

## Biomedical Engineering

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links				
				S.Ex. stud.				20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4	
<a href="#">BMEN05</a>	7.5	A	<a href="#">M, N</a>	X	E	Biomechanics	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">BMEN05</a>			<a href="#">E, F, MD, Pi</a>				X		1			
<a href="#">BMEN05</a>			<a href="#">BME</a>						1			
<a href="#">EEMN21</a>	7.5	A	<a href="#">E, F</a>	X	E1	Introduction to Microfluidics and Lab-on-a-chip Systems	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EEMN21</a>			<a href="#">BME, N</a>						1			
<a href="#">EITN60</a>	7.5	A	<a href="#">C, D, E, MWIR</a>	X	E	Optimum and Adaptive Signal Processing		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	1			
<a href="#">EITN60</a>			<a href="#">BME, E, MSOC, Pi</a>						1			

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	20/21	20/21	20/21	20/21
				S.Ex. stud.					sp1	sp2	sp3	sp4
<a href="#">BMEN25</a>	7.5	A	<a href="#">E, E, N, Pi</a>	X	E1	Project in Biomedical Engineering	X	<a href="#">KS KE U W T</a>	1			
<a href="#">BMEN25</a>			<a href="#">BME</a>				X		1			
<a href="#">BMEN25</a>			<a href="#">E</a>				X			2		
<a href="#">BMEN25</a>			<a href="#">BME, E, N, Pi</a>				X			2		
<a href="#">BMEN25</a>			<a href="#">BME</a>				X				3	
<a href="#">BMEN25</a>			<a href="#">E, E, N, Pi</a>				X				3	
<a href="#">BMEN25</a>			<a href="#">E</a>				X					4

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links				
				S.Ex. stud.				20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4	
<a href="#">BMEN25</a>			<a href="#">BME, E, N, Pi</a>				X					4
<a href="#">EEMF15</a>	7.5	G2	<a href="#">BME</a>	-	S	Sensors and Measurements		<a href="#">KS KE U W T</a>	1			
<a href="#">BMEF10</a>	7.5	G2	<a href="#">D, E, IEA, N</a>	-	S	Transducer Technology	X	<a href="#">KS KE U W T</a>	1			
<a href="#">BMEF10</a>			<a href="#">BME, E</a>						1			
<a href="#">EITA01</a>	12	G1	<a href="#">BME</a>	-	S	Introduction to Biomedical Engineering		<a href="#">KS KE U W T</a>	1	2		
<a href="#">EEMF05</a>	7.5	G2	<a href="#">E, F, N, Pi</a>	X	E1	Biomedical Measurements	X	<a href="#">KS KE U W T</a>		2		
<a href="#">EEMF05</a>			<a href="#">BME, D</a>				X			2		

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	20/21	20/21	20/21	20/21
									sp1	sp2	sp3	sp4
<a href="#">EEMF10</a>	5	G2	<a href="#">BME</a>	X	E1	Clinical Chemical Diagnostics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>		2		
<a href="#">EEMN10</a>	7.5	A	<a href="#">BME</a> , <a href="#">D</a> , <a href="#">E</a> , <a href="#">E</a> , <a href="#">N</a>	X	E1	Computerised Measurement Systems	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		
<a href="#">EEMN05</a>	7.5	A	<a href="#">BME</a> , <a href="#">D</a> , <a href="#">E</a> , <a href="#">E</a> , <a href="#">N</a>	X	E1	EMC, Noise and Noise Reduction		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		
<a href="#">BMEN15</a>	7.5	A	<a href="#">BME</a> , <a href="#">C</a> , <a href="#">D</a> , <a href="#">E</a> , <a href="#">E</a> , <a href="#">MWIR</a> , <a href="#">Pi</a> , <a href="#">MMSR</a>	X	E	Signal Separation - Independent Components		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		
<a href="#">BMEN10</a>	7.5	A	<a href="#">BME</a> , <a href="#">E</a> , <a href="#">MD</a> , <a href="#">N</a> , <a href="#">Pi</a>	X	E	Tissue Biomechanics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2		
<a href="#">EEMA01</a>	9	G1	<a href="#">BME</a>	-	S	Biomedical Design		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>		2	3	
<a href="#">ETIF20</a>	5	G2	<a href="#">BME</a>	-	S	E-health		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>			3	

