

**SUSUNAN MATAKULIAH KURIKULUM 2021 PROGRAM STUDI INFORMATIKA  
UNIVERSITAS MULAWARMAN**

<b>Semester I</b>			
No.	Kode/Code	Nama Matakuliah/Course Name	SKS/ Credit
1	210901603W001	Pendidikan Agama* / <i>Religion*</i>	3
2	210901602W002	Pendidikan Pancasila/ <i>Pancasila</i>	2
3	210901603W003	Ilmu Sosial dan Budaya Dasar/ <i>Basic of Social and Cultural Science</i>	3
4	210901603W004	Kalkulus / <i>Calculus</i>	3
5	210901603W005	Algoritma dan Pemrograman Dasar* / <i>Basic of Algorithm and Programming</i>	3
6	210901603W006	Logika Informatika / <i>Logic of Informatics</i>	3
7	210901602W007	Pengantar Teknologi Informasi / <i>Introduction to Information Technology</i>	2
8	210901602W008	Bahasa Inggris 1 / <i>English 1</i>	2
9	210901603W009	Fisika Dasar / <i>Basic of Physics</i>	3
<b>Jumlah</b>			24

<b>Semester II</b>			
No.	Kode/Code	Nama Matakuliah/Course Name	SKS/ Credit
1	210901603W010	Algoritma dan Pemrograman Lanjut* / <i>Advanced Algorithm and Programming</i>	3
2	210901603W011	Matematika Diskrit / <i>Discrete Mathematics</i>	3
3	210901603W012	Sistem Digital / <i>Digital System</i>	3
4	210901603W013	Jaringan Komputer* / <i>Computer Network</i>	3
5	210901603W014	Metode Numerik / <i>Numeric Method</i>	3
6	210901603W015	Bahasa Indonesia / <i>Indonesian Language</i>	2
7	MU0000602W003	Pendidikan Kewarganegaraan / <i>Citizenship</i>	2
<b>Jumlah</b>			19

<b>Semester III</b>			
No.	Kode/Code	Nama Matakuliah/Course Name	SKS/ Credit
1	210901603W016	Organisasi dan Arsitektur Komputer / <i>Computer Organization and Architecture</i>	3
2	210901603W017	Keamanan Komputer / <i>Computer Security</i>	3
3	210901603W018	Pemrograman Web* / <i>Web Programming</i>	3
4	210901603W019	Aljabar Linear / <i>Linear Algebra</i>	3
5	210901603W020	Basis Data* / <i>Database</i>	3
6	210901603W021	Probabilitas dan Statistika* / <i>Probability and Statistics</i>	3
7	210901603W022	Struktur Data / <i>Data Structure</i>	3
<b>Jumlah</b>			21

<b>Semester IV</b>			
No.	Kode/Code	Nama Matakuliah/Course Name	SKS/ Credit
1	210901603W023	Sistem Operasi (termasuk SOOS)* / <i>Operating System</i>	3
2	210901603W024	Pemrograman Berorientasi Objek* / <i>Object Oriented Programming</i>	3
3	210901603W026	Rekayasa Perangkat Lunak* (termasuk APSI) / <i>Software Engineering</i>	3
4	210901603W025	Pemrograman Visual* / <i>Visual Programming</i>	3
5	210901603W027	Sistem Terdistribusi / <i>Distributed System</i>	3
6	210901603W028	Komputer dan Masyarakat / <i>Computer and Society</i>	3

7		Pilihan 1	3
8		Pilihan 2	3
Jumlah			24

Semester V			
No.	Kode/Code	Nama Matakuliah/Course Name	SKS/ Credit
1	210901603W029	Jaringan Komputer Lanjut* / <i>Advanced Computer Network</i>	3
2	210901603W030	Teori Bahasa dan Otomata / <i>Theory of Language and Automata</i>	3
3	210901603W031	Grafika Komputer* / <i>Computer Graphics</i>	3
4	210901603W032	Pemrograman Piranti Bergerak* / <i>Mobile Programming</i>	3
5	210901603W033	Kecerdasan Buatan* / <i>Artificial Intelligence</i>	3
6	210901603W034	Etika Profesi IT / <i>Ethics of IT Profession</i>	3
7	210901603W035	Manajemen Proyek TI / <i>IT Project Management</i>	3
8		Pilihan 3	3
Jumlah			24

