KURIKULUM 2023
PROGRAM STUDI TEKNOLOGI REKAYASA KONVERSI ENERGI

Semester 1		
Kode	**Mata Kuliah / Inggris**	**SKS**
UG234914	Bahasa Inggris *English*	2
VW231902	Fisika Terapan *Applied Physics*	3
VN231102	Ilmu Bahan *Materials Science*	2
VW231901	Matematika *Mathematics*	3
VN231101	Menggambar Teknik *Engineering Drawing*	3
VN231104	Pengukuran Teknik *Measurement Techniques*	3
VN231103	Statika *Statics*	2
	Total SKS	**18**

Semester 2		
Kode	**Mata Kuliah / Inggris**	**SKS**
VN231206	Bahan Teknik *Engineering Materials*	2
UG234912	Bahasa Indonesia *Indonesian*	2
VW231903	Kimia Terapan *Applied Chemistry*	3
VN231208	Kinematika dan Dinamika *Kinematics & Dynamics*	3
VN231209	Mekanika Kekuatan Material *Mechanics of Material*	2
VN231205	Menggambar Mesin *Mechanical Drawing*	3
VN231207	Termodinamika *Thermodynamics*	3
	Total SKS	**18**

Semester 3		
Kode	**Mata Kuliah / Inggris**	**SKS**
VN231310	Computer Aided Drawing *Computer Aided Drawing*	3
VN231313	Elemen Mesin 1 *Machine Elements 1*	3
VN231311	Mekanika Fluida *Fluid Mechanics*	3
VN231314	Mekatronika *Mechatronics*	3
VN231316	Mesin-mesin Listrik *Electrical Machines*	2
VN231312	Perpindahan Panas *Heat Transfer*	3
VN231315	Proses Manufaktur *Manufacturing Process*	3
	Total SKS	**20**

Semester 4		
Kode	**Mata Kuliah / Inggris**	**SKS**
VN231419	Elemen Mesin 2 *Machine Elements 2*	3
VN231422	Energi Baru Terbarukan 1 *Renewable Energy 1*	3
VN231423	K3L *Health Safety and Environment*	2
VN231418	Pendingin dan AC *Refrigeration and Air Conditioning*	3
VN231420	Pompa *Pump*	3
VN231421	Sistem Hidrolik *Hydraulics System*	3
VN231417	Teknik Otomotif 1 *Automotive Engineering 1*	3
	Total SKS	**20**

Semester 5		
Kode	**Mata Kuliah / Inggris**	**SKS**
VN231524	Energi Baru Terbarukan 2 *Renewable Energy 2*	3
VN231530	Green Vehicle *Green Vehicle*	3
VN231526	Kompresor *Compressor*	3
VN231527	Sistem Pneumatik *Pneumatics System*	3
VN231528	Teknik & Manajemen Perawatan *Enginering Maintenance and Management*	3
VN231525	Teknik Otomotif 2 *Automotive Engineering 2*	3
VN231529	Turbin *Turbine*	2
	Total SKS	**20**

Semester 6		
Kode	**Mata Kuliah / Inggris**	**SKS**
UG234915	Kewirausahaan Berbasis Teknologi *Technopreneurship*	2
VW231905	Magang *Internship*	14
VN231631	Manajemen Proyek dan Etika *Project Management and Ethics*	3
	Total SKS	**19**

Semester 7		
Kode	**Mata Kuliah / Inggris**	**SKS**
UG234916	Aplikasi Teknologi & Transformasi Digital *Applied Technology and Digital Transformation*	3
VN231732	Boiler *Boiler*	2
UG234913	Kewarganegaraan *Civics*	2
VW231906	Magang *Internship*	20
VN231733	Metode Komputasi *Computational Methods*	3
UG234911	Pancasila *Pancasila*	2
VN231736	Penulisan Ilmiah *Scientific Writing*	2
VN231734	Sistem Pengendalian Mesin *Control System and Engineering*	3
	Total SKS	**37**

Semester 8		
Kode	**Mata Kuliah / Inggris**	**SKS**
UG234905	Agama Buddha *Buddhis Studies*	2
UG234904	Agama Hindu *Hindu Studies*	2
UG234901	Agama Islam *Islamic Studies*	2
UG234903	Agama Katolik *Catholic Studies*	2
UG234906	Agama Khonghucu *Khonghucu Studies*	2
UG234902	Agama Kristen *Christian Studies*	2
VN231735	Piping and Instrumentasion Diagram *Piping and Instrumentasion Diagram*	2
VN231837	Proyek Akhir *Final Project*	5
VW231904	Rekayasa Teknologi Cerdas *Intelligent Technology Engineering*	3
	Total SKS	**22**