

MECHANICAL AND SUSTAINABLE ENGINEERING			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)																		
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)																		
Linear Algebra	PM-2-026		5															
Differential calculus	PM-2-025				5													
Integral calculus	PM-2-024					5												
Engineering Chemistry	GT-2-013		5															
Engineering Physics	GT-2-014			5														
Introduction to programming and automation	GT-2-024		2.5	2.5														
Sustainable Modelling (15 sp)																		
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)																		
Technical Drawing	PM-2-030		5															
Computer Aided Design	PM-2-031			5														
Programming	GT-2-021						5											
Materials (30 sp)																		
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)																		
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 Communication (15 sp)																		
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)																		
Practical Training 1	PM-2-005																15	
Practical Training 2	PM-2-006																15	
Development Studies (30 sp)			Year 1				Year 2				Year 3				Year 4			
Circular Economy (15 sp)																		
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)																		
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)																		
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											3.75	3.75	3.75	3.75			
Finnish for Beginners (15 sp)																		
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	
SUMMA PER LÅSÅR			240 sp				60				60				60			