COHORT 1 SESSION 2024/2025

CURRICULUM STRUCTURE FOR DUAL DEGREE HMA

YEAR	SEM	ТҮРЕ	CODE	COURSE	SLT CREDIT
YEAR 1	SEM 1	UNIVERSITY	ULE1310	FUNDAMENTALS OF ENGLISH LANGUAGE	0
			UQB1**1	CO-CURRICULUM 1	1
			BUM2123	APPLIED CALCULUS	3
			ULG1613	GERMAN A1	3
		PROGRAM	BKC1253	PHYSICAL CHEMISTRY	3
			BKC1752	CHEMICAL ENGINEERING LAB I	2
			BKC1243	ANALYTICAL CHEMISTRY	3
		COMMON	BMM1563	STATICS	3
				TOTAL	18
	SEM 2	UNIVERSITY	ULE1322	ENGLISH FOR ACADEMIC COMMUNICATION	2
			UQ*2**1	CO-CURRICULUM 2	1
			BUM2133	ORDINARY DIFFERENTIAL EQUATION	3
			ULG1623	GERMAN A2	3
		PROGRAM	BKC1333	THERMODYNAMICS	3
			BKC2353	MATERIAL & ENERGY BALANCE	3
			BKC2473	HEAT TRANSFER	3
			BKC2433	MASS TRANSFER	3
				TOTAL	21
	SHORT	UNIVERSITY	ULG2633	GERMAN B1.1	3
	SEM			TOTAL	3
		UNIVERSITY	ULG2643	GERMAN B1.2	3
	SEM 3		ULE2332	ENGLISH FOR TECHNICAL COMMUNICATION	2
			BUM2413	APPLIED STATISTICS	3
		PROGRAM	BKC2453	CHEMICAL REACTION ENGINEERING I	3
			BKC1323	ORGANIC CHEMISTRY	3
			BKC3463	UNIT OPERATION	3
		COMMON	KUK2142	ENGINEERING ECONOMICS	2
			BEL1113	FUNDAMENTAL OF ELECTRICAL ENGINEERING	3
			l	TOTAL	22
	SEM 4	UNIVERSITY	ULG3653	GERMAN B2.1	3
YEAR 2			ULE2342	ENGLISH FOR PROFESSIONAL COMMUNICATION	2
		PROGRAM	BMM1133	MATERIAL SCIENCE	3
			BKC2443	CHEMICAL ENGINEERING THERMODYNAMICS	3
			BKC2732	CHEMICAL ENGINEERING LAB II	2
			BKC3552	PROCESS SIMULATION & COMPUTER AIDED DESIGN	2
			BKC3472	CHEMICAL REACTION ENGINEERING II	2
			BKC3492	SEPARATION PROCESS	2
		COMMON	KUK3562	OCCUPATIONAL SAFETY & HEALTH	2
				TOTAL	21
	SHORT	UNIVERSITY	ULG3663	GERMAN B2.2	3
	SEM			TOTAL	3
VEAD 2	C	LINIIVEDOITY	UHS1022	SOFT SKILLS	2
YEAR 3	SEM 5	UNIVERSITY	UGE2002	TECHNOPRENEURSHIP	2

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YEAR	SEM	ТҮРЕ	CODE	COURSE	SLT CREDIT
		PROGRAM	BKC3732	CHEMICAL ENGINEERING LAB III	2
			BKC4914	PROCESS SYNTHESIS	4
			BKC3433	PROCESS CONTROL & DYNAMIC	3
			BKC4543	ENVIRONMENTAL ENGINEERING	3
		COMMON	KUK2443	NUMERICAL METHODS & OPTIMIZATION	3
			KUK3022	ENGINEERING IN SOCIETY	2
		TOTAL			21
	SEM 6	UNIVERSITY	UHC1012	FALSAFAH DAN ISU SEMASA	2
			UHC2022	PENGHAYATAN ETIKA DAN PERADABAN	2
		PROGRAM	BKC4792	CHEMICAL ENGINEERING LAB IV	2
			BKC4924	INTEGRATED DESIGN PROJECT	4
		COMMON	KUK4412	PROJECT MANAGEMENT	2
		TOTAL			12
	SEM 7	PROGRAM	VTE	INTRODUCTION TO PROCESS ENGINEERING (E)	2
			BVT	BIOLOGICAL PROCESS ENGINEERING (E)	2
			LVT	FOOD PROCESSING TECHNOLOGY (E)	1.33
YEAR 4			BPE	BIOREACTORS AND PERIPHERAL EQUIPMENT (E)	3.33
			REE	RENEWABLE ENERGIES (E)	2.7
			ST	FLUID MECHANICS	2.7
			DIG	DIGITALISATION / PROGRAMMING	1.3
		TOTAL			15.33
	SEM 8	PROGRAM	PS	INTERNSHIP SEMESTER (PS)	17.3
			BV	BLOCK COURSES	1.3
			KPS	INTERNSHIP SEMESTER COLLOQUIUM	1.3
		TOTAL			20.0
YEAR 5	SEM9	PROGRAM	BA	BACHELOR THESIS	8
			BK	BACHELOR THESIS COLLOQUIUM	2
		TOTAL			
		GRAND TOTAL			