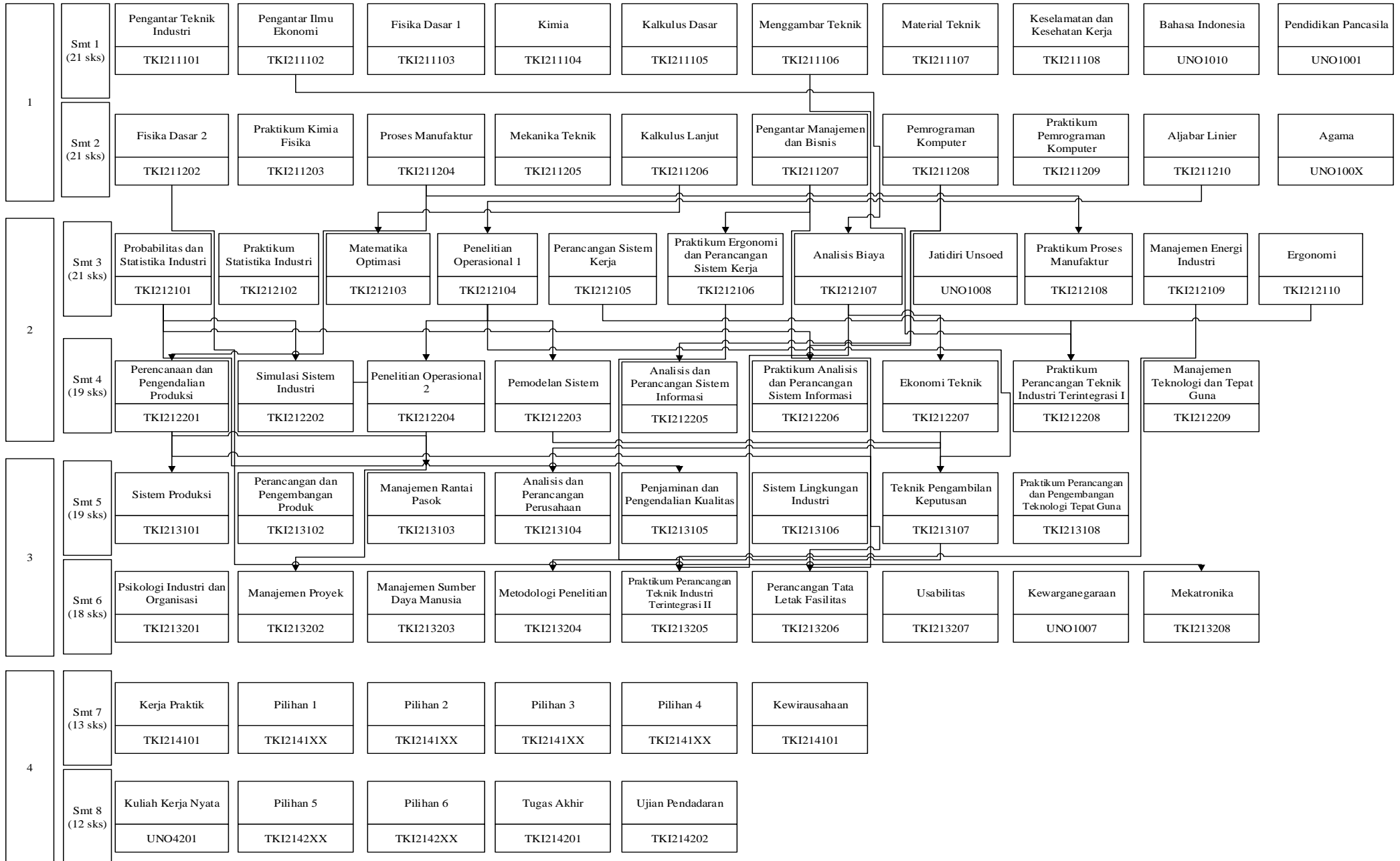


A. Peta Kurikulum



Gambar 1. Peta Kurikulum

B. Struktur Kurikulum

1. Mata Kuliah Wajib

Semester	Kode MK	Mata Kuliah	SKS	Mata Kuliah Prasyarat
1	UNO1001	Pendidikan Pancasila (<i>State Ideology</i>)	2	
	UNO1010	Bahasa Indonesia (<i>Indonesian Language</i>)	2	
	TKI211101	Pengantar Teknik Industri (<i>Introduction of Industrial Engineering</i>)	2	
	TKI211102	Pengantar Ilmu Ekonomi (<i>Introduction of Economics</i>)	2	
	TKI211103	Fisika Dasar 1 (<i>Fundamental Physics 1</i>)	2	
	TKI211104	Kimia (<i>Chemistry</i>)	2	
	TKI211105	Kalkulus Dasar (<i>Basic Calculus</i>)	2	
	TKI211106	Menggambar Teknik (<i>Technical Drawing</i>)	3	
	TKI211107	Material Teknik (<i>Engineering Material</i>)	2	
	TKI211108	Keselamatan dan Kesehatan Kerja (<i>Occupational Health and Safety</i>)	2	
Jumlah			21	
2	UNO1002	Agama Islam (<i>Islam Religion</i>)	2	
	UNO1003	Agama Katholik (<i>Catholic Religion</i>)	2	
	UNO1004	Agama Kristen Protestan (<i>Protestant Christian Religion</i>)	2	
	UNO1005	Agama Budha (<i>Budha Religion</i>)	2	
	UNO1006	Agama Hindu (<i>Hindu Religion</i>)	2	
	UNO1009	Agama Konghuchu (<i>Konghuchu Religion</i>)	2	
	UNO1011	Pendidikan Kepercayaan Kepada Tuhan Yang Maha Esa (<i>Education to Belief Towards God</i>)	2	
	TKI211201	Bahasa Inggris (<i>English</i>)	2	
	TKI211202	Fisika Dasar 2 (<i>Fundamental Physics 2</i>)	2	
	TKI211203	Praktikum Kimia Fisika (<i>Physics Chemistry Laboratory</i>)	1	
	TKI211204	Proses Manufaktur (<i>Manufacturing Process</i>)	3	
	TKI211205	Mekanika Teknik (<i>Engineering Mechanics</i>)	2	
	TKI211206	Kalkulus Lanjut (<i>Advanced Calculus</i>)	2	
TKI211207	Pengantar Manajemen dan Bisnis (<i>Introduction of Management and Business</i>)	2		

	TKI211208	Pemrograman Komputer (<i>Computer Programming</i>)	2	
	TKI211209	Praktikum Pemrograman Komputer (<i>Computer Programming Laboratory</i>)	1	
