

# Civil Engineering - Railway Construction

Study Year 1 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	21/22	21/22	21/22	21/22
								sp1	sp2	sp3	sp4
<a href="#">FAFA41</a>	7.5	G1	-	S	Physics		<a href="#">KS KE U T</a>	1			
<a href="#">VTVA50</a>	9	G1	-	S	Transports and Society		<a href="#">KS KE U W T</a>	1	2		
<a href="#">EMAA50</a>	13.5	G1	-	S	Calculus		<a href="#">KS KE U W T</a>	1	2	3	
<a href="#">VBEA30</a>	8	G1	-	S	Communication and Computer Tools	X	<a href="#">KS KE U W T</a>	1	2	3	
<a href="#">FMIA01</a>	4	G1	-	S	Environmental Technology		<a href="#">KS KE U W T</a>			3	
<a href="#">VTVA46</a>	7.5	G1	-	S	Road and Railway Engineering		<a href="#">KS KE U W T</a>			3	4
<a href="#">VGMA05</a>	6	G1	-	S	Geodetic Surveying		<a href="#">KS KE U W T</a>				4

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links					
							21/22 sp1	21/22 sp2	21/22 sp3	21/22 sp4		
<a href="#">EMAA55</a>	4.5	G1	-	S	Mathematics, Linear Algebra		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	4

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

## Study Year 2 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	21/22	21/22	21/22	21/22
								sp1	sp2	sp3	sp4
<a href="#">VTVA36</a>	7.5	G1	-	S	Track and Permanent Way for Engineers	X	<a href="#">KS KE U W T</a>	1			
<a href="#">EMSE32</a>	7.5	G2	-	S	Mathematical Statistics		<a href="#">KS KE U W T</a>	1	2		
<a href="#">VVBE15</a>	7.5	G2	-	S	Interaction between Track and Vehicle-trackvehicle Technique	X	<a href="#">KS KE U W T</a>		2		
<a href="#">VSMA11</a>	7.5	G1	-	S	Structural Mechanics		<a href="#">KS KE U W T</a>		2		
<a href="#">VVBE10</a>	7.5	G2	-	S	Economics	X	<a href="#">KS KE U W T</a>			3	
<a href="#">VTVE36</a>	7.5	G2	-	S	Traffic Control, Signal and Telecommunication in Railway Traffic	X	<a href="#">KS KE U W T</a>			3	
<a href="#">VTVE46</a>	7.5	G2	-	S	Electric Power Systems in Railways	X	<a href="#">KS KE U W T</a>				4

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links			
							21/22 sp1	21/22 sp2	21/22 sp3	21/22 sp4
<a href="#">VGTA05</a>	7.5	G1	-	S	Engineering Geology and Soil Mechanics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a> <a href="#">T</a>				4

[VTVA36](#) Track and Permanent Way for Engineers: *The course will be held in Ängelholm*

[VVBF15](#) Interaction between Track and Vehicle-trackvehicle Technique: *The course will be held in Ängelholm*

[VVBF10](#) Economics: *The course will be held in Lund*

[VTVE36](#) Traffic Control, Signal and Telecommunication in Railway Traffic: *The course will be held in Ängelholm*

[VTVF46](#) Electric Power Systems in Railways: *The course will be held in Ängelholm*

### Study Year 3 (Mandatory Courses)

Course Code	Credits	Cycle	S.Ex. stud.	Language	Course Name	Footnote	Links	21/22	21/22	21/22	21/22
								sp1	sp2	sp3	sp4
<a href="#">VTVG05</a>	7.5	G2	-	S	Capacitiy and Punctuality in Railway Transportation		<a href="#">KS KE U W T</a>	1			
<a href="#">VTVF81</a>	7.5	G2	-	S	Design of the Technical Systems in Railways		<a href="#">KS KE U W T</a>	1	2		
<a href="#">VBEA35</a>	7.5	G1	-	S	The Construction and Civil Engineering Process		<a href="#">KS KE U W T</a>	1	2		
<a href="#">VVBE15</a>	7.5	G2	-	S	Interaction between Track and Vehicle-trackvehicle Technique	X	<a href="#">KS KE U W T</a>		2		

[VVBE15](#) Interaction between Track and Vehicle-trackvehicle Technique: *The course will be held in Ängelholm*

## Elective Courses - IBYI

Course Code	Credits	Cycle	Language				Course Name	Footnote	Links					
			Year	From year	S.Ex. stud.				sp1	sp2	sp3	sp4		
<a href="#">EMAB30</a>	6	G1	3	3	-	S	Calculus in Several Variables	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3
<a href="#">VTVG10</a>	7.5	G2	3	3	-	S	Engineering Internship		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">T</a>		3
<a href="#">MIOA12</a>	6	G1	3	3	-	S	Managerial Economics, Basic Course	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3
<a href="#">VBEF45</a>	7.5	G2	3	3	-	S	Model Based Design		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3
<a href="#">VBEF01</a>	7.5	G2	3	3	-	S	Project Management	X	<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	3
<a href="#">VGMF10</a>	7.5	G2	3	3	X	E1	Geodesy		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	4
<a href="#">VTTN10</a>	7.5	A	3	3	-	S	Public Transport		<a href="#">KS</a>	<a href="#">KE</a>	<a href="#">U</a>	<a href="#">W</a>	<a href="#">T</a>	4

[FMAB30](#) Calculus in Several Variables: *The course will be held in Lund*

[MIOA12](#) Managerial Economics, Basic Course: *The course will be held in Lund*

[VBEF01](#) Project Management: *The course will be held in Lund*



## Degree Projects - IBYI

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

### Links

Course Code	Credits	Course Name	Links
VMTL01	22.5	Degree Project	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VBEL05	22.5	Degree Project in Construction Management	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>
VGTL05	22.5	Degree Project in Geotechnical Engineering	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
VBVL05	22.5	Degree Project in Structural Mechanics	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a> <a href="#">W</a>
VTVL01	22.5	Degree Project Infrastructure	<a href="#">KS</a> <a href="#">KE</a> <a href="#">U</a>