

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Construction Engineering, 120 cr

Construction Engineering, 120 cr BI2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6A2811 Mathematical Statistics	3	B	30	-	-	15	1				
6A2822 Fluid Mechanics	3	B	42	-	-	3		2			
6A2823 Concrete Structure	5	B	75	-	-	-	1				
6A2824 Project - Sustainable Community	6	B	30	30	-	-			3		
6A2825 Project - Civil Engineering Management	7	B	-	-	-	-		2			
6A2826 Soil Mechanics	6	B	60	24	-	8				4	
6A2902 Business Administration	3	B	-	-	-	-	1				
Elective Courses											
1N1105 Ethics for Engineers	4	B	18	-	-	-			3	4 h Seminars	4 h Seminars
6A2916 Communication and Multimedia*₋	4	C	20	40	-	20			3	80 h Projektuppgift	80 h Projektuppgift
6A2931 Moisture in Concrete*₋	5	B	-	-	-	-				4	
6A2933 Oral and Written Presentation Techniques, Advanced Course*₋	4	B	-	-	-	-			3	4	
6A2938 Steel Structures*₋	4	C	45	15	-	-				4	
6A2939 Applied Mathematics*₋	4	B	30	30	-	-			3		
6A2946 Multimedia 2B: Desktop Videoproduction*₋	4	C	20	40	-	20			3	4	80 h Projektuppgift
6A2978 No translation*₋ <i>Under bearbetning</i>	4	C	-	-	-	-			3		
6A2987 Graphical User Interface*₋	4	C	20	40	-	20				4	80 h Projektuppgift
6A2994 Lighting and Design	4	B	-	-	-	-			3		
6A2995 No translation*₋ <i>Under bearbetning</i>	4		-	-	-	-				4	
6B2922 Computer Assisted Technical Information*₋	4	B	-	16	-	-				4	
6B2924 Programming in C++*₋	4	B	16	-	-	24				4	
6B2955 Mechanical Workshop*₋	4	B	-	-	-	-			3	4	
6D2940 Water Chemistry	5	B	12	22	-	16				4	
6E2938 Supply and Marketing*₋	4	B	-	-	-	-				4	
6E2947 Eco-management for Enterprises*₋	4	C	-	-	-	-				4	

6E2970 Ergonomics in Product Development*_	4	B	-	-	-	-				4	
6E3801 Management and Leadership*_	4	C	-	-	-	-				4	
6E3804 Business Logistics and Transport Systems*_	4	C	-	-	-	-				3	
6H3305 Media economy and media rights*_	5	C	-	-	-	-				3	
9E1310 Engineering English, Intermediate Level*_	4	B	-	-	56	-				3	
9E1311 Engineering English, Intermediate Level*_	4	B	-	-	56	-				4	Semi intensive course

*The course has limited participation

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Construction Engineering, 120 cr

Construction Engineering, 120 cr BI3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
1N1105 Ethics for Engineers	4	B	18	-	-	-			3		4 h Seminars 4 h Seminars
6A2916 Communication and Multimedia*₋	4	C	20	40	-	20			3		80 h Projektuppgift 80 h Projektuppgift
6A2931 Moisture in Concrete*₋	5	B	-	-	-	-				4	
6A2933 Oral and Written Presentation Techniques, Advanced Course*₋	4	B	-	-	-	-			3	4	
6A2938 Steel Structures*₋	4	C	45	15	-	-				4	
6A2939 Applied Mathematics*₋	4	B	30	30	-	-			3		
6A2946 Multimedia 2B: Desktop Videoproduction*₋	4	C	20	40	-	20			3	4	80 h Projektuppgift 80 h Projektuppgift
6A2978 No translation*₋ <i>Under bearbetning</i>	4	C	-	-	-	-			3		
6A2994 Lighting and Design	4	B	-	-	-	-			3		
6A2995 No translation*₋ <i>Under bearbetning</i>	4		-	-	-	-				4	
6B2922 Computer Assisted Technical Information*₋	4	B	-	16	-	-				4	
6B2924 Programming in C++*₋	4	B	16	-	-	24				4	
6B2955 Mechanical Workshop*₋	4	B	-	-	-	-			3	4	
6D2940 Water Chemistry	5	B	12	22	-	16				4	
6D2944 Organisational Development and Leadership	4	C	-	-	-	-			3		7 h Wholedays 7 h Wholedays
6E2938 Supply and Marketing*₋	4	B	-	-	-	-				4	
6E2947 Eco-management for Enterprises*₋	4	C	-	-	-	-				4	
6E2970 Ergonomics in Product Development*₋	4	B	-	-	-	-				4	
6E3801 Management and Leadership*₋	4	C	-	-	-	-				4	
6E3804 Business Logistics and Transport Systems*₋	4	C	-	-	-	-			3		
6H3305 Media economy and media rights*₋	5	C	-	-	-	-			3		
9E1310 Engineering English, Intermediate Level*₋	4	B	-	-	56	-			3		

*The course has limited participation

Study Handbook

Syllabus

Curriculum

Courses, by

Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)[Next academic year \(03/04\)](#)

Construction Engineering, 120 cr

Construction Management BI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6A2800 Degree Project	10	C	-	-	-	-					4	
6A2831 Quality Assurance	4	C	20	8	-	-	1					
6A2832 Design of Heating and Ventilation Services	4	C	30	15	-	-	1				Projektuppgift 15h	
6A2833 Design of Timber Structures	4	C	22	38	-	-		2				
6A2841 Law	4	C	50	-	-	-		2				
6A2852 Tendering	4	C	40	-	-	-	1					
6A2853 Project Construction Management	6	C	48	-	-	-			3			

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Construction Engineering, 120 cr

Structural Design BI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6A2800 Degree Project	10	C	-	-	-	-					4	
6A2831 Quality Assurance	4	C	20	8	-	-	1					
6A2832 Design of Heating and Ventilation Services	4	C	30	15	-	-	1				Projektuppgift 15h	
6A2833 Design of Timber Structures	4	C	22	38	-	-		2				
6A2861 Water Supply and Wastewater Treatment	4	C	24	14	-	8	1					
6A2862 Structural Design of Foundations and Masonry	4	C	30	20	-	8		2				
6A2863 Project Design	6	C	40	10	-	-				3		

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Constructional Engineering and Design

