

Curriculum

Semester Credit Units | ECTS-Credits

	1	2	3	4	5	6
SCIENTIFIC & TECHNICAL BASICS						
Mathematics	4 5	4 5				
Technical Physics	4 5					
Engineering Mechanics	2 3					
Design Engineering	2 2					
ENGINEERING SCIENCES						
Thermodynamics		3 5				
Materials & Material Technology		3 5				
Fluidynamics			3 5			
Building Physics				4 5		
Buildings Envelope				3 5		
Energy Engineering					3 5	
Safety Engineering						3 5
INFORMATION TECHNOLOGY						
Fundamentals of Information Technology and Data Security	3 5					
Bus Systems		2 4				
Bus Systems Laboratory		1 1				
AUTOMATION & MEASUREMENT, CONTROL & REGULATION						
Fundamentals of Electrical Engineering		2 4				
Fundamental of Electrical Engineering Laboratory		1 1				
Measurement Technique & Intelligent Sensor Systems			2 4			
Measurement Technique & Intelligent Sensor Systems Lab.			1 1			
HEATING, VENTILATION, AIR CONDITIONING & SANITARY ENG.						
Water Supply & Waste Water Disposal Systems			2 4			
Water Supply & Waste Water Disposal Systems Laboratory			1 1			
Ventilation Technology			2 4			
Ventilation Technology Laboratory			1 1			
Refrigeration Technology & Air Conditioning					2 4	
Refrigeration Technology & Air Conditioning Laboratory					1 1	
Heating Technology					2 4	
Heating Technology Laboratory					1 1	
Heating, Ventilation, Air Conditioning & Sanitary Engineering*						3 5
COMFORT IN BUILDING SERVICES ENGINEERING						
Lighting Technology I				3 5		
Comfort in Building Technology					3 5	
Lighting Technology II*						3 5
BUSINESS & MANAGEMENT / KEY COMPETENCIES						
Introduction to Academic Research	1 1					
English I	2 2					
Introduction to Building Technology	1 1					
Business & Management: Basics for Engineers	1 1					
English II			2 2			
Accounting / Controlling			2 3			
English III				1 1		
Quality- & Environmental Management				2 2		
Process- & Project Management				2 2		
English IV					1 1	
Fundamentals of Law					2 2	
Life Cycle Assessment					1 1	
Energy Certificate					1 1	
PRACTICAL PHASES						
Internship	0 5	0 5	0 5	0 5	0 5	0 5
PRACTICE-ORIENTED R&D / BACHELOR THESIS						
Buildings Conception and Planning				3 5		
Bachelor Seminar						1 2
Bachelor Thesis						0 12
Bachelor Exam						0 1
SEMESTER CREDIT UNITS ECTS-CREDITS	20 30	16 30	16 30	18 30	17 30	7 30

*Specialisation