

# Fire Protection Engineering

## Study Year 1 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	13/14																			
								sp1	sp2			sp3			sp4												
								F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
<a href="#">VBRA05</a>	9	G1	-	S	Introduction to Fire and Risk Engineering		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>	48	24	16	60	92															
<a href="#">EMAA05</a>	15	G1	-	S	Calculus in One Variable		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	50	28	0	0	135	50	28	0	0	109										
<a href="#">VBM012</a>	6	G1	-	S	Building Materials		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>						28	28	12	0	90										
<a href="#">EMA420</a>	6	G1	-	S	Linear Algebra		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>											40	24	0	0	96					
<a href="#">FAFA30</a>	8	G1	-	S	Physics: Electricity – Fluids		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>											40	28	12	0	110					
<a href="#">KOOA05</a>	8	G1	-	S	General Chemistry		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>																42	28	0	0	110
<a href="#">VSMA15</a>	8	G1	-	S	Mechanics, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>																42	42	0	0	129

## Study Year 2 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	13/14																			
								sp1	sp2			sp3			sp4												
								F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S
<a href="#">EMA430</a>	6	G1	-	S	Calculus in Several Variables		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	42	28	2	0	90															
<a href="#">MMVA01</a>	5	G1	-	S	Thermodynamics and Fluid Mechanics, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	22	26	0	0	85															
<a href="#">VBFA05</a>	4	G1	-	S	Building Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>	20	8	0	8	47	4	0	0	0	24										
<a href="#">VBR022</a>	15	G2	-	S	Fire Chemistry and Explosions		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>						66	46	16	0	272										
<a href="#">VBRF10</a>	15	G2	-	S	Fire Dynamics		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>											28	16	24	0	332					
<a href="#">VTGF05</a>	6	G2	-	S	Geotechnology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>																40	20	8	0	90
<a href="#">TNX071</a>	9	G1	-	S	Statistics with Decision Theory		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>																36	20	14	0	70

### Study Year 3 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	13/14 sp1					13/14 sp2					13/14 sp3					13/14 sp4									
								F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S					
<a href="#">VBR082</a>	15	A	-	S	Fire Detection and Suppression		<a href="#">KS KE U</a>	46	4	14	4	132	10	12	16	26	136															
<a href="#">VBR180</a>	15	A	-	S	Risk Analysis Methods		<a href="#">KS KE U</a>	48	10	16	3	123	30	32	14	3	121															
<a href="#">VBR054</a>	15	A	-	S	Fire Safety Evaluation		<a href="#">KS KE U T</a>											20	64	4	3	109	20	64	4	3	109					
<a href="#">EXTA31</a>	6	G1	-	S	Public Organization and Administration		<a href="#">KS KE U W T</a>																27	0	0	0	158					

### Study Year 4 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	13/14 sp1					13/14 sp2					13/14 sp3					13/14 sp4														
								F	O	L	H	S	F	O	L	H	S	F	O	L	H	S	F	O	L	H	S										
<a href="#">VBR110</a>	7.5	A	-	S	Risk Based Land Use Planning		<a href="#">KS KE U T</a>	16	5	0	1	78	4	4	0	1	91																				

### Elective Courses - BI

Course Code	Credits	Cycle Year	Language				Course Name	Footnote	Links	sp1				sp2				sp3				sp4							
			From year	S.Ex. stud.						F	O	L	S	F	O	L	S	F	O	L	S	F	O	L	S				
<a href="#">VBR240</a>	4.5	G1	1	1	-	S	Introductory Course for Firemen	X	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>													10	100	0	0	0			
<a href="#">MIO012</a>	6	G1	3	2	-	S	Managerial Economics, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	50	12	4	1	94															
<a href="#">GEMA20</a>	7.5	G1	3	1	-	E	English for Engineers		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	30	0	0	0	30	20	0	0	0	30										
<a href="#">GEMA25</a>	7.5	G1	3	1	-	S	German for Engineers		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	0	40	0	0	60	0	40	0	0	60										
<a href="#">GEMA50</a>	4.5	G1	3	1	-	S	History of Technology		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	14	0	0	0	40	14	7	0	0	40										
<a href="#">GEMA60</a>	7.5	G1	3	1	-	S	Law for Engineers, Introductory Course in Business Law		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	25	0	0	0	75	25	0	0	0	75										
<a href="#">GEMA70</a>	15	G1	3	3	-	S	Japanese for Engineers		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>	0	20	0	0	90	0	20	0	0	90	0	20	0	0	90					
<a href="#">MIO012</a>	6	G1	3	2	-	S	Managerial Economics, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					50	12	4	1	94											
<a href="#">MAM090</a>	7.5	A	3	3	-	S	People, Technology, Organization and Risk Management		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>					32	14	0	24	138											
<a href="#">VBRA10</a>	7.5	G1	3	3	-	S	Consequence Analysis		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>									26	6	4	0	164							
<a href="#">MIOA01</a>	9	G1	3	3	-	S	Managerial Economics, Basic Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>									60	12	4	1	164							
<a href="#">TEK070</a>	7.5	G2	3	3	-	S	Safety, Health and Environmental Law		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>									30	20	0	0	150							
<a href="#">GEMA65</a>	7.5	G1	3	1	-	S	Chinese for Engineers		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>									0	20	0	0	80	0	20	0	0	80		
<a href="#">GEMA20</a>	7.5	G1	3	1	-	E	English for Engineers		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>									30	0	0	0	30	20	0	0	0	30		
<a href="#">GEMA40</a>	7.5	G1	3	1	-	S	Entrepreneurship and Business Development		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>									23	0	0	5	75	23	0	0	5	75		
<a href="#">GEMA01</a>	7.5	G1	3	1	-	S	French for Engineers: Language, Culture and Society, First Course		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>									0	26	0	0	60	0	26	0	0	60		
<a href="#">GEMA60</a>	7.5	G1	3	1	-	S	Law for Engineers, Introductory Course in Business Law		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>									25	0	0	0	75	25	0	0	0	75		
<a href="#">GEMA55</a>	6	G1	3	1	-	S	Medicine for Engineers		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>									36	0	0	0	40	36	0	0	0	40		
<a href="#">VBRF16</a>	9	G2	3	3	X	E	Simulation of Fires in Enclosures		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>									10	4	0	0	106	10	4	0	0	106		
<a href="#">GEMA45</a>	3	G1	3	1	-	S	Teaching and Learning		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>									0	22	0	0	10	0	2	0	2	40		
<a href="#">VBRN10</a>	8	A	3	3	X	E	Human Behaviour in Fire		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>													26	0	18	4	166			
<a href="#">VBRN30</a>	7.5	A	4	1	X	E	Introduction to Societal Resilience		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>	40	8	0	31	121															
<a href="#">VBRN35</a>	7.5	A	4	4	X	E	Capacity Development		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>					36	12	0	29	123											
<a href="#">VBRN40</a>	7.5	A	4	4	X	E	Preparedness and Planning		<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">T</a>									40	10	0	30	120							

[VBR240](#) Introductory Course for Firemen: *The course is offered in the summer after year 1.*

## Degree Projects - BI

The list contains the degree project courses that are included in the BI programme.

### Links

Course Code	Credits	Course Name	Links
VBRM01	22.5	Degree Project in Fire Safety Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>