Constructional Engineering and Design TIBYH1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6H2200 Engineering project	5	B	-	-	-	-			3		
6H2201 Bulding Physics	5	B	-	-	-	-	1				
6H2202 Structural Mechanics 1	5	B	-	-	-	-		2			
6H2203 Structural Mechanics 2	5	B	-	-	-	-			3		
6H2204 Surveying and Mathematical Statistics	5	B	-	-	-	-				4	
6H2900 Engineering and Information Skills	5	B	-	-	-	-	1				
6H2901 Mathematics I	5	B	-	-	-	-		2			
6H2902 Business Economics and Organizational Behaviour <i>Under bearbetning</i>	5	B	-	-	-	-				4	

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Construction engineering and Economics, 120 cr

Construction engineering and Economics, 120 cr BEK2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6A2811 Mathematical Statistics	3	B	30	-	-	15	1				
6A2822 Fluid Mechanics	3	B	42	-	-	3		2			
6A2823 Concrete Structure	5	B	75	-	-	-	1				
6A2824 Project - Sustainable Community	6	B	30	30	-	-			3		
6A2825 Project - Civil Engineering Management	7	B	-	-	-	-		2			
6A2826 Soil Mechanics	6	B	60	24	-	8				4	
6A2952 Cost Beneficial Analysis	5	B	-	-	-	-			3		
6A2953 Organisation and Individual	5	B	-	-	-	-				4	
Elective Courses											
6A2925 Accounting, Intermediate Course	5	B	-	-	-	-					

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Construction engineering and Economics, 120 cr

Construction engineering and Economics, 120 cr BEK3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6A2955 Marketing	5	B	-	-	-	-			3		
Elective Courses											
6A2925 Accounting, Intermediate Course	5	B	-	-	-	-					
6A2927 Economic Analysis, Advanced Course	5	B	-	-	-	-					
6A2954 Learning Organisations	5	B	-	-	-	-	1	2			
6A2956 Marketing Communication	5	B	-	-	-	-				4	

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Construction engineering and Economics, 120 cr

Construction Management BEK3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6A2800 Degree Project	10	C	-	-	-	-					4	
6A2831 Quality Assurance	4	C	20	8	-	-	1					
6A2832 Design of Heating and Ventilation Services	4	C	30	15	-	-	1					Projektuppgift 15h
6A2833 Design of Timber Structures	4	C	22	38	-	-		2				
6A2841 Law	4	C	50	-	-	-		2				
6A2852 Tendering	4	C	40	-	-	-	1					
6A2853 Project Construction Management	6	C	48	-	-	-				3		

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Construction engineering and Economics, 120 cr

Structural Design BEK3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6A2800 Degree Project	10	C	-	-	-	-					4	
6A2831 Quality Assurance	4	C	20	8	-	-	1					
6A2832 Design of Heating and Ventilation Services	4	C	30	15	-	-	1				Projektuppgift 15h	
6A2833 Design of Timber Structures	4	C	22	38	-	-		2				
6A2861 Water Supply and Wastewater Treatment	4	C	24	14	-	8	1					
6A2862 Structural Design of Foundations and Masonry	4	C	30	20	-	8		2				
6A2863 Project Design	6	C	40	10	-	-				3		

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum

Courses, by

Department

TMS Courses

Abbreviations

Previous academic year (01/02)

Next academic year (03/04)

Computer Engineering, 120 cr

Computer Engineering, 120 cr DI2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6A2005 Object Oriented Programming	4	B	28	24	-	12	1				
6A2006 Operating System	4	B	-	-	-	-		2			
6A2007 Computer Communication	4	B	-	-	28	20			3		
6A2008 Software Project	9	B	-	-	-	-		2	3	4	
6A2011 Mathematical Statistics	4	B	28	26	-	12		2			
6A2902 Business Administration	3	B	-	-	-	-		1			
6A2903 Environment and Work Science	4	B	20	14	-	11		1			
6B2006 Operating System	4	B	14	14	-	12		2			
6B2007 Computer Communication	4	B	24	18	-	12		2			
6B2008 Software Project	9	B	30	6	-	84		2	3	4	
6B2011 Mathematical Statistics	4	B	22	22	-	16		1			
6B2902 Business Administration	3	B	12	14	-	8		1			
6B2903 Environment and Work Science	4	B	24	12	-	10				4	
6E2005 Object Oriented Programming	4	B	32	-	-	16		1			
6E2006 Operating System	4	B	26	-	-	24		2			
6E2007 Computer Communication	4	B	40	-	-	16		1	2		
6E2008 Software Project	9	B	38	-	-	40		2	3	4	
6E2011 Mathematical Statistics	4	B	42	-	-	-		1			
6E2902 Business Administration	3	B	26	6	-	8			3		
6E2903 Environment and Work Science	4	B	48	-	-	6				4	
Elective Courses											
1N1105 Ethics for Engineers	4	B	18	-	-	-			3		4 h Seminars 4 h Seminars
6A2916 Communication and Multimedia*_	4	C	20	40	-	20			3		80 h Projektuppgift 80 h Projektuppgift
6A2933 Oral and Written Presentation Techniques, Advanced Course*_	4	B	-	-	-	-			3	4	
6A2939 Applied Mathematics*_	4	B	30	30	-	-			3		
6A2942 Java for C++ Programmers*_	4	B	40	-	-	-			3		
6A2946 Multimedia 2B: Desktop Videoproduction*_	4	C	20	40	-	20			3	4	80 h Projektuppgift 80 h Projektuppgift
6A2961 No translation*_	5	C	-	-	-	-				4	

