


# BFI CURRICULUM STRUCTURE INTAKE 2023/2024 ONWARDS

## Sarjana Muda Kejuruteraan Pembuatan dengan Kepujian Bachelor of Manufacturing Engineering with Honours

BACHELOR OF MANUFACTURING ENGINEERING WITH HONOURS										
FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		ELECTIVE COURSE		
17	16	17	17	17	17	5	15	15		
BFI1711 Introduction to Engineering	BFI1113 Materials Science	BFI1233 Strength of Materials	BFI2233 Thermodynamics	BFI3323 Mechanical Design	BFI3103 Mechanical Vibration	BFI3995 Industrial Training	BFI3523 Production Planning & Control	BFI4533 Industrial Automation	BFI4743 Advanced Quality Engineering	BFI4753 Lean Production System
BFI1213 Statics	BFI1223 Dynamics	BFI2253 Fluid Mechanics	BFI2523 Quality Engineering	BFI3423 Measurement & Instrumentation	KUK3022 Engineers in Society		BFI4812 Undergraduate Research Project 1	BFI4824 Undergraduate Research Project 2	BFI4833 Sustainable Manufacturing System	BFI4853 Intelligent Engineering Optimization
BEL1113 Fund of Electrical Eng.	BFI1722 ME Engineering Lab 1	BFI3753 Manufacturing Processes	BFI2272 ME Engineering Lab 2	BFI3282 ME Engineering Lab 3	BFI3762 ME Engineering Lab 4		KUK4412 Project Management		BFI4863 Smart Manufacturing	BFI4823 Industrial Simulation
KUK1213/ BCI1103 Computer Programming for Engineers	BFI2313 Computer Aided Design	KUK2433 Numerical Methods & Optimization	BFI3731 Introductory Six Sigma	BFI3741 Intermediate Six Sigma	BFI4771 Advanced Six Sigma		*****3 Technical Elective 1	***** Technical Elective 2	BFI4583 Ergonomics	
BUM2123 Applied Calculus	BUM2133 Ordinary Differential Equation	UHC1012 Falsafah dan Isu Semasa	KUK2142 Engineering Economics	BMM3413 Automatic Control	BFI2513 Manufacturing System		***** Free Elective 1	***** Free Elective 2		
UQA2002 Co-curriculum	UHL2422 English for Technical Communication	UHC1032 KIAR	BUM2413 Applied Statistics	BFI3331 Integrated Design Project 1	BFI4343 Integrated Design Project 2		UGE2002 Techno-prenurship	UHE3**2 Elective Social Science		
UHL2400 Fund of English Language		UHF1**1 Foreign Language Level 1	UHL2432 English For Professional Communication	KUK3562 Occupational Safety & Health	BFI2433 Advanced Manufacturing Processes					
UHL2412 English For Academic Communication		UHF2**1 Foreign Language Level 2		UHC2022 Penghayatan Etika dan Peradaban						



**136 CREDIT HR**

**Matriculation / STPM / Diploma**

**Bachelor of Manufacturing Engineering with Honours**

**TECHNICAL ELECTIVE**

**FREE ELECTIVE**

**SUBJECT SERVICE**

**UNIVERSITY**

**FACULTY**

**PROGRAMME**

**ELECTIVE**