jaringan Komputer (Pengayaan) <i>Computer Network Design and Management (Enrichment)</i>	3
ET234601	Interaksi Manusia dan Komputer <i>Human-Computer Interaction (HCI)</i>	3
ET234616	Jaringan Nirkabel <i>Wireless Network</i>	3
UG234913	Kewarganegaraan <i>Civics</i>	2
UG234917	Kuliah Kerja Nyata Tematik (Pengayaan) <i>Community Outreach Program (Enrichment)</i>	3
ET234614	Operasional Pengembang <i>Development and Operations</i>	3
ET234602	Pengembangan Sistem dan Teknologi Informasi (Capstone Project) (Pengayaan) <i>IT and System Development (Capstone Project) (Enrichment)</i>	3
ET234612	Teknologi Multimedia <i>Multimedia Technology</i>	3
Total SKS		35

Semester 7		
Kode	Mata Kuliah / Inggris	SKS
UG234916	Aplikasi Teknologi & Transformasi Digital <i>Applied Technology and Digital Transformation</i>	3
ET234717	Audit Keamanan Informasi <i>Cybersecurity Audit</i>	3
UG234912	Bahasa Indonesia <i>Indonesian</i>	2
UG234914	Bahasa Inggris <i>English</i>	2
ET234711	Business Intelligence <i>Business Intelligence</i>	3
ET234712	Forensik Digital <i>Digital Forensics</i>	3
ET234701	Kerja Praktik <i>Practical Work</i>	2
UG234915	Kewirausahaan Berbasis Teknologi <i>Technopreneurship</i>	2
ET234713	Malware dan Cyber Threat Intelligence <i>Malware and Cyber Threat Intelligence</i>	3
ET234714	Manajemen Keamanan Siber (Pengayaan) <i>Cybersecurity Management (Enrichment)</i>	3
ET234703	Manajemen Proyek <i>Project Management</i>	3
UG234911	Pancasila <i>Pancasila</i>	2
ET234702	Penulisan Ilmiah <i>Scientific Writing</i>	2
ET234716	Privasi/Perlindungan Data dan Ergonomi pada Cybersecurity (Pengayaan) <i>Privacy/Data Protection and Human Factors in Cybersecurity (Enrichment)</i>	3
ET234715	Quantum Computing untuk Cybersecurity <i>Quantum Computing for Cybersecurity</i>	3
ET234718	Skalabilitas dan Reliabilitas Sistem <i>System Reliability and Scalability</i>	3
Total SKS		42

Semester 8		
Kode	Mata Kuliah / Inggris	SKS
ET234816	Keamanan Sistem Cyber-Physical dan Kota Cerdas <i>Smart City and Cyber-Physical Systems Security</i>	3
ET234821	Magang Bidang Keamanan Siber <i>Cybersecurity Internship</i>	2
ET234823	Magang Bidang Kreasi Digital <i>Digital Creative Internship</i>	2
ET234822	Magang Bidang Pengembangan Aplikasi <i>Applications Development Internship</i>	2
ET234815	Otomasi Sistem <i>System Automation</i>	3
ET234811	Pengadaan IT <i>IT Procurement</i>	3
ET234812	Penjaminan Kualitas TI <i>IT Quality Assurance</i>	3
ET234814	Sistem Cerdas <i>Smart System</i>	3
ET234813	Teknologi Blockchain <i>Blockchain Technology</i>	3
ET234801	Tugas Akhir <i>Final Project</i>	6
Total SKS		30