

curriculum.

Semester Credit Units | ECTS-Credits

	1	2	3	4	5	6
FUNDAMENTALS: MATHEMATICS, NATURAL SCIENCES						
Mathematics	4 5	4 5	3 4			
Fundamentals of Biology & Microbiology Laboratory	1 1					
Fundamentals of Biology & Microbiology	2 3					
Anorganic & Analytic Chemistry	2 3					
Chemistry I	3 4					
Thermodynamics I		2 3				
Chemical Laboratory & Analytics		3 4				
Organic Chemistry		3 3				
Technical Physics I	3 5					
FUNDAMENTALS OF ENGINEERING						
Design Engineering	2 2					
Engineering Mechanics	2 3	2 3				
Fundamentals of Apparatus & Plant Engineering		2 2				
Material Science		2 3				
Electrical Engineering		2 3	2 3			
Electrical Engineering Laboratory				1 1		
Measurement Technique				1 1		
Control Engineering				2 3		
PROCESS ENGINEERING						
Fluidynamics			3 4			
Thermodynamics II			2 3			
Fundamental of Chemical Process Engineering			2 3			
Chemical Process Engineering Seminar			1 1			
Material- & Energy Balances			1 1			
Chemical Process Engineering Laboratory			2 3			
Technical Thermodynamics				3 4		
Thermal Process Engineering				2 3		
Thermal Process Engineering Laboratory				3 4		
Mechanical Process Engineering				3 4	1 1	
Mechanical Process Engineering Laboratory					2 3	
Plant & Process Engineering					3 4	
Process Simulation					2 4	
Biological Process Engineering					2 3	
Biological Process Engineering Laboratory					1 1	
ENVIRONMENTAL- & ENERGY ENGINEERING						
Solid Waste Management			2 2			
Hydropower			2 2			
Renewable Energy				2 3		
Air Pollution Control				2 3		
Biomass					2 3	
Design Project					3 4	
Water Pollution Control					2 3	
BACHELOR THESIS						
Bachelor Thesis						1 12
Selected Aspects of Industrial Production						1 1
Seminar Bachelor Thesis						2 2
INTERNSHIP						
Internship						1 15
BUSINESS & MANAGEMENT / KEY COMPETENCIES						
Good Scientific Practice	1 1					
English	2 2	2 2	1 1	1 1		
Key Competencies	1 1	1 1	1 1			
Business & Management		1 1	2 2	3 3	4 4	
SEMESTER CREDIT UNITS ECTS-CREDITS	23 30	24 30	24 30	23 30	22 30	2 30