

Building Materials

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	19/20	19/20	19/20	19/20
									sp1	sp2	sp3	sp4
VBMA35	6	G1	IBYA	-	S	Building Materials	KS KE U T	1				
VBMN05	7.5	A	V	-	S	Moisture Safety in the Building Process	KS KE U T	1				
VBMA25	5	G1	BI	-	S	Building Materials	KS KE U T		2			
VBMA05	3	G1	A	-	S	Building Materials	KS KE U W T				3	
VBMA30	6	G1	V	-	S	Building Materials	KS KE U T				3	
VBMN10	7.5	A	V	-	S	Concrete in a Life-cycle Perspective	KS KE U T				3	
VBME05	7.5	G2	V	-	S	Building Material Science	KS KE U T					4

Building Physics

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	19/20	19/20	19/20	19/20
									sp1	sp2	sp3	sp4
VBFA05	4	G1	BI	-	S	Building Technology		KS KE U T	1			
VBFF01	7.5	G2	V	-	S	Energy Efficiency and Indoor Environment		KS KE U W T	1			
VBFF05	7.5	G2	MEMB	X	E	Moisture Safety Design		KS KE U W T	1			
VBEN01	7.5	A	V	-	S	Sustainable Building Technology		KS KE U W T	1			
VBFF10	6	G2	IBYA	-	S	Building Physics		KS KE U W T		2		
VBFA10	6	G1	IBYA	-	S	Building Technology		KS KE U W T		2		
VBMA10	3	G1	A	-	S	Building Technology and Building Physics		KS KE U W T		2		

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	19/20	19/20	19/20	19/20
									sp1	sp2	sp3	sp4
VBEN05	7.5	A	V	-	S	Energy, Air Movements and Moisture at Rebuilding and Administration		KS KE U W T		2		
ABKF01	7.5	G2	L	-	S	Technical Management of Buildings		KS KE U W T		2		
VBFA01	10	G1	V	-	S	Building Technology and Building Services		KS KE U W T			3	4
VBFF15	8	G2	IBYA	-	S	Energy Conservation		KS KE U W T			3	4
VBEN10	7.5	A	V	-	S	Design concerning Energy, Air Movements and Moisture in New Buildings		KS KE U W T				4

Building Services

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
ABKF15	7.5	G2	MEMB	X	E	Life Cycle Perspective and Environmental Impact of Buildings	KS KE U W T	1			
ABKF05	7	G2	IBYA	-	S	Building Services	KS KE U W T			3	
ABKA01	3	G1	A	-	S	Energy and Building Services	KS KE U W T			3	
ABKF10	7.5	G2	MEMB	X	E	Ventilation and Indoor Air Quality	KS KE U W T			3	

Construction Management

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	19/20	19/20	19/20	19/20
									sp1	sp2	sp3	sp4
VBEF30	7.5	G2	IBYA	-	S	Programwork, Social Planning and Building-design		KS KE U W T	1			
VBEF25	7.5	G2	IBYA	-	S	Project Management in Construction		KS KE U W T	1			
VBEF15	7.5	G2	V	-	S	Technique for Construction Management		KS KE U W T	1			
VBEA25	7	G1	IBYA, IBYI, IBYV	-	S	Construction Process and Construction Law		KS KE U W T	1	2		
VBEA30	8	G1	IBYA, IBYI, IBYV	-	S	Communication and Computer Tools	X	KS KE U W T	1	2	3	
VBEF35	7.5	G2	IBYA	-	S	Construction Design and Calculation		KS KE U W T		2		
VBEN25	7.5	A	V	-	S	Construction Logistics and Purchasing		KS KE U T		2		

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	19/20	19/20	19/20	19/20
									sp1	sp2	sp3	sp4
VBEN15	7.5	A	V	-	S	Construction Management	KS KE U T		2			
VBEF40	7.5	G2	IBYA	-	S	Production, Planning and Control	KS KE U W T		2			
VBEF45	7.5	G2	IBYA, IBYI, IBYV	-	S	Model Based Design	KS KE U W T				3	
VBEF01	7.5	G2	IBYI, IBYV, RH, V	-	S	Project Management	KS KE U W T				3	
VBEF10	7.5	G2	L, V	-	S	Real Estate Management	KS KE U W T				3	
VBEA10	5	G1	V	-	S	The Construction Process	KS KE U W T				3	
VBEA05	5	G1	A	-	S	The Construction Process, Basic Course	KS KE U W T				3	

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
MAMF25	7.5	G2	IBYA , IBYI , IBYV	-	S	Working Environment, Trainee Course	KS KE U W T			3	
VBEF05	7.5	G2	L	-	S	Construction Process and Project Management	KS KE U W T				4
VBEN01	7.5	A	L , V	-	S	The Role of the Construction Client	KS KE U W T				4

[VBEA30](#) ([IBYA](#), [IBYI](#), [IBYV](#)) Communication and Computer Tools: *Study period 1 includes a mandatory study strategy seminar.*

