curriculum.

	Semest	nester Credit Units ECTS-Credits		
PROCESS ENGINEERING	1	2	3	4
Process Control	2 2			
Reaction Engineering	2 3			
Heat and Mass Transfer	3 4			
Matlab in Engineering	1 1			
Revision Course in Process Technology	4 10			
Conceptual Process Design & Simulation		2 4		
Plantwide Control		2 3		
Apparatus Engineering		2 3		
Solid Process Engineering - Particle Technology		2 3		
Advanced Thermal Process Technology		2 2		
Plant Safety			2 2	
Plant Engineering			2 3	
Computational Fluid Dynamics – Theory			1 2	
Computational Fluid Dynamics – Simulation			2 3	
Interdisciplinary Project			3 10	
BEYOND ENGINEERING	1	2	3	4
Regulations and Standards in Process Engineering	1 1	2		4
Legal Aspects of Engineering	1 1			
Business Economics	2 3			
Academic Writing	213	1 1		
5				
Design of Experiments Ethics		1 2		
		1 1		
Literature Seminar		1 1		
ELECTIVES	1	2	3	4
Plant Engineering and Operations				
Strength of Materials	2 2,5			
Process Integration		1 1		
Plant Automation		1 3		
Materials Handling and Logistics		2 1		
Plant Design Project			4 5	
Chamical Engineering				
Chemical Engineering Rolymer Chemistry	2 2,5			
Polymer Chemistry	212,5	2125		
Advanced Industrial Chemistry		2 2,5		
Advanced Catalysis		2 2,5	1 1	
Chemical Technology Seminar				
Chemical Product Design and Development			1 1	
Industrial Scale-Up			1 2	
Field Trip			1 1	
Energy Engineering				
Energy Storage	1 1,25			
Electrochemical Energy Storage and Conversion	1 1,25			
Power and Smart Grids		2 2,5		
Energy Conversion Technologies and Synthetic Bio-Fuels		2 2,5		
Renewable Energy Systems			2 2,5	
Heating and Cooling Technology			2 2,5	
Environmental Engineering				
Waste Engineering	1 1,25			
Noise Control	1 1,25			
Groundwater, Advanced Water Engineering and Reuse	. ,==	3 4		
Life Cycle Assessment		1 1		
Membrane Technology			2 2,5	
Flow and Transport in Environmental Engineering			2 2,5	
MASTER THESIS	1	2	3	4
Master Seminar				2 5
Master Thesis				25
SEMESTER CREDIT UNITS ECTS-CREDITS	20 30	22 30	18 30	2 30
CEMECTER OREDITIONALIST L'OTS CREDITS	20130	22,00	10100	2,00