Biomedical Engineering

Course Code	Credits	Cycle	Programme	Language S.Ex. stud.		Course Name	Footnote	Links	19/20 sp1					19/20 sp2					19/20 sp3					19/20 sp4				
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
BMEN05	7.5	A	E, F, M, MD, N, Pi	X	E	Biomechanics	X	KS KE U W T	32	8	0	10	110															
BMEN05			BME						32	4	4	10	110															
EEMN21	7.5	A	BME, E, F, N	X	E1	Introduction to Microfluidics and Lab-on-a-chip Systems	X	KS KE U W T	20	4	12	16	148															
EITN60	7.5	A	BME, C, D, E, F, MWIR, Pi	X	E	Optimum and Adaptive Signal Processing		KS KE U W T	16	28	8	0	148															
EEMF15	7.5	G2	BME	-	S	Sensors and Measurements		KS KE U W T	14	14	22	0	150															
BMEF10	7.5	G2	BME, D, E, F, IEA, N	-	S	Transducer Technology	X	KS KE U W T	42	0	12	0	146															
EITA01	12	G1	BME	-	S	Introduction to Biomedical Engineering		KS KE U W T	38	28	0	0	104	28	28	0	1	88										
EEMF05	7.5	G2	D	X	E1	Biomedical Measurements	X	KS KE U W T						42	0	28	0	130										
EEMF05			BME, E, F, N, Pi				X							42	0	28	0	130										
EEMF10	5	G2	BME	X	E1	Clinical Chemical Diagnostics		KS KE U T						30	6	7	0	90										
EEMN10	7.5	A	BME, D, E, F, N	X	E1	Computerised Measurement Systems	X	KS KE U W T						0	28	12	60	85										
EEMN05	7.5	A	BME, D, E, F	X	E1	EMC, Noise and Noise Reduction		KS KE U W T						14	14	12	60	85										
BMEN15	7.5	A	BME, C, D, E, F, MWIR, Pi	X	E	Signal Separation - Independent Components		KS KE U W T						14	28	8	0	150										
BMEN10	7.5	A	BME, F, MD, N, Pi	X	E	Tissue Biomechanics		KS KE U W T						24	0	20	0	100										
EEMA01	9	G1	BME	-	S	Biomedical Design		KS KE U W T						16	10	0	6	50	36	9	0	14	100					
ETIF20	5	G2	BME	-	S	E-health		KS KE U T											26	0	0	4	103					
ESSF10	5	G2	D, E	-	S	Electrical Measurements		KS KE U W T											6	20	20	3	70					
BMEF20	7.5	G2	BME, F, N, Pi	-	E	Neuroengineering		KS KE U T											28	0	12	2	158					
BMEN20	7.5	A	BME, C, D, E, F, MSOC, MWIR, Pi	X	E1	Project Course in Signal Processing – from Idea to App		KS KE U W T											8	0	12	8	172					
BMEF15	7.5	G2	N	-	E1	Sensors		KS KE U W T											14	14	22	0	118					

Course Code	Credits	Cycle	Programme	Language S.Ex. stud.	Language	Course Name	Footnote	Links	19/20 sp1					19/20 sp2					19/20 sp3					19/20 sp4				
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
MVKF20	5	G2	BME	-	S	Transport Phenomena in the Human Body		KS KE U W T											14	14	0	0	105					
EEMN15	7.5	A	BME, D, E, F, N	X	E1	Ultrasound Physics and Technology	X	KS KE U W T											28	14	28	0	66					
BMEA01	6	G1	E	-	S	Medicine for Engineers	X	KS KE U W T											36	0	0	0	40	36	0	0	0	40
BMEA01			B, I, K, MD, N, W				X												36	0	0	0	40	36	0	0	0	40
BMEF01	5	G2	E	-	S	Project in Electronics		KS KE U W T											14	4	0	4	10	6	10	0	10	142
BMEN01	7.5	A	C	X	E1	Biomedical Signal Processing		KS KE U W T																14	14	0	7	165
BMEN01			BME, D, E, F, Pi																					14	14	0	7	165
BMEF05	4.5	G2	F	-	S	Electrical Measurements		KS KE U W T																14	10	20	0	76
EEMN26	7.5	A	B, BME, E, F, N	X	E1	Lab-on-a-chip in Biomedical Applications		KS KE U W T																28	0	8	0	170
EEMN01	7.5	A	BME, D, E, F, MSOC, N	X	E1	Micro Sensors	X	KS KE U W T																14	0	28	60	108
ETIF10	7.5	G2	BME, C, D, E, F, Pi	X	E1	Signal Processing - Design and Implementation		KS KE U W T																22	22	8	0	148
BMEF25	6	G2	Pi	-	S	Signal Processing - Theory and Applications		KS KE U W T																24	16	16	0	104