6A2987 Graphical User Interface*_	4	C	20	40	-	20			4	80 h Projektuppgift80 h Projektuppgift
6A2991 Unix/Linux Basics*_	4	B	28	16	-	16		3		
6A2995 No translation*_ <i>Under bearbetning</i>	4		-	-	-	-			4	
6B2922 Computer Assisted Technical Information*_	4	B	-	16	-	-			4	
6B2924 Programming in C++*_	4	B	16	-	-	24			4	
6B2926 Object-Oriented Programming with Java	4	C	22	10	-	20			4	
6B2927 Internet Development*_	4	C	12	-	-	20		3		
6B2934 Unix Basics*_	5	B	-	-	-	-		3	4	
6B2955 Mechanical Workshop*_	4	B	-	-	-	-		3	4	
6B3004 Functional and Logical Programming*_	4	C	-	-	-	-		3		
6B3011 Software Engineering*_	4	C	-	-	-	-			4	
6B3020 Computer Music*_	5	C	-	-	-	-		3	4	
6B3021 Game- and 3D-programming*_	4	C	-	-	-	-		3		
6B3031 Software Development using J2ME (Java 2 Micro Edition)*_	4	C	-	-	-	-		3	4	
6B3035 Object Oriented Programming Using C# and .NET*_	5	B	-	-	-	-		3		
6B3290 Management*_	4	C	14	28	-	-			4	
6B3608 General Aeronautics*_	4	D	-	-	-	-		3		
6D2940 Water Chemistry	5	B	12	22	-	16			4	
6E2926 Object-Oriented Programming with Java*_	4	C	16	24	-	-			4	
6E2928 Advanced Script Programming in Python*_	5	C	24	-	-	28		3		
6E2937 Digital Signal Processing*_	4	B	-	-	-	-		3		
6E2938 Supply and Marketing*_	4	B	-	-	-	-			4	
6E2947 Eco-management for Enterprises*_	4	C	-	-	-	-			4	
6E2950 VHDL for Programmable Logic*_	4	C	-	-	-	-			4	
6E2955 Design Patterns*_	5	C	-	-	-	-		3		
6E2956 Computer Graphics Using OpenGL*_	5	C	28	-	-	28		3		
6E2957 Linux Basics*_	5	B	24	-	-	28			4	
6E2958 Web Programming	5	C	-	-	-	-			4	
6E3801 Management and Leadership*_	4	C	-	-	-	-			4	
6E3804 Business Logistics and Transport Systems*_	4	C	-	-	-	-		3		
6H3305 Media economy and media rights*_	5	C	-	-	-	-		3		
9E1310 Engineering English, Intermediate Level*_	4	B	-	-	56	-		3		
9E1311 Engineering English, Intermediate Level*_	4	B	-	-	56	-			4	Semi intensive course

*The course has limited participation

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Computer Engineering, 120 cr

Computer Engineering, 120 cr DI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
1N1105 Ethics for Engineers	4	B	18	-	-	-			3		4 h Seminars 4 h Seminars
6A2933 Oral and Written Presentation Techniques, Advanced Course*	4	B	-	-	-	-			3	4	
6A2939 Applied Mathematics*	4	B	30	30	-	-			3		
6A2942 Java for C++ Programmers*	4	B	40	-	-	-			3		
6A2946 Multimedia 2B: Desktop Videoproduction*	4	C	20	40	-	20			3	4	80 h Projektuppgift 80 h Projektuppgift
6A2961 No translation*	5	C	-	-	-	-				4	
6A2995 No translation* <i>Under bearbetning</i>	4		-	-	-	-				4	
6B2922 Computer Assisted Technical Information*	4	B	-	16	-	-				4	
6B2926 Object-Oriented Programming with Java	4	C	22	10	-	20				4	
6B2933 Unix, Installation and Administration*	5	B	12	-	-	24			3		
6B2934 Unix Basics*	5	B	-	-	-	-			3	4	
6B2964 Advanced Routing*	5	B	-	-	-	-			3	4	
6B3004 Functional and Logical Programming*	4	C	-	-	-	-			3		
6B3011 Software Engineering*	4	C	-	-	-	-				4	
6B3020 Computer Music*	5	C	-	-	-	-			3	4	
6B3021 Game- and 3D-programming*	4	C	-	-	-	-			3		
6B3031 Software Development using J2ME (Java 2 Micro Edition)*	4	C	-	-	-	-			3	4	
6B3032 Mobile Technologies Using Java*	4	C	-	-	-	-			3	4	
6B3035 Object Oriented Programming Using C# and .NET*	5	B	-	-	-	-			3		
6B3608 General Aeronautics*	4	D	-	-	-	-			3		
6D2940 Water Chemistry	5	B	12	22	-	16				4	
6D2944 Organisational Development and Leadership	4	C	-	-	-	-			3		7 h Wholedays 7 h Wholedays
6E2926 Object-Oriented Programming with Java*	4	C	16	24	-	-				4	

6E2928 Advanced Script Programming in Python*_	5	C	24	-	-	28			3	
6E2937 Digital Signal Processing*_	4	B	-	-	-	-			3	
6E2938 Supply and Marketing*_	4	B	-	-	-	-			4	
6E2947 Eco-management for Enterprises*_	4	C	-	-	-	-			4	
6E2950 VHDL for Programmable Logic*_	4	C	-	-	-	-			4	
6E2955 Design Patterns*_	5	C	-	-	-	-			3	
6E2956 Computer Graphics Using OpenGL*_	5	C	28	-	-	28			3	
6E2957 Linux Basics*_	5	B	24	-	-	28			4	
6E2958 Web Programming_	5	C	-	-	-	-			4	
6E2969 Java, Intermediate Course*_	4	C	16	-	-	24			3	
6E3801 Management and Leadership*_	4	C	-	-	-	-			4	
6E3804 Business Logistics and Transport Systems*_	4	C	-	-	-	-			3	
6H3305 Media economy and media rights*_	5	C	-	-	-	-			3	
9E1310 Engineering English, Intermediate Level*_	4	B	-	-	56	-			3	

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Computer Engineering, 120 cr

Industrial Business Administration and Manufacturing DI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6E3500 Industrial Business Administration and Marketing	10	C	92	4	-	20	1	2	3		
6E3504 Law for Engineers	3	B	36	4	-	-	1				
6E3540 Computer Networks	5	C	-	-	-	-	1		3		
6E3547 Quality Assurance	2	B	-	-	-	-	1				
6E3548 Quality Management	3	C	-	-	-	-		2			
6E3581 Degree Project in Industrial Business Adm. & Manufacturing	10	C	-	-	-	-				4	

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Computer Engineering, 120 cr

Media Technology DI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6A3510 Degree Project in Media Technology	10	C	-	-	-	-					4	
6A3511 Media Technology, General Course	6	B	52	-	-	30	1					
6A3512 Text- and Image Processing	6	C	52	-	-	30		2	3			
6A3513 Digital Media Technology	6	C	52	-	-	-		2	3			
6A3514 Graphic Technology	4	C	39	15	-	-				3		
6A3515 Computer Networks and Communication	4	C	39	-	-	15	1					

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Computer Engineering, 120 cr

Software Engineering DI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6B2000 Degree Project	10	C	-	-	-	-					4	
6B3001 Databases	8	C	86	18	-	48	1	2				
6B3005 A Project of Databases and Transactions	6	C	2	-	-	-				3		
6B3016 IT-projects, Management and Tools	4	C	-	-	-	-	1	2				
6B3017 Software Components	5	C	37	-	-	80	1	2				
6B3019 Secure Transactions	3	C	26	-	-	26		2				
Elective with												
6B3004 Functional and Logical Programming*	4	C	-	-	-	-				3		
6B3021 Game- and 3D-programming*	4	C	-	-	-	-				3		

