

**STRUKTUR KURIKULUM PROGRAM STUDI MAGISTER TEKNIK FISIKA
BIDANG STUDI TEKNOLOGI ENERGI TERBARUKAN**

Semester I

No	Kode	Mata Kuliah	SKS
1	TF185101	Fisika Teknik Lanjut <i>Advanced Engineering Physics</i>	3
2	TF185102	Matematika Teknik Lanjut <i>Advanced Engineering Mathematics</i>	3
3	TF185130	Statistik Energi <i>Energy Statistics</i>	3
4	TF185140	Pemetaan Potensi Energi <i>Mapping of Energy Potency</i>	2
JUMLAH SKS			11

Semester II

No	Kode	Mata Kuliah	SKS
1	TF185210	Teknologi Konversi Energi <i>Energy Conversion Technologies</i>	2
2	TF185220	Optimisasi Sistem Energi <i>Energy System Optimization</i>	2
3	TF185203	Sistem Energi Terbarukan <i>Renewable Energy System</i>	2
4	TF185271	Metodologi Penelitian dan Proposal Tesis <i>Research Methodology and Thesis's Proposal</i>	3
JUMLAH SKS			9

Semester III

No	Kode	Mata Kuliah	SKS
1	TF185310	Audit Dan Manajemen Energi <i>Audit and Energy Management</i>	2
2	TF185371	Internship <i>Internship</i>	2
3	TF1853xx	MK Pilihan-1 <i>Elective Courses</i>	2
4	TF1853xx	MK Pilihan-2 <i>Elective Courses</i>	2
JUMLAH SKS			8

Semester IV

No	Kode	Mata Kuliah	SKS
1	TF1853xx	MK Pilihan-3 <i>Elective Courses</i>	2
2	TF1853xx	MK Pilihan-4 <i>Elective Courses</i>	2
3	TF185471	Tesis <i>Thesis</i>	5
JUMLAH SKS			9

Mata Kuliah Pilihan/*Elective Courses*

■ Bidang Peminatan Teknologi Energi Terbarukan

No	Kode	Nama Mata Kuliah	SKS
1	TF185341	Energi Biomasa <i>Biomass Energy</i>	2
2	TF185342	Energi Air <i>Hydro Energy</i>	2
3	TF185343	Energi Surya <i>Solar Energy</i>	2
4	TF185344	Energi Angin <i>Wind Energy</i>	2
5	TF185441	Energi Panas Bumi <i>Geothermal Energy</i>	2
6	TF185443	Reduksi Emisi <i>Emission Reduction</i>	2
7	TF185444	Konservasi Energi <i>Energy Conservation</i>	2