Semester VI			
No.	Kode/Code	Nama Matakuliah/Course Name	SKS/ Credit
1	210901603W036	Wirausaha Teknologi/ <i>Technopreneur</i>	3
2	210901603W037	Interaksi Manusia dan Komputer / <i>Interaction of Human and Computer</i>	3
3	210901602W038	Bahasa Inggris 2 / <i>English 2</i>	2
4	210901603W039	Metode Penelitian Riset TI / <i>IT Research Methodology</i>	3
5	210901604W040	Kuliah Kerja Nyata / <i>Community Service</i>	4
6		Pilihan 4	3
7		Pilihan 5	3
8		Pilihan 6	3
Jumlah			24

Semester VII			
No.	Kode/Code	Nama Matakuliah/Course Name	SKS/ Credit
1	210901602W041	Praktek Kerja Lapangan / <i>Field Work</i>	2
2	210901602W042	Pra Skripsi / <i>Pre Thesis</i> (Seminar Proposal)	2
Jumlah			4

Semester VIII			
No.	Kode/Code	Nama Matakuliah/Course Name	SKS/ Credit
1	210901604W055	Skripsi / <i>Thesis</i> (Seminar Hasil dan Sidang)	4
Jumlah			4

Matakuliah Pilihan (Peminatan) Semester Ganjil			
No.	Kode/Code	Nama Matakuliah/Course Name	SKS/ Credit
1	210901603P043	Sistem Pendukung Keputusan/ <i>Decision Support System</i>	3
2	210901603P044	Jaringan Syaraf Tiruan / <i>Artificial Neural Network</i>	3

3	210901603P045	Sistem Pakar / <i>Expert System</i>	3
4	210901603P046	Pemrograman Berbasis Kerangka Kerja* / <i>Framework-based Programming</i>	3
5	210901603P047	Pengolahan Citra* / <i>Image Processing</i>	3
6	210901603P048	Sains Data* / <i>Data Science</i>	3
7	210901603P049	Animasi Komputer dan Pemodelan 3D* / <i>Computer Animation and 3D Modelling</i>	3
8	210901603P050	Penelitian Berbasis Studi Tropis / <i>Tropical Studies-Based Research</i>	3
9	210901603P051	Kota Cerdas / <i>Smart City</i>	3
10	210901603P052	Teknologi Nirkabel* / <i>Wireless Technology</i>	3
11	210901603P053	Forensik Digital dan Kejahatan Siber* / <i>Digital Forensic dan Cyber Crime</i>	3
12	210901603P054	Ekonomi Digital, Bisnis Rintisan, Teknologi Sistem Keuangan / <i>Digital Economy, Start up, and Fintech</i>	3
13	210901603P055	Pemrograman Web Lanjut* / <i>Advanced Web Programming</i>	3
14	210901603P056	Komputasi Awan* / <i>Cloud Computing</i>	3
15	210901603P057	Analisis Algoritma / <i>Algorithm Analysis</i>	3
16	210901603P058	Kapita Selekt / <i>Capita Selecta</i>	3

<b>Matakuliah Pilihan (Peminatan) Semester Genap</b>			
<b>No.</b>	<b>Kode/Code</b>	<b>Nama Matakuliah/Course Name</b>	<b>SKS/ Credit</b>
1	210901603P059	Sistem Informasi Geografis* / <i>Geographic Information System</i>	3
2	210901603P060	Robotika* / <i>Robotics</i>	3
3	210901603P061	Penambangan Data / <i>Data Mining</i>	3
4	210901603P062	Teknik Pengembangan Game* / <i>Game Development Techniques</i>	3
5	210901603P063	Pemodelan dan Simulasi / <i>Modelling and Simulation</i>	3
6	210901603P064	Layanan Awan* / <i>Cloud Service</i>	3
7	210901603P065	Virtual and Augmented Reality	3
8	210901603P066	Logika Samar / <i>Fuzzy Logic</i>	3
9	210901603P067	Internet Kebendaan* / <i>Internet of Things</i>	3
10	210901603P068	Teknologi Multimedia* / <i>Multimedia Technology</i>	3
11	210901603P069	Kriptografi (termasuk Steganografi) / <i>Cryptography</i>	3
12	210901603P070	Pengendali Mikro / <i>Microcontroller*</i>	3
13	210901603P071	Visi Komputer / <i>Computer Vision</i>	3
14	210901603P072	Pembelajaran Mesin / <i>Machine Learning</i>	3
15	210901603W073	Basis Data Lanjut* / <i>Advanced Database</i>	3

Tanda \* = Mata kuliah dengan Praktikum

Jumlah SKS matakuliah wajib = 126

Jumlah minimal SKS matakuliah pilihan = 18 (6 matakuliah pilihan)

Jumlah minimal SKS kelulusan sarjana komputer = 144