

curriculum.

MODULES / COURSES	SEMESTER CREDIT UNITS ECTS-Credits			
	1	2	3	4
A. CORE AREA MECHATRONICS				
Higher Mathematics	3 4	3 4		
Control Engineering	3 4	2 3		
Sensors & Actuators	4 5			
Simulation & Optimization	2 3			
Robotics		4 6		
Computational Fluid Dynamics			2 3	
Process Management & Logistics			2 2	
B. PROJECTS & TECHNICAL CASE STUDIES				
Project 1		2 5		
Project 2			4 10	
C1. MAJOR ELECTRICAL ENGINEERING				
Electrodynamics	4 6			
Measurement Methods	3 4			
Drive Systems		3 4		
Embedded Computing		3 4		
Simulation			5 7	
Industrial Electronics			2 3	
C2. MAJOR MECHANICAL ENGINEERING				
Higher Mechanics	3 4			
Material Sciences	4 6			
Hydraulics & Pneumatics		3 4		
Machine Dynamics		3 4		
Simulation			5 7	
Handling Technology			2 3	
D. MANAGEMENT & KEY COMPETENCIES				
Strategic Management & Marketing	1 1	1 1		
Communication & Sales Techniques	1 1			
Innovation & Technology Management		1 1		
Business Planning			1 1	
Leadership Development			1 1	
Career Coaching				1 1
E. MASTER THESIS / ACADEMIC WRITING / R & D				
Current Research Areas	1 2	1 2	1 2	
Academic Writing			1 1	
Master Thesis & Seminar				2 29
NUMBER OF SEMESTER CREDIT UNITS ECTS-Credits	22 30	20 30	19 30	3 30