

# Curriculum

## Semester Credit Units | ECTS-Credits

GENERAL ENGINEERING & IT	1	2	3	4
Mathematics / IT	2   4			
Intelligent Production Systems		2   3		
IOT Lab		1   1		
Business Intelligence			1   1	
Predictive Analytics			2   3	
Sustainable Manufacturing	2   2			
Material Selection	2   3			
Advanced Production and Processing		2   3		
Material & Energy Flow Management		2   2		
Virtual Product Development/ Prototyping			3   4	
PRODUCTION ENGINEERING & MANAGEMENT	1	2	3	4
Operations Management	2   3			
Technical Asset Management	1   1			
Supply Chain Planning		2   4		
Supply Chain Strategy & Innovation			3   4	
Project Production Simulation	3   5			
Project Systems Engineering		2   5		
Integrative Project			2   5	
GENERAL MANAGEMENT	1	2	3	4
Contract and Company Law	3   4			
Managerial Economics	1   1			
Financial Accounting & Analysis	2   3			
Management Accounting & Controlling		2   2		
Investment & Financing		2   2		
HR Management		1   1		
Leadership & Transformation		2   3		
Strategy & Business Models			2   2	
Product & Innovation Management			2   2	
Electives General Management & Leadership			2   5	
I. Entrepreneurship & New Venture Creation				
II. International Management				
III. Leadership in Practice				
MASTER THESIS / APPLIED RESEARCH & DEVELOPMENT / KEY SKILLS	1	2	3	4
Applied Research & Key Skills I	3   4			
Applied Research & Key Skills II		3   4		
Applied Research & Key Skills III			3   4	
Master Seminar				3   4
Master Thesis & Master Exam				26
SEMESTER CREDIT UNITS   ECTS-CREDITS	21   30	21   30	20   30	3   30