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links						
				S.Ex. stud.				20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4			
<a href="#">ESSF10</a>	5	G2	<a href="#">E</a>	-	S	Electrical Measurements		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	
<a href="#">ESSF10</a>			<a href="#">D</a>										3	
<a href="#">BMEF20</a>	7.5	G2	<a href="#">BME</a> , <a href="#">E</a> , <a href="#">N</a> , <a href="#">Pi</a>	-	E	Neuroengineering		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">T</a>		3	
<a href="#">BMEN20</a>	7.5	A	<a href="#">BME</a> , <a href="#">C</a> , <a href="#">D</a> , <a href="#">E</a> , <a href="#">E</a> , <a href="#">MSOC</a> , <a href="#">MWIR</a> , <a href="#">Pi</a> , <a href="#">MMSR</a>	X	E1	Project Course in Signal Processing – from Idea to App		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	
<a href="#">BMEF15</a>	7.5	G2	<a href="#">N</a>	-	E1	Sensors		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	
<a href="#">MVKF20</a>	5	G2	<a href="#">BME</a>	-	S	Transport Phenomena in the Human Body		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	
<a href="#">EEMN15</a>	7.5	A	<a href="#">BME</a> , <a href="#">D</a> , <a href="#">E</a> , <a href="#">E</a> , <a href="#">N</a>	X	E1	Ultrasound Physics and Technology	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links			
								20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4
<a href="#">BMEF01</a>	5	G2	<a href="#">E</a>	-	S	Project in Electronics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>			3	4
<a href="#">BMEN01</a>	7.5	A	<a href="#">D</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">Pi</a>	X	E1	Biomedical Signal Processing	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">BMEN01</a>			<a href="#">BME</a> , <a href="#">C</a>								4
<a href="#">BMEF05</a>	4.5	G2	<a href="#">F</a>	-	S	Electrical Measurements	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">EEMN26</a>	7.5	A	<a href="#">B</a> , <a href="#">BME</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">N</a>	X	E1	Lab-on-a-chip in Biomedical Applications	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">EEMN01</a>	7.5	A	<a href="#">BME</a> , <a href="#">D</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">MNAV</a> , <a href="#">MSOC</a> , <a href="#">N</a>	X	E1	Micro Sensors	X <a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4
<a href="#">ETIF10</a>	7.5	G2	<a href="#">BME</a> , <a href="#">C</a> , <a href="#">D</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">Pi</a>	X	E1	Signal Processing - Design and Implementation	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4

Course Code	Credits	Cycle		Programme	Language		Course Name	Footnote	Links					
					S.Ex. stud.				20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4		
<a href="#">BMEF25</a>	6	G2	<a href="#">Pi</a>		-	S	Signal Processing - Theory and Applications		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	4
<a href="#">BMEA05</a>	7.5	G1	<a href="#">BME</a>		-	S	Signals and Systems		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">T</a>		4

[BMEN05](#) (E, M, MD) Biomechanics: *Replaces the course [FHLF05](#).*

[EEMN21](#) (E) Introduction to Microfluidics and Lab-on-a-chip Systems: *Replaces [EEM055](#) Microfluidics*

[BMEN25](#) (BME, E, E, N, Pi) Project in Biomedical Engineering: *The course starts only after agreement with the department. The course is not linked to any specific study period. The information on hours depends on the course running over a study period. Individual study plans are to be set up and approved.*

[BMEF10](#) (E) Transducer Technology: *Re-examination set by agreement.*

[BMEF10](#) (IEA) Transducer Technology: *The course will be held in Lund.*

[EEMF05](#) (D, E, F, N) Biomedical Measurements: *Reexam date to be set by agreement.*

[EEMF05](#) (Pi) Biomedical Measurements: *Retake date to be set by agreement.*

[EEMN10](#) (E) Computerised Measurement Systems: *Re-examination set by agreement.*

[EEMN15](#) (D, E, F, N) Ultrasound Physics and Technology: *Re-examination set by agreement.*