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.*
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.*
BMEA01 (B, E, I, K, MD, N, W) Medicine for Engineers: *The course is offered every other academic year and will be given in 2019/20, 2021/22.*
EEMN01 (D, F, 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	19/20 sp1					19/20 sp2					19/20 sp3					19/20 sp4				
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
VTGA01	4	G1	V	-	S	Engineering Geology		KS KE U W T	28	14	8	0	57															
VTGN01	7.5	A	V, W	X	E	Field Investigation Methodology		KS KE U W T	22	24	20	4	130															
VTGN10	7.5	A	MWLU, V, W	X	E	Groundwater Engineering		KS KE U W T						46	28	1	0	125										
VTGN05	7.5	A	MWLU, V, W	X	E	Groundwater Modelling and Contaminant Transport		KS KE U W T											20	34	0	12	134					
VTGA05	5	G1	W	-	S	Engineering Geology		KS KE U W T																32	16	16	0	80
VTGF05	6	G2	BI	-	S	Geotechnology		KS KE U T																30	16	8	0	106
VTGF01	7.5	G2	V	-	S	Rock Mechanics and Construction		KS KE U W T																32	18	12	2	136

Industrial Electrical Engineering and Automation

Course Code	Credits	Cycle	Programme	Language S.Ex. stud.	Language	Course Name	Footnote	Links	19/20 sp1					19/20 sp2					19/20 sp3					19/20 sp4				
									F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
EIEN41	7.5	A	E, F, M, MD	X	E1	Electric and Electric Hybrid Vehicle Technology		KS KE U W T	28	6	0	24	142															
EIEN15	7.5	A	E, F, M	X	E1	Electric Power Systems		KS KE U W T	16	22	8	7	110															
EIEN45	10	A	D	X	E1	Applied Mechatronics		KS KE U W T	22	0	12	8	90	14	4	12	14	90										
EIEN45			BME, E, F, M, MD						22	0	12	8	90	14	4	12	14	90										
EIEF20	7.5	G2	IEA	-	S	Automation, Advanced Course		KS KE U W T	14	14	8	0	64	14	14	8	0	64										
EIEF35	9	G2	MD	-	S	Electrical Engineering, Basic Course		KS KE U W T	32	18	8	0	40	32	20	8	0	80										
EIEF35			M						32	18	8	0	40	32	20	8	1	80										
EIEF40	9	G2	E, M	X	E1	Measurement Systems for Control	X	KS KE U W T	**Course on hold**																			
EIEF25	11	G2	IEA	-	S	Project in Automation		KS KE U W T	16	20	4	10	43	4	4	0	28	164										
EIEN30	7.5	A	D, E, M	X	E1	Project in Industrial Electrical Engineering and Automation		KS KE U W T	0	0	0	21	88	0	0	0	21	88										
EIEN30			D, E, M																0	0	0	21	88	0	0	0	21	88
ETEF10	7.5	G2	IEA	-	S	Power Electronics		KS KE U W T						28	28	8	0	136										
ETEF05	7.5	G2	IEA	-	S	Power Engineering		KS KE U W T						28	28	8	0	136										
EIEN10	7.5	A	E, F, M, W	X	E1	Wind Power Systems		KS KE U W T						28	10	8	16	110										
EIEF45	7.5	G2	D, E, F, I, M, MPRR	X	E1	Automation		KS KE U W T											42	10	12	8	135					
ESSF15	5	G2	E, W	-	S	Electrical Engineering		KS KE U W T											40	24	8	1	60					
EIEF30	7.5	G2	IEA	-	S	Automatic Control		KS KE U W T											14	14	16	0	56	22	14	16	0	48
EIEF30			IDA																14	14	16	0	56	22	14	16	0	48
EIEF06	7.5	G2	IEA	-	S	Automation	X	KS KE U W T											14	14	12	0	60	14	14	12	0	60
EIEN20	7.5	A	E, M	X	E1	Design of Electrical Machines	X	KS KE U W T											28	0	0	21	30	0	0	0	21	60
EIEF10	7.5	G2	IEA	-	S	Electrical Machines and Drives		KS KE U W T											14	28	4	0	46	14	28	4	0	46
EIEN01	10	A	D, E, M, MD	X	E1	Mechatronics, Industrial Product Design		KS KE U W T											0	0	0	14	120	0	0	0	14	120
EIEN25	15	A	E, M	X	E1	Power Electronics - Devices, Converters, Control and Applications	X	KS KE U W T											28	32	12	7	100	28	28	12	10	100
EIEN35	7.5	A	E	X	E1	Automation for Complex Systems		KS KE U W T																42	0	60	20	70
EIEN35			D, F, I, M																					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 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**	
BMEL01	15	E, F, N, Pi	Bachelor Project in Biomedical Engineering	KS KE U
EEML05	15	BME	Bachelor Project in Clinical Innovation	KS KE U
EEML01	15	E, F, N	Bachelor Project in Electrical Measurements	KS KE U
VTGL01	15	V, W	Bachelor Project in Engineering Geology	KS KE U
EIEL01	15	E, F	Bachelor Project in Industrial Electrical Engineering and Automation	KS KE U

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**	
BMEM01	30	BME, E, F, N, Pi	Degree Project in Biomedical Engineering	KS KE U W
BMEM05	30	BME, D, E, F, N	Degree Project in Electrical Measurements	KS KE U W
VTGM01	30	MWLU	Degree Project in Engineering Geology	KS KE U
VTGM05	30	V, W	Degree Project in Engineering Geology	KS KE U
EIEL05	22.5	IDA, IEA	Degree Project in Industrial Electrical Engineering and Automation	KS KE U
EIEM01	30	D, E, F, I, M	Degree Project in Industrial Electrical Engineering and Automation	KS KE U W

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