*The course has limited participation

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Computer Engineering, 120 cr

Software Design DI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6A2000 Degree Project	10	C	2	4	-	-					4
6A2050 The Operating System Windows	6	C	28	24	-	16			3		
6A2051 Programming Languages	4	C	24	4	-	16	1				
6A2052 Local and Global Networks	6	C	28	24	-	16	1				
6A2053 Database Project	6	C	15	-	-	8		2			
6A2054 Database Technology	4	C	45	-	-	16		2			

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Computer Engineering, 120 cr

Real Time Systems DI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6E3522 Object Oriented Modelling	2	C	18	-	-	12	1				
6E3524 Realtime, Windows and Graphics	5	C	28	32	-	-	1				
6E3526 Algorithms and Data Structures, Intermediate Course	3	C	10	-	-	18	1				
6E3541 Realtime Project	3	C	-	-	-	-			3		
6E3557 Realtime Systems	10	C	-	-	-	-		2			
6E3558 Networking with TCP/IP	3	C	20	-	-	22			3		
6E3584 Degree Project in Real Time Systems	10	C	-	-	-	-				4	

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum

Courses, by

Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)[Next academic year \(03/04\)](#)

Computer Engineering, 120 cr

System Engineering DI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6B2000 Degree Project	10	C	-	-	-	-					4	
6B3001 Databases	8	C	86	18	-	48	1	2				
6B3005 A Project of Databases and Transactions	6	C	2	-	-	-				3		
6B3007 Network Planning and Documentation	4	C	-	-	-	-	1	2				
6B3008 Secure Network	4	C	24	-	-	22		2				
6B3018 Internet Protocols	4	C	28	-	-	40	1					
Elective with												
6B2933 Unix, Installation and Administration*	5	B	12	-	-	24				3		

*The course has limited participation

Study Handbook

Syllabus

Curriculum

Courses, by

Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)[Next academic year \(03/04\)](#)

Computer Engineering, 120 cr

Tele and Data Communication DI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6A2000 Degree Project	10	C	2	4	-	-					4
6A2116 Telecommunication	6	B	34	20	-	16	1				
6A2186 Communication Networks	5	C	-	-	-	-	1				
6A2187 The Internet Protocols	5	C	-	-	-	-		2			
6A2188 Queuing Theory	4	C	-	-	-	-		2			
Elective with											
6A2165 Telecommunication Switching	4	C	-	-	-	-			3		
6A2166 Mobil Communication	4	C	40	-	-	-			3		
6A2167 Process Programming	4	C	-	-	-	-			3		
6A2168 Real Time Applications	4	C	-	-	-	-			3		

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses
Abbreviations

Previous academic year (01/02)

Next academic year (03/04)

Datateknik TIDAB1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6B2904 Engineering Skills	5	B	18	4	9	18	1				
6B2905 The Internet	5	B	24	12	-	16			3		
6B2906 Mathematics, Linear Algebra	5	B	24	20	4	16	2				
6B2907 Object Oriented Programming, General Course	5	B	34	12	-	24	1				
6B2908 Computer Network Project	5	B	14	-	48	28				4	
6B2910 Computer Technology	6	B	28	12	16	32	2				
6B2911 Digital Design	5	B	26	24	-	20				4	
Elective with											
9E1362 Spoken and written Swedish*	4	B	-	-	56	-		2	3		
Elective Courses											
6B2001 Introduction to C-programming*	4	B	24	-	-	26			3		
6B2408 Multimedia Programming*	4	B	-	-	-	-			3	4	
6B2922 Computer Assisted Technical Information*	4	B	-	16	-	-				4	
6B2998 Introduction to Mathematics	1	A	-	-	-	-	1				
6B2999 Introduction to Computer Studies	1	A	-	-	-	-	1				
6B3035 Object Oriented Programming Using C# and .NET*	5	B	-	-	-	-			3		
6B3608 General Aeronautics*	4	D	-	-	-	-			3		
9E1310 Engineering English, Intermediate Level*	4	B	-	-	56	-			3		
9E1311 Engineering English, Intermediate Level*	4	B	-	-	56	-				4	Semi intensive course

*The course has limited participation

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Computer and Electrical Engineering

Computer and Electrical Engineering TIDEH1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6H2000 Computer Engineering Project <i>Under bearbetning</i>	5	B	-	-	-	-					4	
6H2001 Digital Electronics <i>Under bearbetning</i>	5	B	-	-	-	-	1	2				
6H2002 Computer Engineering <i>Under bearbetning</i>	5	B	-	-	-	-		2	3			
6H2003 Data Communications and Networks	5	B	-	-	-	-					4	
6H2900 Engineering and Information Skills	5	B	-	-	-	-	1					
6H2901 Mathematics I	5	B	-	-	-	-				3		
6H2902 Business Economics and Organizational Behaviour <i>Under bearbetning</i>	5	B	-	-	-	-		2	3			
6H2950 Programming, Basic Course <i>Under bearbetning</i>	5	B	-	-	-	-	1	2				

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Computer and Electrical Engineering

Computer and Electrical Engineering TIDEL1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
6L2860 Introduction to Chemistry	1	A	-	-	-	-			3		

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Computer and Electrical Engineering

Medical Technology TIDEL1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6L2861 Biological Chemistry	5	B	-	-	-	-			3		
6L2862 The Structure, Function and Dysfunction of the Human Body 1: Transportation and Movement	4	B	-	-	-	-			3		
6L2863 The Structure, Function and Dysfunction of the Human Body II: Communication, Control and Reproduction	4	B	-	-	-	-				4	
6L2864 The Structure, Function and Dysfunction of the Human Body III: Digestion, Excretion and Defence	4	B	-	-	-	-				4	
6L2865 A Medical Overview including Medical Equipment	3	A	-	-	-	-			3	4	
Elective Courses											
6L2860 Introduction to Chemistry	1	A	-	-	-	-			3		

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Computer and Electrical Engineering

Computer and Electrical Engineering TIDES1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6S2000 Computer Engineering Project	5	B	-	-	-	-					4	
6S2001 Digital Electronics	5	B	-	-	-	-	1	2				
6S2002 Computer Engineering	5	B	-	-	-	-		2	3			
6S2003 Data Communications and Networks	5	B	-	-	-	-				3	4	
6S2900 Engineering and Information Skills	5	B	-	-	-	-	1	2				
6S2901 Mathematics I	5	B	-	-	-	-				3	4	
6S2902 Business Economics and Organizational Behaviour	5	B	-	-	-	-		2	3			
6S2950 Computer Programming, Basic Course	5	B	-	-	-	-	1					
Elective Courses												
6E2300 Introduction to Mathematics	1	A	-	-	-	-	1					
6E2301 Introduction to Computer Studies	1	A	-	-	-	-	1					

