

# Curriculum

	Semesterwochenstunden   ECTS-Credits					
	1	2	3	4	5	6
<b>INFORMATION TECHNOLOGY</b>						
Fundamentals of Information Technology and Data Security	3   5					
Bus Systems		2   4				
Bus Systems Laboratory		1   1				
<b>AUTOMATION &amp; MEASUREMENT, CONTROL &amp; REGULATION</b>						
Fundamentals of Electrical Engineering		2   4				
Fundamentals of Electrical Engineering Laboratory		1   1				
Measurement Technique and Intelligent Sensor Systems			2   4			
Measurement Technique and Intelligent Sensor Systems Lab.			1   1			
<b>HEATING, VENTILATION, AIR CONDITIONING &amp; SANITARY ENGINEERING</b>						
Water Supply and Waste Water Disposal Systems			2   4			
Water Supply and Waste Water Disposal Systems Laboratory			1   1			
Ventilation Technology			2   4			
Ventilation Technology Laboratory			1   1			
Refrigeration Technology and Air Conditioning					2   4	
Refrigeration Technology and Air Conditioning Laboratory					1   1	
Heating Technology					2   4	
Heating Technology Laboratory					1   1	
Heating, Ventilation, Air Conditioning and Sanitary Engineering*						3   5
<b>COMFORT IN BUILDING TECHNOLOGY</b>						
Lighting Technology I				3   5		
Comfort in Building Technology					3   5	
Lighting Technology II*						3   5
<b>SCIENTIFIC &amp; TECHNICAL BASICS</b>						
Mathematics I and II	4   5	4   5				
Technical Physics	4   5					
Engineering Mechanics	2   3					
Design Engineering	2   2					
<b>ENGINEERING SCIENCES</b>						
Thermodynamics		3   5				
Materials and Material Technology		3   5				
Fluidynamics			3   5			
Building Physics				4   5		
Buildings Envelope				3   5		
Energy Engineering					3   5	
Safety Engineering						3   5
<b>BUSINESS &amp; MANAGEMENT / KEY COMPETENCIES</b>						
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- and Environmental Management				2   2		
Process- and Project Management				2   2		
English IV					1   1	
Fundamentals of Law					2   2	
Life Cycle Assessment					1   1	
Energy Certificate					1   1	
<b>PRACTICAL PHASES</b>						
Practical Phase I - VI	0   5	0   5	0   5	0   5	0   5	0   5
<b>PRACTICE-ORIENTED R&amp;D / BACHELOR'S THESIS</b>						
Buildings Conception and Planning				3   5		
Bachelor's Seminar						1   2
Bachelor's Thesis						0   12
Bachelor's Exam						0   1
<b>SEMESTER CREDIT UNITS   ECTS-CREDITS</b>	<b>20   30</b>	<b>16   30</b>	<b>16   30</b>	<b>18   30</b>	<b>17   30</b>	<b>7   30</b>

\*Specialisation