

GRADUATION CHECKLIST (COURSE COMPLETION)

BACHELOR OF ENGINEERING (HONS) MECHANICAL ENGINEERING

5 Year



Student's name : _____
 Student's ID : _____
 Sex : _____
 IC / Passport : _____
 Date of birth : _____
 Citizenship : _____

Intake : _____
 Exp. Graduate: _____
 Major/Minore Specialisation : _____
 Contact No.: _____
 UTP E-mail add: _____

Course Group	Courses	Equivalent course (if any)	Sem taken	Grade	Req CrH	Act CrH	Remarks
FOUNDATION							
EGB1012	Engineering Profession & Communication				2		
EGB2033	Workshop Practice & Design Project				3		
SCB1013	Chemistry I				3		
SCB1023	Chemistry II				3		
SHB1032	Analytical Skill & Critical Thinking				2		
SLB1000	Foundation English				0		
SLB1013	Language Awareness				3		
SLB1023	Technical & Professional Writing				3		
SMB1013	Engineering Mathematics I				3		
SMB1023	Engineering Mathematics II				3		
SPB1013	Physics I				3		
SPB1023	Physics II				3		
STB1013	Computers & the Information Age				3		
STB1053	Introduction to C++ Programming				3		
	Total Credit hour				37		
UNIVERSITY REQUIREMENTS							
SHB2013	Malaysian Studies				3		
SHB1013/1023	Islamic Studies/Moral Studies				3		
Co curriculum					1		
Co curriculum					1		
Co curriculum					1		

SLB1043 / LAN1043	Bahasa Kebangsaan B (for International)				3		
	Total Credit hour				12		
CORE							
ECB2013	Intro To Engineering Thermodynamics				3		
EGB2013	Introduction to Material Science				3		
EGB2042	Statics				2		
EGB3013	Health, Safety & Environment				3		
EGB3022	Engineering Team Project				2		
EGB3023	Electrical Technology				3		
EGB3023	Heat Transfer				3		
EGB5012	Engineers in Society				2		
EGB5023	Engineering Economics & Entrepreneurship				3		
EMB2013	Engineering Graphics				2		
EMB2023	Dynamics				3		
EMB3013	Fluid Mechanics				3		
EMB3023	Mechanical Engineering Thermodynamics				3		
EMB3032	Mechanics Lab				2		
EMB3043	Mechanics of Materials				3		
EMB3052	Thermofluid Lab				2		
EMB3072	Fluid Mechanics II				2		
EMB3093	Thermal System Design				3		
EMB4013	Machine Component Design				3		
EMB4022	Mechanical Design Technology				2		
EMB4033	Control Systems				3		
EMB4043	Kinematics & Dynamics of Machines				3		
EMB4052	Industrial Electronics				2		
EMB4062	Engineering Material Technology				2		
EMB4072	Material Lab				2		
EMB5022	Control Lab				2		
EMB5033	Manufacturing Systems				3		
SMB2013	Engineering Mathematics III				3		
SMB2023	Engineering Mathematics IV (Vector Calculus)				3		
SMB3013	Engineering Mathematics V (Numerical Methods)				3		
SMB3023	Probability & Statistics				3		
EGB4018	Industrial Training I				8		

EGB4028	Industrial Training II				8		
EMB5014	Final Year Project I				4		
EMB5024	Final Year Project II				4		
	Total Credit Hour				81		
SPECIALISATION COURSES							
MECHATRONICS							
EMB5253	Automation & Robotics				3		
EMB5263	Product Design				3		
EMB5273	Digital Control Systems				3		
EEB4053	Microprocessor II				3		
MANUFACTURING							
EMB5303	Advanced Manufacturing Systems				3		
EMB5253	Automation & Robotics				3		
EMB5283	Total Quality Management				3		
EMB5373	Manufacturing Planning & Control				3		
AUTOMOTIVE							
EMB5213	Vibration				3		
EMB5223	Automotive Systems				3		
EMB5233	Tribology				3		
EMB5243	Internal Combustion Engines				3		
MATERIALS							
EMB5293	Mechanical Metallurgy				3		
EMB5303	Corrosion Engineering				3		
EMB5313	Polymer Technology				3		
EMB5323	Composites				3		
PETROLEUM							
EMB5413	Petroleum Exploration				3		
EMB5423	Reservoir Engineering				3		
EMB5433	Drilling & Production Technology				3		
EMB5443	Facilities Engineering, Transport & Storage				3		

	Total Credit Hour				12		
ELECTIVE							
MANAGEMENT & SOCIAL SCIENCE							
					3		
					3		
					3		
	Total Credit Hour				9		
	Overall Credit Hour				171		

Student signature : _____

Endorsed by : _____

Programme Head & Stamp

Date : _____

FOR OFFICE USE ONLY:

Financial Status : _____ as of _____

Prepared By : _____

Verified By : _____

Approved By : _____