Fire Safety Engineering

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	19/20	19/20	19/20	19/20
									sp1	sp2	sp3	sp4
VBRN80	7.5	A	BI, RH	-	S	Advanced Fire Investigation		KS KE U T	1			
VBRN60	15	A	BI	-	S	Fire Protection Systems		KS KE U T	1			
VBRN85	7.5	A	BI, RH	-	S	Advanced CFD		KS KE U T	1	2		
VBRA06	6	G1	BI	-	S	Introduction to Fire Safety Engineering		KS KE U T	1	2		
VBRA10	7.5	G1	BI, RH	-	S	Consequence Analysis	X	KS KE U T	Course on hold			
VBRE20	13	G2	BI	-	S	Fire Chemistry and Heat Transfer		KS KE U T		2		
VBRN65	7.5	A	BI	-	S	Industrial Fire Protection		KS KE U T		2		
VBRN05	9	A	MFST	X	E	Fire Dynamics - Advanced		KS KE U T			3	

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	
VBRN10	8	A	MFST	X	E	Human Behaviour in Fire					3	
VBRN75	7.5	A	BI	-	E	Human Behaviour in Fire					3	
VBRF10	15	G2	BI	-	S	Fire Dynamics					3	4
VBRN70	9	A	BI	-	S	Fire Safety Evaluation					3	4
VBRN16	5	A	MFST	X	E	Simulation of Fires in Enclosures					3	4
VBRA15	4.5	G1	BI	-	S	Introductory Course for Firemen	X					4
VBRN01	8	A	MFST	X	E	Risk Assessment						4

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
VBRN45	7.5	A	BI	-	E1	Risk Assessment in Fire Protection Engineering	KS KE U T				4

[VBRA10](#) ([BI](#), [RH](#)) Consequence Analysis: *The course is offered every other academic year and will next be offered in 2020/21.*

[VBRA15](#) ([BI](#)) Introductory Course for Firemen: *The course is offered in the summer after year 1.*

Risk Management and Societal Safety

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	19/20	19/20	19/20	19/20
									sp1	sp2	sp3	sp4
VRSN45	7.5	A	RH, MKAT	X	E	Critical Infrastructure Resilience		KS KE U T	1			
VBRN55	15	A	MKAT	-	E	Disaster Risk Management and Climate Change Adaptation in Practice		KS KE U T	1			
VRSN05	7.5	A	RH, MKAT	X	E	Foundations for Risk Assessment and Management	X	KS KE U T	1			
VRSN01	7.5	A	BI, RH, MKAT	X	E	Societal Resilience		KS KE U T	1			
VBRN35	7.5	A	RH, MKAT	-	E	Capacity Development		KS KE U T		2		
VRSN11	7.5	A	RH, MKAT	X	E	Introduction to Disaster Response Management	X	KS KE U T		2		
VRSN40	7.5	A	RH, MKAT	X	E	Research Methodology and Methods		KS KE U T		2		

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	
VRSN25	7.5	A	BI , Pi , RH	-	S	Risk Assessment in the Safety Area	X	KS KE U T		2		
VRSN15	7.5	A	RH , MKAT	-	E	Climate Smart Risk Reduction		KS KE U T			3	
VRSN20	7.5	A	MKAT	-	E1	Risk Based Land Use Planning	X	KS KE U T			3	
VRSN30	7.5	A	BI , RH	-	E1	Risk Based Land Use Planning	X	KS KE U T			3	
VBRN40	7.5	A	BI , RH , MKAT	X	E	Preparedness and Planning		KS KE U T				4
VBRN50	15	A	RH	-	S	Risk Management Processes		KS KE U T				4
VRSN35	7.5	A	RH , MKAT	X	E	Risk Perception, Communication and Human Behaviour		KS KE U T				4

[VRSN05](#) (RH) Foundations for Risk Assessment and Management: *Not to be studied by students who have already taken one of the courses [VBR180](#) Risk Analysis Methods or [VBRN45](#) Risk Assessment in Fire Protection Engineering. Only one of the courses [VBRN45](#) Risk Assessment in Fire Protection Engineering and Foundations for Risk Assessment and Management may be included in a degree.*

[VRSN11](#) (RH, MKAT) Introduction to Disaster Response Management: *The course has replaced [VRSN10](#) Direction and Coordination in Disaster Management. Only one of the courses [VRSN11](#) Introduction to disaster response management and [VRSN10](#) Direction and Coordination in Disaster Management may be included in a degree.*

[VRSN25](#) (RH) Risk Assessment in the Safety Area: *Students with a background from the Bachelor program in Fire Protection Engineering within the Faculty of Engineering at Lund University have this course as part of the curriculum in their third year of studies at the Fire Protection Engineering program.*

[VRSN20](#) (MKAT) Risk Based Land Use Planning: *In this course some elements are co-studied with students taking the course [VRSN30](#).*

[VRSN30](#) (BI) Risk Based Land Use Planning: *In this course some elements are co-studied with students taking the course [VRSN20](#).*

