

**Kurikulum Program Studi Teknik Kimia Program Magister  
Universitas Muhammadiyah Palembang**

No	Kode	Mata Kuliah	SKS	Semester/SKS		
				1	2	3
<b>Mata Kuliah Umum dan Khusus</b>						
1	MWU-101	Al-Islam dan Kemuhammadiyahahan (Al-Islam and Muhammadiyah)	2	2		
2	MWP-101	Filsafat Ilmu dan Metodologi Penelitian (Research Methodology and Philosophy)	1	1		
<b>Mata Kuliah Dasar Keahlian</b>						
3	MWP-102	Termodinamika Lanjut (Advanced Thermodynamics)	3	3		
4	MWP-103	Fenomena Perpindahan Lanjut (Advanced Transport Phenomena)	2	2		
5	MWP-201	Teknik Reaksi Kimia Lanjut (Advanced Chemical Reaction Engineering)	3		3	
<b>Mata Kuliah Keahlian</b>						
6	MWP-202	Proposal Penelitian (Research Proposal)	3		3	
7	MWP-301	Tesis (Thesis)	6			6
<b>Mata Kuliah Keahlian Pilihan</b>						
<b>A. Proses Fisika</b>						
8	MWP-104	Proses Pemisahan Lanjut (Separation Process)	3	3		
9	MWP-105	Analisis dan Evaluasi Reaktor (Reactor Analysis and Evaluation)	3	3		
10	MWP-203	Teknologi Partikel (Particle Technology)	3		3	
11	MWP-204	Integrasi Proses dan Efisiensi Energi (Process Integration and Energy Efficiency)	3		3	
12	MWP-302	Teknologi Pinch (Pinch Technology)	3			3

13	MWP-303	Teknologi Efisiensi Energi Pengeringan (Energy Efficiency Technology for Drying Process)	3			3
<b>B. Proses Biologi</b>						
14	MWP-106	Konversi Termal (Thermal Conversion)	3	3		
No	Kode	Mata Kuliah	SKS	Semester/SKS		
				1	2	3
15	MWP-205	Permodelan Sistem dan Optimasi (System Modeling and Optimization)	3		3	
16	MWP-304	Rekayasa Hidrokarbon Terbarukan (Renewable Hydrocarbon Engineering)	3			3
17	MWP-305	Teknologi Bioproses Lanjut (Advanced Bioprocess Technology)	3			3
<b>C. Proses Kimia</b>						
18	MWP-107	Katalis dan Katalisis (Catalysts and Catalysis)	3	3		
19	MWP-108	Proses dan Pengendalian Korosi (Corrosion Process and Prevention)	3	3		
20	MWP-206	Teknik Reaksi Elektrokimia (Electrochemical Reaction Engineering)	3		3	
21	MWP-207	Teknologi Pemrosesan Gas Alam dan Minyak Bumi (Natural Gas and Oil Processing Technology)	3		3	
22	MWP-306	Teknologi Komposit (Composite Technology)	3			3
		<b>Jumlah SKS kelulusan dipersyaratkan per semester</b>	<b>38</b>	<b>14</b>	<b>12</b>	<b>12</b>