

**BACHELOR OF SCIENCE (HONOURS) INDUSTRIAL TECHNOLOGY
CURRICULUM STRUCTURE**

INTAKE: APRIL 2022 (1/22/34)

YEAR 1 (CREDIT HOURS: 39)

SEMESTER 1 (Apr '22)			SEMESTER 2 (Aug'22)			SEMESTER 3 (Nov '22)		
MPU 3152	MPU U1 (Falsafah dan Isu Semasa)	2 (2+0)	ZLU ***2	Foreign Language I	2 (2+0)	FFS 1223	Electricity and Magnetism	3 (3+0)
FXS 1212	Philosophy & Civilization Knowledge	2 (2+0)	MPU (U2)	MPU 2	2(2+0)	FTS 2233	Non Destructive Testing	3 (2+1)
FKS 1313	Chemistry	3 (3+0)	ZES 1243	Technical English II	3 (3+0)	IAS 1123	Programming Methodology	3 (2 +1)
ZES 1133	Technical English I	3 (3+0)				FMS 1183	Calculus for Technology I	3 (3 + 0)
FTS 1213	Material Science I	3 (3+0)				FMS 1323	Statistics	3 (3+0)
						FIS 2233	Measurement and Instrumentation	3 (2+1)
		13			7			18

YEAR2 (CREDIT HOURS: 40)

SEMESTER 1 (Apr '23)			SEMESTER 2 (Aug '23)			SEMESTER 3 (Nov '23)		
KJS 1132	Engineering Drawing	2 (0+2)	ZLU ***2	Foreign Language II	2 (2+0)	FIS 3213	Industrial Chemistry	3 (2 + 1)
FTS 3133	Material Science II	3 (3+0)	MPU (U4)	MPU 4	2 (2+0)	FIS 2123	Statistical Quality Control	3 (3+0)
FTS 2223	Industrial Health and Safety	3 (2+1)	ZES 2312	Public Speaking & Communicative Skills	2 (2+0)	FIS 3193	Robotic Automation	3 (2+1)
KJS 1232	Comp. Aided Design	2(0+2)	IAS 1162	Human Personality & Team Building	2 (2+0)	FIS 3243	Hydraulic Pneumatic	3 (2+1)
FMS 1233	Calculus Technology II	3 (3+0)				FTS 3243	Quality Control	3 (3+0)
MPU 3182	MPU U1 (Penghayatan Etikan dan Peradaban)	2 (2+0)				FFS2243	Industrial Control System	3 (2+1)
		15			8			18

YEAR 3 (CREDIT HOURS: 35)

SEMESTER 1 (Apr '24)			SEMESTER 2 (Aug '24)			SEMESTER 3 (Nov '24)		
FIS 3143	Product Testing and Safety in Industry	3 (2+1)	FIS 2153	Critical and Creative Thinking in Industry	3 (3+0)	FTS 2143	Corrosion and Coating	3 (3+0)
MPU U3	MPU U3	2(2+0)	IAS 2363	Technopreneuership	3 (3+0)	FIS 3373	Polymer Technology	3 (3+0)
FIS 3113	Research Methodology	3 (3+0)	FAS3113	Principles and Practices of Management in Industries	3 (3+0)	FTS 3233	Composites	3 (3+0)
FFS3213	Sensor And Actuator Technology	3 (2+1)				FIS 3324	Final Year Project II	4 (4+0)
FIS 3312	Final Year Project I	2 (2+0)						
		13			9			13

YEAR 4 (CREDIT HOURS: 6)

SEMESTER 1 (Apr '25)								
FIS 3316	Industrial Training	6 (6+0)						
		6						

(TOTAL CREDIT HOURS : 120)

U1 – Falsafah dan isu Semasa dan Penghayatan Etikan dan Peradaban/ Bahasa Melayu Komunikasi 2/ Pengajian Malaysia 3 *

U2 – Kemahiran Al-Quran 2/ Kemahiran Kerja Sosial/ Bahasa Kebangsaan A*
U3 – Introduction to Malaysian Legal System/ Dakwah Islam Di Malaysia
U4 – Wellness & Physical Activities / Pengaturcaraan Majlis / Sustainability in Community /Uniform Force*
(*) Compulsory for international students (**) Not credit Bahasa Melayu in SPM