[VRSN30](#) (RH) Risk Based Land Use Planning: *Students with a background from the Bachelor program in Fire Protection Engineering within the Faculty of Engineering at Lund University have this course as part of the curriculum in their third year of studies at the Fire Protection Engineering program. In this course some elements are co-studied with students taking the course [VRSN20](#).*

Structural Engineering

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	19/20	19/20	19/20	19/20
									sp1	sp2	sp3	sp4
VBKN30	7.5	A	V	X	E1	Design of Timber Structures	KS KE U W T	1				
VBKN15	7.5	A	V	X	E1	Design of Bridges and Advanced Structures	KS KE U W T	1	2			
VBKE10	6	G2	BI	-	S	Structural Engineering	KS KE U T	1	2			
VBKA05	3	G1	A	-	S	Architectural Design	KS KE U T		2			
VBKN05	7.5	A	V	X	E1	Concrete Structures	KS KE U W T		2			
VBKN10	7.5	A	V	X	E1	Risk Management in Construction Technology Applications	KS KE U W T		2			
VBKN25	7.5	A	V	X	E1	Design of Steel Structures	KS KE U W T				3	

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links		19/20	19/20	19/20	19/20	
								sp1	sp2	sp3	sp4			
VBKF01	7.5	G2	V	-	S	Structural Engineering - Building Systems		KS	KE	U	W	T	3	
VBKF20	7.5	G2	V	-	S	CAD and BIM Applications in Construction		KS	KE	U	W	T	3	4
VBKF15	9	G2	V	-	S	Structural Engineering		KS	KE	U	W	T	3	4

Water Resources Engineering

Course Code	Credits	Cycle	Programme	S.Ex. stud.	Language	Course Name	Footnote	Links	19/20	19/20	19/20	19/20
									sp1	sp2	sp3	sp4
VVRN40	7.5	A	MWLU, V, W	X	E	Environmental Hydraulics	KS KE U W T	1				
VVRE10	7.5	G2	W	X	E	Fluid Mechanics	KS KE U W T	1				
VVRE01	7.5	G2	MWLU, V, W, MKAT	X	E	Integrated Water Resources Management: International Aspects	KS KE U W T	1				
VVRN10	7.5	A	MWLU, V, W	X	E	Rainfall Runoff Modelling	KS KE U W T	1				
VVRA01	15	G1	W	X	E	Hydrology and Aquatic Ecology	KS KE U W T	1	2			
VVRN30	7.5	A	MWLU, V, W	X	E	Coastal Hydraulics	KS KE U W T		2			
VVRN25	7.5	A	MWLU, V, W	X	E	Pipe System Engineering and Hydraulics	KS KE U W T		2			

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					
VVRN35	7.5	A	MWLU, V, W	X	E	Hydromechanics		KS	KE	U	W	T			3	4
VVRA05	9	G1	V	-	S	Water		KS	KE	U	W	T			3	4
VVRE05	7.5	G2	V, W	-	E	International Summer Water Resources Research School	X	KS	KE	U	W	T				4
VVRN20	7.5	A	MWLU, V, W	X	E	Water, Society and Climate Change		KS	KE	U	W	T				4

[VVRE05](#) (W) International Summer Water Resources Research School: *Most of the course is taught outside normal semester time.*

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
VBML01	15	V	Bachelor Project in Building Materials	KS KE U
VBFL01	15	V	Bachelor Project in Building Physics	KS KE U
ABKL01	15	V	Bachelor Project in Building Services	KS KE U
VBEL01	15	L , V	Bachelor Project in Construction Management	KS KE U W
VBKL01	15	V	Bachelor Project in Structural Engineering	KS KE U
VVRL01	15	V , W	Bachelor Project in Water Resources Engineering	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.

Course Code	Credits	Programme	Course Name	Links
VBMM01	30	V	Degree Project in Building Materials	KS KE U W
VBFM01	30	V	Degree Project in Building Physics	KS KE U W
ABKM01	30	V	Degree Project in Building Services	KS KE U
VBEM01	30	L , V	Degree Project in Construction Management	KS KE U W
VMTL01	22.5	IBYA , IBYL , IBYV	Degree Project	KS KE U
VBRM01	22.5	BI	Degree Project in Fire Safety Engineering	KS KE U
VBRM10	30	RH	Degree Project in Fire Safety Engineering	KS KE U
VBRM05	30	MFST	Degree Project in Fire Safety Technology	KS KE U
VBRM15	30	MKAT	Degree Project in Disaster Risk Management and Climate Change Adaptation	KS KE U
VRSM01	30	RH	Degree Project in Risk Management and Safety Engineering	KS KE U
VBKM01	30	V	Degree Project in Structural Engineering	KS KE U
VVRM01	30	MWLU	Degree Project in Water Resources Engineering	KS KE U
VVRM05	30	V , W	Degree Project in Water Resources Engineering	KS KE U W