	TKI211210	Aljabar Linier (<i>Linear Algebra</i>)	2	
Jumlah			21	
3	TKI212101	Probabilitas dan Statistika Industri (<i>Probability and Industrial Statistics</i>)	3	
	TKI212102	Praktikum Statistika Industri (<i>Industrial Statistics Laboratory</i>)	1	
	TKI212103	Matematika Optimasi (<i>Mathematics of Optimization</i>)	2	TKI211206
	TKI212104	Penelitian Operasional 1 (<i>Operations Research 1</i>)	3	
	TKI212105	Perancangan Sistem Kerja (<i>Working Systems Design</i>)	2	
	TKI212106	Praktikum Ergonomi dan Perancangan Sistem Kerja (<i>Ergonomics and Working Systems Laboratory</i>)	1	
	TKI212107	Analisis Biaya (<i>Cost Analysis</i>)	2	TKI211102
	UNO1008	Jatidiri Unsoed (<i>Unsoed Identity</i>)	2	
	TKI212108	Praktikum Proses Manufaktur (<i>Manufacturing Process Laboratory</i>)	1	TKI211204
	TKI212109	Manajemen Energi Industri (<i>Energy Management in Industry</i>)	2	TKI211202
TKI212110	Ergonomi (<i>Ergonomics</i>)	2		
Jumlah			21	
4	TKI212201	Perencanaan dan Pengendalian Produksi (<i>Production Planning and Control</i>)	3	TKI211204
	TKI212202	Simulasi Sistem Industri (<i>Industrial Systems Simulation</i>)	3	TKI212101
	TKI212203	Pemodelan Sistem (<i>System Modeling</i>)	2	TKI212104
	TKI212204	Penelitian Operasional 2 (<i>Operations Research 2</i>)	3	TKI212104
	TKI212205	Analisis dan Perancangan Sistem Informasi (<i>Information System Design and Analysis</i>)	2	TKI211208
	TKI212206	Praktikum Analisis dan Perancangan Sistem Informasi (<i>Information System Design and Analysis Laboratory</i>)	1	TKI211208
	TKI212207	Ekonomi Teknik (<i>Economics Engineering</i>)	2	
	TKI212208	Praktikum Perancangan Teknik Industri Terintegrasi I (<i>Design of Integrated Industrial Engineering Laboratory I</i>)	1	TKI211106, TKI212110, TKI212105
	TKI212209	Manajemen Teknologi dan Tepat Guna (<i>Appropriate Technology and Management</i>)	2	