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering, 120 cr

Electrical Engineering, 120 cr EI2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6A2003 Digital and Computer Technology	8	B	-	-	60	36			3		
6A2111 Mathematical Statistics	3	B	-	-	-	-	1				
6A2114 Digital Systems	4	B	-	-	-	-				4	
6A2116 Telecommunication	6	B	34	20	-	16		2			
6A2117 Control System	6	B	-	-	-	-	1				
6A2903 Environment and Work Science	4	B	20	14	-	11		2			
6B2003 Digital and Computer Technology	8	B	48	16	-	36	1	2			
6B2114 Digital Systems	4	B	6	4	-	16		2			
6B2116 Telecommunication	6	B	34	24	-	16				4	
6B2117 Control System	6	B	24	30	-	28			3		
6B2902 Business Administration	3	B	12	-	14	8		2			
6B2903 Environment and Work Science	4	B	24	1	12	10	1				
6E2003 Digital and Computer Technology	8	B	60	28	-	36		2	3		
6E2114 Digital Systems	4	B	12	6	-	12		2			
6E2116 Telecommunication	6	B	45	15	-	24			3	4	
6E2117 Control System	6	B	-	-	-	-			3	4	
6E2902 Business Administration	3	B	26	6	-	8			3		
6E2903 Environment and Work Science	4	B	48	-	-	6	1				
Elective Courses											
1N1105 Ethics for Engineers	4	B	18	-	-	-			3		4 h Seminars 4 h Seminars
6A2915 Object Programming with C++*_	4	B	-	-	-	-			3		
6A2916 Communication and Multimedia*_	4	C	20	40	-	20			3		80 h Projektuppgift 80 h Projektuppgift
6A2933 Oral and Written Presentation Techniques, Advanced Course*_	4	B	-	-	-	-			3	4	
6A2939 Applied Mathematics*_	4	B	30	30	-	-			3		
6A2942 Java for C++ Programmers*_	4	B	40	-	-	-			3		
6A2946 Multimedia 2B: Desktop Videoproduction*_	4	C	20	40	-	20			3	4	80 h Projektuppgift 80 h Projektuppgift
6A2979 Computer Based Electronical Measurement System*_	5	B	-	-	-	-				4	

6A2987 Graphical User Interface*_	4	C	20	40	-	20			4	80 h Projektuppgift80 h Projektuppgift
6A2991 Unix/Linux Basics*_	4	B	28	16	-	16		3		
6A2995 No translation*_ <i>Under bearbetning</i>	4		-	-	-	-			4	
6B2118 Medical Electronic Design*_	5	B	-	16	-	16		3		
6B2408 Multimedia Programming*_	4	B	-	-	-	-		3	4	
6B2922 Computer Assisted Technical Information*_	4	B	-	16	-	-			4	
6B2924 Programming in C++*_	4	B	16	-	-	24			4	
6B2934 Unix Basics*_	5	B	-	-	-	-		3	4	
6B2937 Electronic Pulse Systems*_	4	C	10	14	-	16		3		
6B2939 Digital Filters*_	4	C	12	10	-	18			4	
6B2955 Mechanical Workshop*_	4	B	-	-	-	-		3	4	
6B3035 Object Oriented Programming Using C# and .NET*_	5	B	-	-	-	-		3		
6B3290 Management*_	4	C	14	28	-	-			4	
6B3608 General Aeronautics*_	4	D	-	-	-	-		3		
6D2940 Water Chemistry	5	B	12	22	-	16			4	
6E2923 Computer System Skills*_	4	B	-	-	-	-			4	
6E2934 Power Engineering*_	4	B	-	-	-	-		3		
6E2937 Digital Signal Processing*_	4	B	-	-	-	-		3		
6E2938 Supply and Marketing*_	4	B	-	-	-	-			4	
6E2947 Eco-management for Enterprises*_	4	C	-	-	-	-			4	
6E2950 VHDL for Programmable Logic*_	4	C	-	-	-	-			4	
6E2957 Linux Basics*_	5	B	24	-	-	28			4	
6E3801 Management and Leadership*_	4	C	-	-	-	-			4	
6E3804 Business Logistics and Transport Systems*_	4	C	-	-	-	-		3		
6H3305 Media economy and media rights*_	5	C	-	-	-	-		3		
9E1310 Engineering English, Intermediate Level*_	4	B	-	-	56	-		3		
9E1311 Engineering English, Intermediate Level*_	4	B	-	-	56	-			4	Semi intensive course

*The course has limited participation

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering, 120 cr

Electrical Engineering, 120 cr EI3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
1N1105 Ethics for Engineers	4	B	18	-	-	-			3		4 h Seminars 4 h Seminars
6A2915 Object Programming with C++*	4	B	-	-	-	-			3		
6A2916 Communication and Multimedia*	4	C	20	40	-	20			3		80 h Projektuppgift 80 h Projektuppgift
6A2933 Oral and Written Presentation Techniques, Advanced Course*	4	B	-	-	-	-			3	4	
6A2939 Applied Mathematics*	4	B	30	30	-	-			3		
6A2942 Java for C++ Programmers*	4	B	40	-	-	-			3		
6A2946 Multimedia 2B: Desktop Videoproduction*	4	C	20	40	-	20			3	4	80 h Projektuppgift 80 h Projektuppgift
6A2979 Computer Based Electronical Measurement System*	5	B	-	-	-	-				4	
6A2991 Unix/Linux Basics*	4	B	28	16	-	16			3		
6A2995 No translation* <i>Under bearbetning</i>	4		-	-	-	-				4	
6B2922 Computer Assisted Technical Information*	4	B	-	16	-	-				4	
6B2924 Programming in C++*	4	B	16	-	-	24				4	
6B2937 Electronic Pulse Systems*	4	C	10	14	-	16			3		
6B2955 Mechanical Workshop*	4	B	-	-	-	-			3	4	
6B2964 Advanced Routing*	5	B	-	-	-	-			3	4	
6B3035 Object Oriented Programming Using C# and .NET*	5	B	-	-	-	-			3		
6B3608 General Aeronautics*	4	D	-	-	-	-			3		
6D2940 Water Chemistry	5	B	12	22	-	16				4	
6D2944 Organisational Development and Leadership	4	C	-	-	-	-			3		7 h Wholedays 7 h Wholedays
6E2923 Computer System Skills*	4	B	-	-	-	-				4	
6E2926 Object-Oriented Programming with Java*	4	C	16	24	-	-				4	
6E2928 Advanced Script Programming in Python*	5	C	24	-	-	28			3		
6E2934 Power Engineering*	4	B	-	-	-	-			3		
6E2937 Digital Signal Processing*	4	B	-	-	-	-			3		

