

DEGREE REQUIREMENTS AND CURRICULUM FOR ACADEMIC YEAR

DEGREE PROGRAMME IN PAPER TECHNOLOGY
Specialisation of Process and Paper Engineering

Unit of Technology/Imatra, valid for the students enrolled in 2008

STUDY MODULE		Academic year/Scope, cr.				*) FI/EN
		1.	2.	3.	4.	
BASIC STUDIES		124 cr				
000078	CORE STUDIES OF POLYTECHNIC	11 cr				
	KSU0036 Finnish Communication at Work	3	-	-	-	FI
	KRU0042 Swedish Communication at Work	3	-	-	-	FI
	KEN0076 English Communication at Work	3	-	-	-	FI
	KPE0042 Orientation Studies	2	-	-	-	FI
000010	MATHEMATICS	14 cr				
	KMA0071 Mathematics I	3	-	-	-	FI
	KMA0069 Introduction to Mathematics	(3)	-	-	-	FI
	KMA0067 Mathematics II	3	-	-	-	FI
	KMA0087 Mathematics III	-	5	-	-	FI
	KMA0010 Mathematics VII	-	-	-	3	FI
	KMA0094 Numerical Mathematics	-	-	-	(3)	FI
000012	PHYSICS	13 cr				
	KFK0047 Physics I	4	-	-	-	FI
	KFK0018 Physics II	-	3	-	-	FI
	KFK0001 Physics, Lab Course	-	3	-	-	FI
	KFK0032 Physics IV	-	-	3	-	FI
000014	INFORMATION TECHNOLOGY	10 cr				
	KTI0001 Information Technology I	3	-	-	-	FI
	KTI0067 Information Technology II	4	-	-	-	FI
	KVV0189 Plant Design Systems	-	3	-	-	FI
000001	FINNISH COMMUNICATION SKILLS	4 cr				
	KSU0041 Finnish Communication for Technology	-	4	-	-	FI
000002	SWEDISH COMMUNICATION SKILLS	3 cr				
	KRU0046 Swedish for Technology	-	3	-	-	SV
000005	ENGLISH COMMUNICATION SKILLS	8 cr				
	KEN0079 English for Technology	-	3	-	-	EN
	KEN0082 English for Paper Technology	-	-	5	-	EN
209201	INDUSTRIAL ECONOMY AND MANAGEMENT SKILLS	9 cr				
	KTE0327 Industrial Economy	-	-	-	3	EN/FI
	KLI0371 Management and Leadership	-	-	3	-	EN/FI
	KLI0134 Quality Management	-	-	-	3	EN/FI
209217	MECHANICAL AND AUTOMATION ENGINEERING	15 cr				
	KTE0863 Mechanical Engineering	-	3	-	-	FI
	KTE1258 Maintenance and corrosion prevention	-	-	-	5	FI
	KTE1259 Process Automation I	-	-	4	-	FI
	KTE0070 Process Automation II	-	-	-	3	EN/FI

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Code	Course						
209204	CHEMISTRY	28 cr					
KFK0033	Anorganic Chemistry I		3	-	-	-	FI
KFK0034	Anorganic Chemistry II		3	-	-	-	FI
KTE0865	Organic Chemistry		3	-	-	-	EN/FI
KTE0862	Introduction to Biochemistry and Biotechnology		-	3	-	-	FI
KTE1260	Analytical Chemistry		-	-	4	-	FI
KTE0075	Anorganic Chemistry, Laboratory Work		3	-	-	-	FI
KTE0076	Organic Chemistry, Laboratory Work		-	3	-	-	FI
KTE0866	Physical Chemistry I		-	3	-	-	EN
KTE0867	Physical Chemistry II		-	-	3	-	EN
209205	PROCESS TECHNOLOGY	20 cr					
KTE0078	Flow Technology		3	-	-	-	FI
KTE1261	Heat Transfer Technology		-	4	-	-	FI
KTE0080	Thermodynamics		-	3	-	-	FI
KTE1262	Mechanical Processes I		4	-	-	-	EN/FI
KTE0083	Mass Transfer Processes I		-	-	3	-	FI
KTE1426	Process Modelling		-	-	3	-	EN/FI
PROFESSIONAL STUDIES		45 cr					
209207	CHEMISTRY MANUFACTURING	27 cr					
KTE1263	Mass Transfer Processes II		-	-	-	4	FI
KTE0082	Mechanical Processes II		-	3	-	-	FI
KTE0880	Environmental Protection Management		-	-	3	-	EN/FI
KTE1429	Technical Chemistry		3	-	-	-	FI
KTE1265	Lab Workshop I, Pulping Technology		-	-	3	-	EN/FI
KTE1338	Lab Workshop II, Chemical Engineering		-	-	-	5	EN/FI
KTE1267	Paper Technolgy I		-	3	-	-	FI
KTE0870	Pulping Technology III		-	-	3	-	EN/FI
209220	PLANT DESIGN	18 cr					
KTE1268	Plant Design		-	-	6	-	FI
KTE1060	Automation Design		-	-	3	-	FI
KTE1269	Basics of Plant Design		-	-	3	-	EN/FI
KTE1064	Plant Design Project		-	-	-	6	EN/FI
ELECTIVE STUDIES		15 cr					
PLACEMENT		30 cr					
BACHELOR'S THESIS		15 cr					
TOTAL		240 cr					

*) FI = in Finnish, EN = in English, SV = in Swedish