[EEMN01](#) (D, E, MSOC, N) Micro Sensors: *Re-examination set by agreement*

[EEMN01](#) (E) Micro Sensors: *Re-examination set by agreement.*

## Engineering Geology



Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	20/21	20/21	20/21	20/21
									sp1	sp2	sp3	sp4
<a href="#">VTGA01</a>	4	G1	<a href="#">V</a>	-	S	Engineering Geology	<a href="#">KS KE U W T</a>	1				
<a href="#">VTGN01</a>	7.5	A	<a href="#">V, W</a>	X	E	Field Investigation Methodology	<a href="#">KS KE U W T</a>	1				
<a href="#">VTGN10</a>	7.5	A	<a href="#">MWLU, V, W</a>	X	E	Groundwater Engineering	<a href="#">KS KE U W T</a>		2			
<a href="#">VTGN05</a>	7.5	A	<a href="#">MWLU, V, W</a>	X	E	Groundwater Modelling and Contaminant Transport	<a href="#">KS KE U W T</a>			3		
<a href="#">VTGA05</a>	5	G1	<a href="#">W</a>	-	S	Engineering Geology	<a href="#">KS KE U W T</a>					4
<a href="#">VTGF05</a>	6	G2	<a href="#">BI</a>	-	S	Geotechnology	<a href="#">KS KE U T</a>					4
<a href="#">VTGF01</a>	7.5	G2	<a href="#">V</a>	-	S	Rock Mechanics and Construction	<a href="#">KS KE U W T</a>					4

## Industrial Electrical Engineering and Automation

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links			
				S.Ex. stud.				20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4
<a href="#">EIEN41</a>	7.5	A	<a href="#">MD</a>	X	E1	Electric and Electric Hybrid Vehicle Technology	<a href="#">KS KE U W T</a>	1			
<a href="#">EIEN41</a>			<a href="#">E, F, M</a>					1			
<a href="#">EIEN15</a>	7.5	A	<a href="#">E, F, M</a>	X	E1	Electric Power Systems	<a href="#">KS KE U W T</a>	1			
<a href="#">EIEN45</a>	10	A	<a href="#">D</a>	X	E1	Applied Mechatronics	<a href="#">KS KE U W T</a>	1	2		
<a href="#">EIEN45</a>			<a href="#">BME, E, F, M, MD</a>					1	2		
<a href="#">EIEF20</a>	7.5	G2	<a href="#">IEA</a>	-	S	Automation, Advanced Course	<a href="#">KS KE U W T</a>	1	2		
<a href="#">EIEF35</a>	9	G2	<a href="#">MD</a>	-	S	Electrical Engineering, Basic Course	<a href="#">KS KE U W T</a>	1	2		

Course Code	Credits	Cycle	Programme	Language		S.Ex. stud.	Course Name	Footnote	Links	20/21	20/21	20/21	20/21
										sp1	sp2	sp3	sp4
<a href="#">EIEE35</a>			<a href="#">M</a>							1	2		
<a href="#">EIEF40</a>	9	G2	<a href="#">E, M</a>		X	E1	Measurement Systems for Control	X	<a href="#">KS KE U W T</a>	1	2		
<a href="#">EIEF25</a>	11	G2	<a href="#">IEA</a>		-	S	Project in Automation		<a href="#">KS KE U W T</a>	1	2		
<a href="#">EIEN30</a>	7.5	A	<a href="#">D, E, M</a>		X	E1	Project in Industrial Electrical Engineering and Automation		<a href="#">KS KE U W T</a>	1	2		
<a href="#">EIEN30</a>			<a href="#">D, E, M</a>									3	4
<a href="#">EIEF10</a>	7.5	G2	<a href="#">IEA</a>		-	S	Power Electronics		<a href="#">KS KE U W T</a>		2		
<a href="#">EIEF05</a>	7.5	G2	<a href="#">IEA</a>		-	S	Power Engineering		<a href="#">KS KE U W T</a>		2		
<a href="#">EIEN10</a>	7.5	A	<a href="#">E, F, M, W</a>		X	E1	Wind Power Systems	X	<a href="#">KS KE U W T</a>	Course on hold			