6E2938 Supply and Marketing*_	4	B	-	-	-	-				4	
6E2947 Eco-management for Enterprises*_	4	C	-	-	-	-				4	
6E2950 VHDL for Programmable Logic*_	4	C	-	-	-	-				4	
6E2955 Design Patterns*_	5	C	-	-	-	-				3	
6E2956 Computer Graphics Using OpenGL*_	5	C	28	-	-	28				3	
6E2957 Linux Basics*_	5	B	24	-	-	28				4	
6E2958 Web Programming_	5	C	-	-	-	-				4	
6E3801 Management and Leadership*_	4	C	-	-	-	-				4	
6E3804 Business Logistics and Transport Systems*_	4	C	-	-	-	-				3	
6H3305 Media economy and media rights*_	5	C	-	-	-	-				3	
9E1310 Engineering English, Intermediate Level*_	4	B	-	-	56	-				3	

*The course has limited participation

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering, 120 cr

Computer Engineering and Communications EI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6E3529 Algorithms and Data Structures	4	C	28	-	-	28	1				
6E3530 Object Oriented Programming	4	C	16	-	-	24		2			
6E3531 Computer Networks	3	C	24	-	-	20	1				
6E3535 Computer Communication, Intermediate Course	3	C	-	-	-	-	1				
6E3551 Database Technology	4	C	-	-	-	-		2			
6E3552 Development for the Web	4	C	-	-	-	-			3		
6E3555 Computer Network's Protocols	4	C	-	-	-	-		2	3		
6E3585 Degree Project in Applied Computer Science	10	C	-	-	-	-				4	

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering, 120 cr

Electronics Design EI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6B2100 Degree Project	10	C	-	-	-	-					4	
6B3121 Semiconductor Devices	6	C	30	16	-	12	1	2				
6B3128 Digital Microelectronics	4	C	24	12	-	16		2	3			
6B3129 Electronic Project	4	C	-	-	-	-				3		
6B3131 Digital Design with VHDL	6	C	24	12	-	24	1					
6B3132 High-frequency Electronics	6	C	22	24	-	20		2				
Elective with												
6B3125 VLSI Technology	4	C	-	28	-	16				3		
6B3127 Radio Electronics	4	C	-	28	-	16				3		
6B3130 Embedded Systems	4	C	-	28	-	16				3		

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering, 120 cr

Embedded System Design EI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6A2100 Degree Project	10	C	-	-	-	-				4	
6A2175 Digital Design	6	C	28	-	-	24			3		
6A2182 Electronic Circuits Fabrication Process	5	C	32	8	-	26	2	3		Study visit 15h	
6A2183 Real Time System	6	C	28	-	-	24			3		
6A2184 EMC of Electronic Project	5	C	36	8	-	16	1				
6A2185 Digital Signal Processing	4	C	24	-	-	16	2				
Elective with											
6A2989 PCB Fabrication	2	B	-	-	-	-					

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering, 120 cr

Industrial Economy and Entrepreneurship EI3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6B2200 Degree Project	10	C	-	-	-	-					4	
6B3201 Design Methods	4	C	-	-	-	-	1	2				
6B3205 Industrial Economics I	6	C	-	-	-	-	1		3			
6B3206 Manufacturing, Advanced Course 1	4	C	-	-	-	-	1	2				
6B3286 Terms for Contractors	4	C	-	-	-	-		2	3			
6B3287 Industrial Management	4	C	-	-	48	-	1	2	3			
6B3289 Databases	4	C	-	-	-	-			3			
Elective with												
6B3212 Mechatronic Components	4	C	-	-	-	-	1	2				
6B3280 Computer Aided Design in 3-D	4	C	-	-	-	-	1	2				

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering, 120 cr

Industrial Business Administration and Manufacturing EI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6E3500 Industrial Business Administration and Marketing	10	C	92	4	-	20	1	2	3		
6E3502 Industrial Production of Electronics	8	C	28	24	-	76	1	2	3		
6E3504 Law for Engineers	3	B	36	4	-	-	1				
6E3547 Quality Assurance	2	B	-	-	-	-	1				
6E3548 Quality Management	3	C	-	-	-	-		2			
6E3581 Degree Project in Industrial Business Adm. & Manufacturing	10	C	-	-	-	-				4	

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering, 120 cr

Media Technology EI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6A3510 Degree Project in Media Technology	10	C	-	-	-	-					4	
6A3511 Media Technology, General Course	6	B	52	-	-	30	1					
6A3512 Text- and Image Processing	6	C	52	-	-	30		2	3			
6A3513 Digital Media Technology	6	C	52	-	-	-		2	3			
6A3514 Graphic Technology	4	C	39	15	-	-				3		
6A3515 Computer Networks and Communication	4	C	39	-	-	15	1					

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering, 120 cr

Mechatronics EI3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6B2200 Degree Project	10	C	-	-	-	-					4	
6B3205 Industrial Economics I	6	C	-	-	-	-	1		3			
6B3211 Mechatronics	12	C	-	-	-	-	1	2	3			
Elective with												
6B2250 Object Oriented Programming with VB.NET	5	B	32	12	-	24		2				
6B3206 Manufacturing, Advanced Course 1	4	C	-	-	-	-	1	2				
6B3212 Mechatronic Components	4	C	-	-	-	-	1	2				
6B3280 Computer Aided Design in 3-D	4	C	-	-	-	-	1	2				
Elective Courses												
6B3292 Laborations in Mecatronics <i>Under bearbetning</i>	4	B	-	-	-	-	1	2				

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering, 120 cr

Micro Computer Systems EI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6E3507 Realtime Systems*	4	C	-	-	-	-	1				
6E3508 Operating Systems	4	C	-	-	-	-	1				
6E3531 Computer Networks	3	C	24	-	-	20	1				
6E3535 Computer Communication, Intermediate Course	3	C	-	-	-	-	1				
6E3553 Applied Control Engineering <i>Under bearbetning</i>	4	C	-	-	-	-		2			
6E3554 Embedded Systems	4	C	-	-	-	-		2	3		
6E3582 Degree Project in Industrial Systems Technology	10	C	-	-	-	-				4	
Elective with											
6E3505 Power Electronics	4	C	-	-	-	-			3		
6E3529 Algorithms and Data Structures	4	C	28	-	-	28	1				

