

MECHANICAL AND SUSTAINABLE ENGINEERING			240 sp															
General education studies (15 sp)			Year 1				Year 2				Year 3				Year 4			
<b>Education in a Digital and Sustainable Nordic Society (15 sp)</b>																		
Technology and Learning	GT-1-013		5															
Teamwork and Innovation	GT-1-014			5														
Ethical and Sustainable Societal Development	GT-1-015				5													
<b>Professional studies (165 sp)</b>			Year 1				Year 2				Year 3				Year 4			
<b>Basic studies in Technology (30 sp)</b>																		
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														
<b>Sustainable Modelling (15 sp)</b>																		
Environment and Resources	GT-2-015				5													
Sustainable Energy and Materials	GT-2-019					5												
Life Cycle Assessment	GT-2-020						5											
<b>Technical Modelling (15 sp)</b>																		
Technical Drawing	PM-2-030		5															
Computer Aided Design	PM-2-031			5														
Programming	GT-2-021						5											
<b>Materials (30 sp)</b>																		
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								
<b>Engineering Design (30 sp)</b>																		
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					
<b>Professional Kommunikation (15 sp)</b>																		
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											
<b>Practical Training (30 sp)</b>																		
Practical Training 1	PM-5-005																15	
Practical Training 2	PM-5-006																15	
<b>Development Studies (30 sp)</b>			Year 1				Year 2				Year 3				Year 4			
<b>Circular Economy (15 sp)</b>																		
Circular Economy Principles	GT-3-002					5												
Circular Economy Sectors	GT-3-003						5											
Circular Economy Indicators	GT-3-004							5										
<b>Plastic Technology (15 sp)</b>																		
Fluid Mechanics	MP-2-051									5								
Mould Design	PT-2-007										5							
Processing Methods and Optimization	PM-3-019												5					
<b>Advanced Materials Technology (15 sp)</b>																		
Sustainable Product Design	PM-3-028										5							
Viscoelasticity	PM-3-023											5						
Material Analysis	MP-2-046												5					
<b>Project (15 sp)</b>																		
Project	PM-2-007												3.75	3.75	3.75	3.75		
<b>Finnish for Beginners (15 sp)</b>																		
Finnish for Beginners I	SP-3-016		5															
Finnish for Beginners II	SP-3-010			5														
Finnish for Beginners III	SP-3-014				5													
<b>Other development studies</b>																		
Introduction to Engineering Mathematics			5															
<b>Research Studies (30 sp)</b>			Year 1				Year 2				Year 3				Year 4			
<b>Thesis and Methods (30 sp)</b>																		
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		
<b>SUMMA PER PERIOD</b>			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
<b>SUMMA PER LÅSÅR</b>			240 sp				60				60				60			