



CURICULUM 2018 (WORK BASED LEARNING)

No.	Code	Course Name		Credit	Type of Course
		PRODUCTION	AUTOMOTIVE		
SEMESTER 1					
1		Pancasila Education		2	Compulsory
2		Indonesian Language		2	Compulsory
3		Engineering English (<i>English for Academic Purpose</i>)		2	Compulsory
4		Engineering Physics		2	Compulsory
5		Practice of Bench Works		2	Compulsory
6		Engineering Mathematics		3	Compulsory
7		Machining Theory		2	Compulsory
8		Engineering Mechanics		2	Compulsory
9		Mechanical Drawing		3	Compulsory
Total Credit				20	
SEMESTER 2					
10		Religious Education		2	Compulsory
11		Civic Education		2	Compulsory
12		Student Development		2	Compulsory
13		Welding Technology		2	Compulsory
14		Mechanics of Material		2	Compulsory
15		Occupational Health & Safety (K3)		2	Compulsory
16		Thermodynamics & Heat Transfer		3	Compulsory
17		Industrial Metrology		2	Compulsory
18		Practice of Machining		2	Compulsory
Total Credit				19	
SEMESTER 3					
19		Educational Technology			Compulsory
20		Electricity & Electronics		2	Compulsory
21		Machine Elements I		2	Compulsory
22		Material Science & Metallurgy		3	Compulsory
23		Fluid Mechanics		2	Compulsory
24		Combustion Engine		2	Compulsory
25		Computer Aided Design 1		2	Compulsory
26		Practice of Welding		2	Compulsory
27		Learning Method & Strategy		2	Compulsory



28		Basic Knowledge of Vocational Education		2	Compulsory
Total Credit				21	
SEMESTER 4					
29		Turbine		2	Compulsory
30		Guidance and Counseling		2	Compulsory
31		Machine Elements II		2	Compulsory
32		Engineering Chemistry		2	Compulsory
33		Education Profesion		2	Compulsory
34		Practice of Combustion Engine		2	Compulsory
35		Computer Aided Design 2		2	Compulsory
36		Educational Science		2	Compulsory
37		Maintenance of Industrial Machinery Mechanics	Motorcycle Technology	2	Compulsory
38		Computer Aided Manufacturing	Automotive Electricity	2	Compulsory
39		Casting Technology	Automotive Chassis	2	Compulsory
Total Credit				22	
SEMESTER 5					
40		INDUSTRIAL INTERNSHIP		6	Compulsory
41		Curriculum Review & Development of Vocational Education		2	Compulsory
42		Learning Assessment		2	Compulsory
43		Computer Numerical Controlled	Practice of Chassis	2	Compulsory
44		Practice of Advanced Welding	Practice of Motorcycle Maintenance & Repair	2	Compulsory
45		Practice of Advanced Machining	Practice of Automotive Electricity	2	Compulsory
46		Machine Design	Practice of Advanced Engine Combustion	2	Compulsory
Total Credit				18	
SEMESTER 6					
47		Micro Teaching		2	Compulsory
48		Machine Dynamics		2	Compulsory
49		Social Science And Basic Culture		2	Compulsory
50		Inclusive Education		2	Compulsory



51		Lifting Equipment	2	Compulsory	
52		Research Methods	2	Compulsory	
53		Pump & Compressor	2	Compulsory	
54		Instructional Design	2	Compulsory	
55		Aerodynamics	2	The student could choose 4 credit of the elective courses	
56		Steam Generating System	2		
57		Material Technology	2		
58		Composite	2		
Total Credit			20		
SEMESTER 7					
59		PLP (Educational Internship)	4	Compulsory	
60		Entrepreneurship	2	Compulsory	
61		Statistics	2	Compulsory	
62		Student Community Service (KKN)	2	Compulsory	
63		Industrial Management	2	Compulsory	
64		Cooling Systems	Car Air Conditioning	2	Compulsory
65		Design project	Inovative project	2	Compulsory
66		Automation of Production System	Automotive Body	2	Compulsory
67		Quality Control		2	The student could choose 4 credit of the elective courses
68		Corrosion		2	
69		Coating & Painting		2	
70		Ergonomic		2	
Total Credit			22		
SEMESTER 8					
71		Final Project	6	Compulsory	
Total Credit			6		
Full Total Credit			148		