*The course has limited participation

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering, 120 cr

Mobile Communications Systems EI3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6B2100 Degree Project	10	C	-	-	-	-					4	
6B3102 Signal Analysis	4	C	20	24	-	8	1					
6B3103 Communication Theory	4	C	24	22	-	8		2				
6B3105 Digital Communication Techniques	4	C	24	24	-	8				3		
6B3106 Wireless Communication Systems	4	C	20	20	-	8				3		
6B3109 Linear Systems	4	C	14	18	-	12	1					
6B3110 Communication Systems	6	C	24	20	-	12	1	2	3		Projektuppgift 12h	Projektuppgift 12h
Elective with												
6B2924 Programming in C++	4	B	16	-	-	24		2				
6B3107 Digital Signal Processing	4	C	-	46	-	4		2				
6B3108 Coding for Error Correcting Control	4	C	40	-	-	8		2				

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum

Courses, by

Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)[Next academic year \(03/04\)](#)

Electrical Engineering, 120 cr

Tele and Data Communication EI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6A2100 Degree Project	10	C	-	-	-	-					4	
6A2163 Unix/C++ <i>Under bearbetning</i>	4	C	-	-	-	-	1					
6A2186 Communication Networks	5	C	-	-	-	-	1					
6A2187 The Internet Protocols	5	C	-	-	-	-		2				
6A2188 Queuing Theory	4	C	-	-	-	-		2				
Elective with												
6A2165 Telecommunication Switching	4	C	-	-	-	-			3			
6A2166 Mobil Communication	4	C	40	-	-	-			3			
6A2167 Process Programming	4	C	-	-	-	-			3			
6A2168 Real Time Applications	4	C	-	-	-	-			3			

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering and Economics, 120 cr

Electrical Engineering and Economics, 120 cr EE2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6A2003 Digital and Computer Technology	8	B	-	-	60	36			3		
6A2111 Mathematical Statistics	3	B	-	-	-	-	1				
6A2114 Digital Systems	4	B	-	-	-	-				4	
6A2116 Telecommunication	6	B	34	20	-	16	1				
6A2117 Control System	6	B	-	-	-	-		2			
6A2903 Environment and Work Science	4	B	20	14	-	11		2			
6A2952 Cost Beneficial Analysis	5	B	-	-	-	-				3	
6A2953 Organisation and Individual	5	B	-	-	-	-					4
Elective Courses											
6A2925 Accounting, Intermediate Course	5	B	-	-	-	-					

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering and Economics, 120 cr

Electrical Engineering and Economics, 120 cr EE3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6A2955 Marketing	5	B	-	-	-	-			3		
Elective Courses											
6A2925 Accounting, Intermediate Course	5	B	-	-	-	-					
6A2927 Economic Analysis, Advanced Course	5	B	-	-	-	-					
6A2954 Learning Organisations	5	B	-	-	-	-	1	2			
6A2956 Marketing Communication	5	B	-	-	-	-				4	

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering and Economics, 120 cr

Computer Engineering and Communications EE3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6E3529 Algorithms and Data Structures	4	C	28	-	-	28	1				
6E3530 Object Oriented Programming	4	C	16	-	-	24		2			
6E3531 Computer Networks	3	C	24	-	-	20	1				
6E3535 Computer Communication, Intermediate Course	3	C	-	-	-	-	1				
6E3551 Database Technology	4	C	-	-	-	-		2			
6E3552 Development for the Web	4	C	-	-	-	-			3		
6E3555 Computer Network's Protocols	4	C	-	-	-	-		2	3		
6E3585 Degree Project in Applied Computer Science	10	C	-	-	-	-				4	

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering and Economics, 120 cr

Electronics Design EE3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6B2100 Degree Project	10	C	-	-	-	-					4	
6B3121 Semiconductor Devices	6	C	30	16	-	12	1	2				
6B3128 Digital Microelectronics	4	C	24	12	-	16		2	3			
6B3129 Electronic Project	4	C	-	-	-	-				3		
6B3131 Digital Design with VHDL	6	C	24	12	-	24	1					
6B3132 High-frequency Electronics	6	C	22	24	-	20		2				
Elective with												
6B3125 VLSI Technology	4	C	-	28	-	16				3		
6B3127 Radio Electronics	4	C	-	28	-	16				3		
6B3130 Embedded Systems	4	C	-	28	-	16				3		

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering and Economics, 120 cr

Embedded Systems Design EE3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6A2100 Degree Project	10	C	-	-	-	-				4	
6A2175 Digital Design	6	C	28	-	-	24			3		
6A2182 Electronic Circuits Fabrication Process	5	C	32	8	-	26	2	3		Study visit 15h	
6A2183 Real Time System	6	C	28	-	-	24			3		
6A2184 EMC of Electronic Project	5	C	36	8	-	16	1				
6A2185 Digital Signal Processing	4	C	24	-	-	16	2				
Elective with											
6A2989 PCB Fabrication	2	B	-	-	-	-					

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering and Economics, 120 cr

Industrial Economy and Entrepreneurship EE3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6B2200 Degree Project	10	C	-	-	-	-					4	
6B3201 Design Methods	4	C	-	-	-	-	1	2				
6B3205 Industrial Economics I	6	C	-	-	-	-	1		3			
6B3206 Manufacturing, Advanced Course 1	4	C	-	-	-	-	1	2				
6B3207 Industrial Economics, Project	5	C	-	-	-	-						
6B3286 Terms for Contractors	4	C	-	-	-	-		2	3			
6B3287 Industrial Management	4	C	-	-	48	-	1	2	3			
6B3289 Databases	4	C	-	-	-	-			3			
Elective with												
6B3212 Mechatronic Components	4	C	-	-	-	-	1	2				
6B3280 Computer Aided Design in 3-D	4	C	-	-	-	-	1	2				

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering and Economics, 120 cr

Industrial Business Administration and Manufacturing EE3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6E3504 Law for Engineers	3	B	36	4	-	-	1				
6E3538 Industrial Production of Electronics with Business Project	10	C	-	-	-	-	1	2	3		
6E3547 Quality Assurance	2	B	-	-	-	-	1				
6E3548 Quality Management	3	C	-	-	-	-		2			
6E3581 Degree Project in Industrial Business Adm. & Manufacturing	10	C	-	-	-	-				4	