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links						
								20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4			
<a href="#">EIEN50</a>	7.5	A	<a href="#">D, E, E, I, M, MPRR</a>	X	E1	Automation		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	
<a href="#">ESSF15</a>	5	G2	<a href="#">E, W</a>	-	S	Electrical Engineering		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	
<a href="#">EIEF30</a>	7.5	G2	<a href="#">IEA</a>	-	S	Automatic Control		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	4
<a href="#">EIEF30</a>			<a href="#">IDA</a>										3	4
<a href="#">EIEF06</a>	7.5	G2	<a href="#">IEA</a>	-	S	Automation	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	4
<a href="#">EIEN20</a>	7.5	A	<a href="#">E, M</a>	X	E1	Design of Electrical Machines	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	Course on hold	
<a href="#">EIEF10</a>	7.5	G2	<a href="#">IEA</a>	-	S	Electrical Machines and Drives		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	4
<a href="#">EIEN01</a>	10	A	<a href="#">D, E, M, MD</a>	X	E1	Mechatronics, Industrial Product Design		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3	4

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links							
								20/21 sp1	20/21 sp2	20/21 sp3	20/21 sp4				
<a href="#">EIEN25</a>	15	A	<a href="#">E, M</a>	X	E1	Power Electronics - Devices, Converters, Control and Applications	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>		3	4
<a href="#">EIEN35</a>	7.5	A	<a href="#">E</a>	X	E1	Automation for Complex Systems		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>			4
<a href="#">EIEN35</a>			<a href="#">D, E, I, M</a>												4

[EIEF40](#) ([E](#), [M](#)) Measurement Systems for Control: *Exam date to be set by agreement. The course is offered every other academic year and will next be offered 2020/21.*

[EIEN10](#) ([E](#), [F](#), [M](#), [W](#)) Wind Power Systems: *The course is not offered 2020/21.*

[EIEF06](#) ([IEA](#)) Automation: *Exam in March*

[EIEN20](#) ([E](#)) Design of Electrical Machines: *The course is offered every other academic year and will be offered in 2019/20, 2021/22.*

[EIEN20](#) ([M](#)) Design of Electrical Machines: *The course is offered every other academic year and will be given in 2019/20, 2021/22.*

[EIEN25](#) ([E](#), [M](#)) Power Electronics - Devices, Converters, Control and Applications: *may not be included in a degree together with [ETEF10](#)*

## Bachelor's Projects of the Department

The list contains the bachelor's projects which are given by the department and which programme each bachelor's project is included in.

### Links

Course Code	Credits	Programme	Course Name	Links
BMEL01	15	<a href="#">E, F, N, Pi</a>	Bachelor Project in Biomedical Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
EEML05	15	<a href="#">BME</a>	Bachelor Project in Clinical Innovation	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
EEML01	15	<a href="#">E, F, N</a>	Bachelor Project in Electrical Measurements	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VTGL01	15	<a href="#">V, W</a>	Bachelor Project in Engineering Geology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
EIEL01	15	<a href="#">E, F</a>	Bachelor Project in Industrial Electrical Engineering and Automation	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>

## Degree Projects of the Department

The list contains the degree projects which are given by the department and which programme each degree project is included in.

### Links

Course Code	Credits	Programme	Course Name	Links
BMEM01	30	<a href="#">BME, E, F, N, Pi</a>	Degree Project in Biomedical Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
BMEM05	30	<a href="#">BME, D, E, F, N</a>	Degree Project in Electrical Measurements	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
VTGM01	30	<a href="#">MWLU</a>	Degree Project in Engineering Geology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VTGM05	30	<a href="#">V, W</a>	Degree Project in Engineering Geology	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
EIEL05	22.5	<a href="#">IDA, IEA</a>	Degree Project in Industrial Electrical Engineering and Automation	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
EIEM01	30	<a href="#">D, E, F, I, M</a>	Degree Project in Industrial Electrical Engineering and Automation	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>

[VTGM01](#) ([MWLU](#)) Degree Project in Engineering Geology: *The course is given in English*