

Civil Engineering - Railway Construction

Study Year 1 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	07/08 sp4
EDA602	6	G1	-	S	Communication and Computer Tools		KS KE U W	
AAK630	6	G1	-	S	Social Structure, Introduction		KS KE U	
FMA645	13.5	G1	-	S	Calculus		KS KE U W	
VVB620	6	G1	-	S	Road and Railway Engineering		KS KE U	
VTI612	6	G1	X	S	The Transport Market		KS KE U	
FAF603	7.5	G1	-	S	Physics		KS KE U W	
EMI640	4.5	G1	-	S	Environmental Technology		KS KE U W	1
VGM630	6	G1	-	S	Introduction to Geomatics		KS KE U	1
FMA656	4.5	G1	-	S	Mathematics, Linear Algebra		KS KE U W	1

Study Year 2 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	07/08 sp4
FMS601	4.5	G1	-	S	Mathematical Statistics		KS KE U W	
VVB662	9	G1	-	S	Track and Permanent Way for Engineers		KS KE U	
VFR601	4.5	G1	-	S	Basic Agreement- and Contract Law		KS KE U	
FME602	6	G1	-	S	Structural Mechanics		KS KE U W	
EIE631	12	G2	-	S	Electric Power Systems for Electrified Railway		KS KE U	
ETS605	3	G1	-	S	Telecommunication in Railway Traffic		KS KE U	
VTT622	10.5	G2	-	S	Signalling, Traffic Control and Capacity		KS KE U	1
VVB671	6	G2	-	S	Interaction between Track and Vehicle-trackvehicle Technique		KS KE U	1
VVB645	4.5	G2	-	S	Railway in a European Perspective		KS KE U	1

Study Year 3 (Mandatory Courses)

Course Code	Credits	Cycle	Language			Course Name	Footnote	Links	07/08 sp4
			S.Ex. stud.						
VTVF05	7	G2	X	E2	Forces behind Traffic Generation		KS KE U W		
VVBF01	23	G2	-	S	Railway Planning and Design Methodology		KS KE U		
VVB061	7.5	G2	-	S	Economics for Traffic and Highway Engineering		KS KE U W	1	

Elective Courses - IBYI

Course Code	Credits	Cycle	Language			Course Name	Footnote	Links	sp4
			Year	From year	S.Ex. stud.				
MAM670	7.5	G2	3	3	-	S	Working Environment, Trainee Course	KS KE U W	

Degree Projects - IBYI

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

Links

Course Code Credits

Course Name

VTT616	22.5	Degree Project Infrastructure U
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