

## curriculum.

FOCUSES / COURSES	SEMESTER CREDIT UNITS   ECTS-Credits			
	1	2	3	4
<b>1. GENERAL ENGINEERING – ELECTIVES</b>				
Mathematics	2   4			
<b>Elective Process Engineering</b>				
Fluid process engineering	3   4			
Solid process engineering		3   4		
Plant & process engineering			2   4	
<b>Elective Manufacturing Technology</b>				
Material science	3   4			
Advanced manufacturing technology		3   4		
Simulation & optimization			2   4	
<b>2. GENERAL MANAGEMENT</b>				
Management accounting & controlling	4   4			
Managerial economics	1   1			
Contract & corporate law	3   4			
Investment & finance		3   4		
Human resource management		1   2		
Change management		1   2		
Leadership & organizational development		1   1		
Innovation & start up			1   2	
Strategic management			2   2	
Sourcing & procurement			1   1	
Marketing & product management			2   2	
Sales- & distribution management			2   2	
<b>3. PRODUCTION TECHNOLOGY &amp; MANAGEMENT</b>				
Production technology & operations I, II, III	3   4	3   4	3   4	
Manufacturing execution systems		3   4		
IT-based business management			2   4	
<b>4. PROJECT LEADERSHIP</b>				
Integrated project I, II, III	3   5	3   5	3   5	
<b>5. MASTER THESIS / RESEARCH &amp; DEVELOPMENT</b>				
Applied research & development I, II, III	2   4	2   4	2   4	
Master seminar				4   4
Master thesis				1   26
<b>NUBER OF SEMESTER CREDIT UNITS   ECTS-Credits</b>	<b>21   30</b>	<b>20   30</b>	<b>20   30</b>	<b>4   30</b>