Jumlah			19	
5	TKI213101	Sistem Produksi (<i>Production System</i>)	3	TKI212201
	TKI213102	Perancangan dan Pengembangan Produk (<i>Product Design and Development</i>)	2	TKI211106
	TKI213103	Manajemen Rantai Pasok (<i>Supply Chain Management</i>)	2	TKI212201
	TKI213104	Analisis dan Perancangan Perusahaan (<i>Enterprise Design and Analysis</i>)	3	TKI212207
	TKI213105	Penjaminan dan Pengendalian Kualitas (<i>Quality Control and Assurance</i>)	3	TKI212101
	TKI213106	Sistem Lingkungan Industri (<i>Industrial Environment System</i>)	2	
	TKI213107	Teknik Pengambilan Keputusan (<i>Decision Support Engineering</i>)	3	TKI212203, TKI212204
	TKI213108	Praktikum Perancangan dan Pengembangan Teknologi Tepat Guna (<i>Appropriate Technology Design and Development Laboratory</i>)	1	TKI212110, TKI212209, TKI211106
Jumlah			19	
6	TKI213201	Psikologi Industri dan Organisasi (<i>Industrial Psychology and Organization</i>)	2	
	TKI213202	Manajemen Proyek (<i>Project Management</i>)	2	TKI212204
	TKI213203	Manajemen Sumber Daya Manusia (<i>Human Resource Management</i>)	2	
	TKI213204	Metodologi Penelitian (<i>Research Methodology</i>)	2	TKI213107
	TKI213205	Praktikum Perancangan Teknik Industri Terintegrasi II (<i>Design of Integrated Industrial Engineering Laboratory II</i>)	1	TKI212208, TKI212106, TKI212107, TKI212109
	TKI213206	Perancangan Tata Letak Fasilitas (<i>Facility Layout design</i>)	3	TKI212105, TKI212110, TKI212201
	TKI213207	Usabilitas (<i>Usability</i>)	2	TKI212110, TKI212105
	UNO1007	Kewarganegaraan (<i>Civic Education</i>)	2	
	TKI213208	Mekatronika (<i>Mechatronics</i>)	2	TKI211202
Jumlah			18	
7	TKI214101	Kerja Praktik (<i>Field Study</i>)	3	
	TKI214102	Kewirausahaan (<i>Entrepreneurship</i>)	2	
	TKI2141XX	Pilihan 1 (<i>Elective 1</i>)	2	
	TKI2141XX	Pilihan 2 (<i>Elective 2</i>)	2	
	TKI2141XX	Pilihan 3 (<i>Elective 3</i>)	2	
	TKI2141XX	Pilihan 4 (<i>Elective 4</i>)	2	

Jumlah			13	
8	UNO4201	Kuliah Kerja Nyata (<i>Community Service Program</i>)	3	
	TKI2142XX	Pilihan 5 (<i>Elective 5</i>)	2	
	TKI2142XX	Pilihan 6 (<i>Elective 6</i>)	2	
	TKI214201	Tugas Akhir (<i>Undergraduate Thesis</i>)	4	TKI214101
	TKI214202	Ujian Pendarasan (<i>Final Exam</i>)	1	
Jumlah			12	
Jumlah SKS			144	
MATA KULIAH PILIHAN				
Semester	Kode	Nama MK	SKS	Prasyarat
7	TKI214121	Manajemen Logistik (<i>Logistic Management</i>)	2	TKI213103
	TKI214122	Metaheuristik (<i>Metaheuristics</i>)	2	TKI212103
	TKI214123	Sistem Dinamik (<i>Dynamic System</i>)	2	TKI212202
	TKI214124	Big Data (<i>Big Data</i>)	2	TKI212101
	TKI214125	Sistem Manufaktur Terintegrasi (<i>Integrated Manufacture System</i>)	2	TKI211204
	TKI214126	Teknologi Manufaktur Lapisan (<i>Layer Manufacture Technology</i>)	2	TKI211204
	TKI214127	Lean Six Sigma (<i>Lean Six Sigma</i>)	2	TKI213101, TKI213105
	TKI214128	Sistem Pemeliharaan (<i>Maintenance System</i>)	2	TKI212101
	TKI214129	Rekayasa Kualitas (<i>Quality Engineering</i>)	2	TKI213105
	TKI214130	Ergonomi Lingkungan (<i>Environment Ergonomics</i>)	2	TKI212110
	TKI214131	User Experience Design (<i>User Experience Design (UX)</i>)	2	TKI212110
TKI214132	Human Machine Interaction and Human Error (<i>Human Machine Interaction and Human Error</i>)	2	TKI212110	
8	TKI214221	Manajemen Pemasaran (<i>Marketing Management</i>)	2	TKI211102
	TKI214222	Enterprise Resource Planning (<i>Enterprise Resource Planning</i>)	2	TKI213103, TKI212205
	TKI214223	Manajemen Pengadaan (<i>Procurement Management</i>)	2	TKI213103
	TKI214224	Produktivitas Manufaktur (<i>Manufacture Productivity</i>)	2	TKI211204
	TKI214225	Manajemen Risiko (<i>Risk Management</i>)	2	TKI213107
	TKI214226	Manajemen Strategik (<i>Strategic Management</i>)	2	TKI213203
	TKI214227	Manufaktur Berkelanjutan (<i>Sustainable Manufacture</i>)	2	TKI213106
	TKI214228	Computer Aided Engineering (<i>Computer Aided Engineering</i>)	2	TKI211106
	TKI214229	CAD/CAM (<i>CAD/CAM</i>)	2	TKI211106
	TKI214230	Disaster Situational Awareness (<i>Disaster Situational Awareness</i>)	2	TKI211108

	TKI214231	Ergonomi Kognitif (<i>Cognitive Ergonomics</i>)	2	TKI212110
	TKI214232	Ergonomi Makro (<i>Macro Ergonomics</i>)	2	TKI212110
	TKI214233	Otomasi Sistem Industri (<i>Industrial System Otomation</i>)	2	TKI213208