

## Biomedical Engineering

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	17/18 sp1				17/18 sp2				17/18 sp3				17/18 sp4															
				S.Ex. stud.					F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S								
<a href="#">BMEN05</a>	7.5	A	<a href="#">E, E, M, MD, N, Pi</a>	X	E	Biomechanics	X	<a href="#">KS KE U W T</a>	32	8	0	10	110																							
<a href="#">BMEN05</a>			<a href="#">BME</a>											32	4	4	10	110																		
<a href="#">EEMN21</a>	7.5	A	<a href="#">BME, E, E, N</a>	X	E1	Introduction to Microfluidics and Lab-on-a-chip Systems	X	<a href="#">KS KE U W T</a>	20	4	12	16	148																							
<a href="#">EEMF15</a>	7.5	G2	<a href="#">BME</a>	-	S	Sensors and Measurements		<a href="#">KS KE U W T</a>	14	14	20	0	120																							
<a href="#">BMEF10</a>	7.5	G2	<a href="#">BME, D, E, E, IEA, N</a>	-	S	Transducer Technology	X	<a href="#">KS KE U W T</a>	42	0	12	0	146																							
<a href="#">EITA01</a>	12	G1	<a href="#">BME</a>	-	S	Introduction to Biomedical Engineering		<a href="#">KS KE U W T</a>	38	28	0	0	104	28	28	0	1	88																		
<a href="#">EEMF05</a>	7.5	G2	<a href="#">BME, D, E, E, N, Pi</a>	X	E1	Biomedical Measurements	X	<a href="#">KS KE U W T</a>						42	0	28	0	130																		
<a href="#">EEMF10</a>	5	G2	<a href="#">BME</a>	X	E1	Clinical Chemical Diagnostics		<a href="#">KS KE U T</a>						30	6	7	0	90																		
<a href="#">EEMN10</a>	7.5	A	<a href="#">BME, D, E, E, N</a>	X	S	Computerised Measurement Systems	X	<a href="#">KS KE U W T</a>						0	28	12	60	85																		
<a href="#">EEMN05</a>	7.5	A	<a href="#">BME, D, E, F</a>	X	E1	EMC, Noise and Noise Reduction		<a href="#">KS KE U W T</a>						14	14	12	60	85																		
<a href="#">EITN60</a>	7.5	A	<a href="#">BME, C, D, E, E, MWIR, Pi</a>	X	E	Optimum and Adaptive Signal Processing		<a href="#">KS KE U W T</a>						16	28	8	0	148																		
<a href="#">BMEN10</a>	7.5	A	<a href="#">BME, F, MD, N, Pi</a>	X	E	Tissue Biomechanics		<a href="#">KS KE U W T</a>						24	0	20	0	100																		
<a href="#">EEMA01</a>	9	G1	<a href="#">BME</a>	-	S	Biomedical Design		<a href="#">KS KE U W T</a>						16	10	0	6	50	36	9	0	14	100													
<a href="#">ETIF20</a>	5	G2	<a href="#">BME</a>	-	S	E-health		<a href="#">KS KE U T</a>											26	0	0	4	103													
<a href="#">ESSF10</a>	5	G2	<a href="#">D, E</a>	-	S	Electrical Measurements		<a href="#">KS KE U W T</a>											6	20	20	3	70													
<a href="#">BMEF15</a>	7.5	G2	<a href="#">N</a>	-	E1	Sensors		<a href="#">KS KE U W T</a>											14	14	20	0	120													
<a href="#">MVKF20</a>	5	G2	<a href="#">BME</a>	-	S	Transport Phenomena in the Human Body		<a href="#">KS KE U W T</a>											14	14	0	0	105													
<a href="#">EEMN15</a>	7.5	A	<a href="#">BME, D, E, E, N</a>	X	E1	Ultrasound Physics and Technology	X	<a href="#">KS KE U W T</a>											28	14	28	0	66													
<a href="#">BMEA01</a>	6	G1	<a href="#">E, MD, N, W</a>	-	S	Medicine for Engineers	X	<a href="#">KS KE U W T</a>											36	0	0	0	40	36	0	0	0	40								
<a href="#">BMEF01</a>	5	G2	<a href="#">E</a>	-	S	Project in Electronics		<a href="#">KS KE U W T</a>											14	4	0	4	10	6	10	0	10	142								
<a href="#">BMEN01</a>	7.5	A	<a href="#">BME, C, D, E, E, Pi</a>	X	E1	Biomedical Signal Processing		<a href="#">KS KE U W T</a>																14	14	0	7	165								
<a href="#">BMEF05</a>	4.5	G2	<a href="#">F</a>	-	S	Electrical Measurements		<a href="#">KS KE U W T</a>																6	8	20	0	86								

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	17/18	17/18	17/18	17/18												
				S.Ex. stud.					sp1	sp2	sp3	sp4												
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	
<a href="#">EEMN26</a>	7.5	A	<a href="#">BME, F, N</a>	X	E1	Lab-on-a-chip in Biomedical Applications		<a href="#">KS KE U W T</a>					14	14	20	10	142							
<a href="#">EEMN01</a>	7.5	A	<a href="#">BME, D, E, E, MSOC, N</a>	X	E1	Micro Sensors	X	<a href="#">KS KE U W T</a>					14	0	28	60	108							
<a href="#">ETIF10</a>	7.5	G2	<a href="#">BME, C, D, E, E, Pi</a>	X	E1	Signal Processing - Design and Implementation		<a href="#">KS KE U W T</a>					22	22	8	0	148							

