

DEGREE REQUIREMENTS AND CURRICULUM FOR ACADEMIC YEAR

DEGREE PROGRAMME INDUSTRIAL ENGINEERING AND MANAGEMENT

Technology department/Imatra, valid for students enrolled in 2007

STUDY MODULE		Academic year/scope, cr				*) Lang.
		1.	2.	3.	4.	
CORE STUDIES OF POLYTECHNICS		11 cr				
KSU0036	Finnish Communicaton at Work	3	-	-	-	FI
KRU0042	Swedish Communication at Work	3	-	-	-	FI
KEN0076	English Communication at Work	3	-	-	-	FI
KPE0042	Orientation Studies	2	-	-	-	FI
BASIC STUDIES OF STUDY PROGRAM		52 cr				
000001	FINNISH COMMUNICATION SKILLS	4 cr				
KSU0041	Finnish Communicaton for Technology	-	4	-	-	FI
201909	RESEARCH STUDIES	5 cr				
KTE1289	Information Skills	3	-	-	-	FI
KTE1290	Bachelor's Thesis Seminar	-	-	-	2	FI
000005	ENGLISH COMMUNICATION SKILLS	9 cr				
KEN0079	English for Technology	3	-	-	-	FI
KEN0085	English for Industrial Eng & Management 1	-	3	-	-	FI
KEN0086	English for Industrial Eng & Management 2	-	-	3	-	FI
000002	SWEDISH COMMUNICATION SKILLS	3 cr				
KRU0046	Swedish for Technology	-	3	-	-	FI
000010	MATHEMATICS	12 cr				
KMA0069	Introduction to Mathematics (optional)	(3)	-	-	-	FI
KMA0071	Mathematics I	3	-	-	-	FI
KMA0088	Mathematics T	-	3	-	-	FI
KMA0089	Matrix and Vector Calculus	-	3	-	-	FI
KMA0027	Statistics and Mathematics	-	-	3	-	FI
000072	PHYSICS AND CHEMISTRY	10 cr				
KTE0428	Chemical Processes	3	-	-	-	FI
KFK0047	Physics	-	4	-	-	FI
KFK0001	Physics, Lab Course	-	3	-	-	FI
201910	BASICS OF LAW	3 cr				
KLI0778	Basics of Law	-	-	3	-	FI
201911	BASICS OF NATIONAL ECONOMY	3 cr				
KLI0844	Basics of National Economy	3	-	-	-	FI
201912	BASICS OF GLOBAL FOREST INDUSTRY	3 cr				
KTE1434	Global Forest Industry	3	-	-	-	FI
PROFESSIONAL STUDIES OF STUDY PROGRAM		99 cr				
201902	INDUSTRIAL ENGINEERING AND MANAGEMENT	6 cr				
KTE1102	Introduction to Industrial Engineering and Management	3	-	-	-	FI
KTE0034	Production Planning	-	3	-	-	FI
201907	LOGISTICS	12 cr				
KTE1291	Introduction to Logistics	3	-	-	-	FI
KTE1292	Purchasing Management	-	3	-	-	FI
KTE0054	Materials Management in Industrial Enterprises	-	-	3	-	FI
KTE1293	Transportation and Distribution Logistics	-	-	3	-	FI

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				1.	2.	3.	4.	
201906	FINANCE AND ACCOUNTING		20 cr					
	KLI0837	Basics of Business Operations	4 cr					
		<i>Basics of Business Economy</i>		2	-	-	-	FI
		<i>Business Simulation</i>		-	-	-	2	FI
	KLI0838	Accounting	5 cr					
		<i>Accounting 1</i>		-	2	-	-	FI
		<i>Analysis of Financial Statement</i>		-	-	3	-	FI
	KLI0839	Management Accounting	11 cr					
		<i>Basics of Management Accounting</i>		3	-	-	-	FI
		<i>Pricing and Planning Accounting</i>		-	2	-	-	FI
		<i>Financing & Investment Planning</i>		-	-	-	3	FI
		<i>Budgeting & Business Planning</i>		-	-	3	-	FI
305803	MARKETING		12 cr					
	KLI0836	Principles of Marketing		3	-	-	-	EN
	KLI0366	International Marketing Management		-	3	-	-	EN
	KLI0840	Business to Business Marketing & CRM		-	-	3	-	EN
	KLI0268	Russian Trade and Cultures*		-	-	-	(3)	EN
	KTE1435	Asian Trade and Culture*		-	-	-	(3)	EN
		*alternative courses						
201913	INFORMATION TECHNOLOGY AND CONTROL SYSTEMS		18 cr					
	KTI0064	Basics of Information Technology		4	-	-	-	FI
	KTI0012	Data Transfer and Networks		3	-	-	-	FI
	KTE1436	Enterprise resource and business process planning		-	5	-	-	FI
	KTE1501	Systems Analysis and Design		-	-	3	-	FI
	KLI0445	E-Business		-	-	3	-	FI
201903	PAPER AND BOARD PRODUCTION		22 cr					
	KTE1296	Pulp Production		-	5	-	-	FI
	KTE1297	Paper and Board Production		-	5	-	-	FI
	KTE0864	Maintenance Technology		-	-	3	-	FI
	KTE1298	Process Planning		-	-	3	-	FI
	KTE1502	Paper and Board Converting and Printing		-	-	-	6	FI
201904	INDUSTRIAL ORGANISATIONS, MANAGEMENT & LEADERSHIP		17 cr					
	KTE1437	Psychology at Work		-	3	-	-	FI
	KTE1439	Management and Organizations		-	-	3	-	FI
	KTE1440	Quality and Environmental Management		-	-	5	-	FI
	KTE1438	Labour Law		-	-	-	3	FI
	KTE1441	Company Security Management		-	-	-	3	FI
201908	PRACTICAL PROJECT		10 cr					
				-	-	3	7	FI
ELECTIVE STUDIES			15 cr	-	6	6	3	-
PLACEMENT			30 cr	-	10	10	10	-
BACHELOR'S THESIS			15 cr					
TOTAL			240 cr					

*) Language; FI = in Finnish, EN = in English