

MECHANICAL AND SUSTAINABLE ENGINEERING		Kod	240 sp															
General education studies (15 sp)			Year 1				Year 2				Year 3				Year 4			
Education in a Digital and Sustainable Nordic Society (15 sp)			P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4	P1	P2	P3	P4
	Technology and Learning	GT-1-013	5															
	Teamwork and Innovation	GT-1-014		5														
	Ethical and Sustainable Societal Development	GT-1-015			5													
Professional studies (165 sp)			Year 1				Year 2				Year 3				Year 4			
Basic studies in Technology (30 sp)				5				5										
	Linear Algebra	PM-2-026		5														
	Differential calculus	PM-2-025					5											
	Integral calculus	PM-2-024					5											
	Engineering Chemistry	GT-2-013	5					5										
	Engineering Physics	GT-2-014				5												
	Introduction to programming and automation	GT-2-024	2.5	2.5														
Sustainable Modelling (15 sp)						5												
	Environment and Resources	GT-2-015				5												
	Sustainable Energy and Materials	GT-2-019					5											
	Life Cycle Assessment	GT-2-020								5								
Technical Modelling (15 sp)				5														
	Technical Drawing	PM-2-030		5														
	Computer Aided Design	PM-2-031			5													
	Programming	GT-2-021								5								
Materials (30 sp)									5									
	Materials Chemistry	PM-2-032							5									
	Manufacturing and Processing	PM-2-034						2.5	2.5									
	Material properties	PM-2-033							5									
	Composites	PM-2-035								2.5	2.5							
	Heat Transfer	PM-1-006								5								
	Material Selection	PM-2-041											5					
Engineering Design (30 sp)									5									
	Statics	PM-2-036							5									
	Mechanics of Materials	IM-2-042							5									
	Digital Manufacturing	PM-2-038								5								
	Finite Element Method	PM-2-003											5					
	Dynamics	PM-2-037									5							
	Computer Aided Engineering	PM-2-039										2.5	2.5					
Professional Kommunikation (15 sp)					2.5	2.5												
	English Professional Communication MSE	SP-2-028			2.5	2.5												
	Swedish for Beginners 1	SP-1-004					5											
	Swedish for Beginners 2	SP-1-044						5										
Practical Training (30 sp)																	15	
	Practical Training 1 (can be taken in any summer between 1st and 2nd year)	PM-5-005															15	
	Practical Training 2 (can be taken in any summer between 2nd and 3rd year)	PM-5-006																15
Development Studies (30 sp)			Year 1				Year 2				Year 3				Year 4			
Circular Economy (15 sp)									5									
	Circular Economy Principles	GT-3-002							5									
	Circular Economy Sectors	GT-3-003								5								
	Circular Economy Indicators	GT-3-004									5							
Plastic Technology (15 sp)													5					
	Fluid Mechanics	MP-2-051											5					
	Mould Design	PT-2-007												5				
	Processing Methods and Optimization	PM-3-019													5			
Advanced Materials Technology (15 sp)													5					
	Sustainable Product Design	PM-3-028											5					
	Viscoelasticity	PM-3-023											5					
	Material Analysis	MP-2-046											5					
Project (15 sp)																		
	Project	PM-2-007																
Finnish for Beginners (15 sp)											3.75	3.75	3.75	3.75				
	Finnish for Beginners I	SP-3-016	5															
	Finnish for Beginners II	SP-3-010		5														
	Finnish for Beginners III	SP-3-014			5													
Other development studies																		
	Introduction to Engineering Mathematics		5															
Research Studies (30 sp)			Year 1				Year 2				Year 3				Year 4			
Thesis and Methods (30 sp)																		
	Writing for Research	GT-2-022												5				
	Thesis Seminars	GT-2-023													5			
	Data Analysis	GT-2-025													5			
	Thesis for Bachelor Degree in Technology, Bachelor of Engineering	LP-324000															15	
	SUMMA PER PERIOD		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	SUMMA PER LÅSÅR	240 sp	60				60				60				60			