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

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

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

[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) Ultrasound Physics and Technology: *Re-examination set by agreement.*

[BMEA01](#) (E, MD, N, W) Medicine for Engineers: *The course is offered every other academic year and will be given in 2017/18, 2019/20.*

[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	Language		Course Name	Footnote	Links	17/18				17/18				17/18				17/18							
				S.Ex. stud.					sp1	sp2	sp3	sp4	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F
<a href="#">VTGA01</a>	4	G1	<a href="#">Y</a>	-	S	Engineering Geology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	14	8	0	57															
<a href="#">VTGN01</a>	7.5	A	<a href="#">V</a> , <a href="#">W</a>	X	E	Field Investigation Methodology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	22	24	20	4	130															
<a href="#">VTGN10</a>	7.5	A	<a href="#">MWLU</a> , <a href="#">V</a> , <a href="#">W</a>	X	E	Groundwater Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>						46	30	0	0	124										
<a href="#">VTGN05</a>	7.5	A	<a href="#">MWLU</a> , <a href="#">V</a> , <a href="#">W</a>	X	E	Groundwater Modelling and Contaminant Transport		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>											20	34	0	12	134					
<a href="#">VTGA05</a>	5	G1	<a href="#">W</a>	-	S	Engineering Geology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>																32	16	16	0	80
<a href="#">VTGF05</a>	6	G2	<a href="#">BI</a>	-	S	Geotechnology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>																30	11	8	0	110
<a href="#">VTGF01</a>	7.5	G2	<a href="#">Y</a>	-	S	Rock Mechanics and Construction		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>																32	18	12	2	136

## Industrial Electrical Engineering and Automation

Course Code	Credits	Cycle	Programme	Language		Course Name	Footnote	Links	17/18 sp1				17/18 sp2				17/18 sp3				17/18 sp4							
				S.Ex. stud.					F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
<a href="#">EIEN15</a>	7.5	A	<a href="#">E, F, M</a>	X	E1	Electric Power Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	16	22	8	7	110															
<a href="#">EIEN40</a>	7.5	A	<a href="#">E, M, MD</a>	X	E1	Hybrid Vehicle Drive Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	28	6	0	24	142															
<a href="#">EIEF01</a>	10	G2	<a href="#">BME, D, E, F, M, MD, Pi</a>	X	E1	Applied Mechatronics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	22	0	12	8	90	14	4	12	14	90										
<a href="#">EIEF20</a>	7.5	G2	<a href="#">IEA</a>	-	S	Automation, Advanced Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	14	14	8	0	64	14	14	8	0	64										
<a href="#">EIEF35</a>	9	G2	<a href="#">MD</a>	-	S	Electrical Engineering, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	32	18	8	0	40	32	20	8	0	80										
<a href="#">EIEF35</a>			<a href="#">M</a>						32	18	8	0	40	32	20	8	1	80										
<a href="#">EIEF40</a>	9	G2	<a href="#">E, M</a>	X	E1	Measurement Systems for Control	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="#">EIEF25</a>	11	G2	<a href="#">IEA</a>	-	S	Project in Automation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	16	20	4	10	43	4	4	0	28	164										
<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</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	0	0	0	21	88	0	0	0	21	88										
<a href="#">EIEN30</a>			<a href="#">D, E, M</a>																0	0	0	21	88	0	0	0	21	88
<a href="#">EIEF10</a>	7.5	G2	<a href="#">IEA</a>	-	S	Power Electronics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>						28	28	8	0	136										
<a href="#">EIEF05</a>	7.5	G2	<a href="#">IEA</a>	-	S	Power Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>						28	28	8	0	136										
<a href="#">EIEN10</a>	7.5	A	<a href="#">E, F, M, W</a>	X	E1	Wind Power Systems		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>						28	10	8	16	110										
<a href="#">EIEF45</a>	7.5	G2	<a href="#">D, E, F, I, M</a>	X	E1	Automation		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>											42	10	12	8	135					
<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>											40	24	8	1	60					
<a href="#">EIEF30</a>	7.5	G2	<a href="#">IDA, 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>											14	14	16	0	56	22	14	16	0	48
<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>											14	14	12	0	60	14	14	12	0	60
<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>											28	0	0	21	30	0	0	0	21	60
<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>											14	28	4	0	46	14	28	4	0	46
<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>											0	0	0	14	120	0	0	0	14	120
<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>											28	32	12	7	100	28	28	12	10	100
<a href="#">EIEN35</a>	7.5	A	<a href="#">D, E, F, I, M</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>																42	0	60	20	70

[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 in 2018/19.

[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 2017/18, 2019/20.

[EIEN20](#) ([M](#)) Design of Electrical Machines: The course is offered every other academic year and will be given in 2017/18, 2019/20.

[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</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">N</a> , <a href="#">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</a> , <a href="#">D</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">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</a> , <a href="#">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</a> , <a href="#">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</a> , <a href="#">E</a> , <a href="#">F</a> , <a href="#">I</a> , <a href="#">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>