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering and Economics, 120 cr

Media Technology EE3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6A3510 Degree Project in Media Technology	10	C	-	-	-	-					4	
6A3511 Media Technology, General Course	6	B	52	-	-	30	1					
6A3512 Text- and Image Processing	6	C	52	-	-	30		2	3			
6A3513 Digital Media Technology	6	C	52	-	-	-		2	3			
6A3514 Graphic Technology	4	C	39	15	-	-				3		
6A3515 Computer Networks and Communication	4	C	39	-	-	15	1					

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering and Economics, 120 cr

Mechatronics EE3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6B2200 Degree Project	10	C	-	-	-	-					4	
6B3205 Industrial Economics I	6	C	-	-	-	-	1		3			
6B3211 Mechatronics	12	C	-	-	-	-	1	2	3			
Elective with												
6B2250 Object Oriented Programming with VB.NET	5	B	32	12	-	24		2				
6B3206 Manufacturing, Advanced Course 1	4	C	-	-	-	-	1	2				
6B3212 Mechatronic Components	4	C	-	-	-	-	1	2				
6B3280 Computer Aided Design in 3-D	4	C	-	-	-	-	1	2				
Elective Courses												
6B3292 Laborations in Mecatronics <i>Under bearbetning</i>	4	B	-	-	-	-	1	2				

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum

Courses, by

Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)[Next academic year \(03/04\)](#)

Electrical Engineering and Economics, 120 cr

Micro Computer Systems EE3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6E3507 Realtime Systems*	4	C	-	-	-	-	1				
6E3508 Operating Systems	4	C	-	-	-	-	1				
6E3531 Computer Networks	3	C	24	-	-	20	1				
6E3535 Computer Communication, Intermediate Course	3	C	-	-	-	-	1				
6E3553 Applied Control Engineering <i>Under bearbetning</i>	4	C	-	-	-	-		2			
6E3554 Embedded Systems	4	C	-	-	-	-		2	3		
6E3582 Degree Project in Industrial Systems Technology	10	C	-	-	-	-				4	
Elective with											
6E3505 Power Electronics	4	C	-	-	-	-			3		
6E3529 Algorithms and Data Structures	4	C	28	-	-	28	1				

*The course has limited participation

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering and Economics, 120 cr

Mobile Communications Systems EE3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6B2100 Degree Project	10	C	-	-	-	-					4
6B3102 Signal Analysis	4	C	20	24	-	8	1				
6B3103 Communication Theory	4	C	24	22	-	8		2			
6B3105 Digital Communication Techniques	4	C	24	24	-	8				3	
6B3106 Wireless Communication Systems	4	C	20	20	-	8				3	
6B3109 Linear Systems	4	C	14	18	-	12	1				
6B3110 Communication Systems	6	C	24	20	-	12	1	2	3		Projektuppgift 12hProjektuppgift 12h
Elective with											
6B2924 Programming in C++	4	B	16	-	-	24		2			
6B3107 Digital Signal Processing	4	C	-	46	-	4		2			
6B3108 Coding for Error Correcting Control	4	C	40	-	-	8		2			

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Electrical Engineering and Economics, 120 cr

Tele and Data Communications EE3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6A2100 Degree Project	10	C	-	-	-	-					4	
6A2163 Unix/C++ <i>Under bearbetning</i>	4	C	-	-	-	-	1					
6A2186 Communication Networks	5	C	-	-	-	-	1					
6A2187 The Internet Protocols	5	C	-	-	-	-		2				
6A2188 Queuing Theory	4	C	-	-	-	-		2				
Elective with												
6A2165 Telecommunication Switching	4	C	-	-	-	-			3			
6A2166 Mobil Communication	4	C	40	-	-	-			3			
6A2167 Process Programming	4	C	-	-	-	-			3			
6A2168 Real Time Applications	4	C	-	-	-	-			3			

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

Previous academic year (01/02)

Next academic year (03/04)

Electronics and Communication

Electronics and Communication TIEMB1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6B2904 Engineering Skills	5	B	18	4	9	18	1				
6B2905 The Internet	5	B	24	12	-	16		2			
6B2906 Mathematics, Linear Algebra	5	B	24	20	4	16	1				
6B2907 Object Oriented Programming, General Course	5	B	34	12	-	24		2			
6B2908 Computer Network Project	5	B	14	-	48	28			3		
6B2910 Computer Technology	6	B	28	12	-	32				4	
6B2911 Digital Design	5	B	26	24	-	20			3		
Elective with											
9E1362 Spoken and written Swedish*	4	B	-	-	56	-		2	3		
Elective Courses											
6B2408 Multimedia Programming*	4	B	-	-	-	-			3	4	
6B2922 Computer Assisted Technical Information*	4	B	-	16	-	-				4	
6B2924 Programming in C++*	4	B	16	-	-	24				4	
6B2955 Mechanical Workshop*	4	B	-	-	-	-			3	4	
6B2998 Introduction to Mathematics	1	A	-	-	-	-	1				
6B2999 Introduction to Computer Studies	1	A	-	-	-	-	1				
6B3035 Object Oriented Programming Using C# and .NET*	5	B	-	-	-	-			3		
6B3608 General Aeronautics*	4	D	-	-	-	-			3		
9E1310 Engineering English, Intermediate Level*	4	B	-	-	56	-			3		
9E1311 Engineering English, Intermediate Level*	4	B	-	-	56	-				4	Semi intensive course

*The course has limited participation

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Business IT Engineering, 120 cr

Business IT Engineering, 120 cr TIASB1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6B2304 Objectoriented Programming with Java	6	B	14	28	-	-	2	3			
6B2305 Computer Communication	4	B	-	-	-	-		3	4		
6B2306 Industrial Economy, Accounting and Budgeting	3	B	-	-	-	-		3			
6B2308 Databases	4	B	-	-	-	-			4		
6B2310 IT-Business Systems, Basic Course	2	B	-	-	-	-			4		
6B2321 Mathematical Analysis	4	B	20	16	-	4	1	2			
6B2331 Networking Technology	5	B	-	-	-	-	1	2			
6B2901 Engineering Skills	6	B	-	-	-	-	1				
6B2980 Competence and Development	5	B	-	-	-	-			3	4	
6B2985 Industrial Economy, Basic Course	4	B	-	-	-	-	1	2			
Elective Courses											
6B2998 Introduction to Mathematics	1	A	-	-	-	-	1				
6B2999 Introduction to Computer Studies	1	A	-	-	-	-	1				

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Business IT Engineering, 120 cr

Business IT Engineering, 120 cr TIASB2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6B2311 IT-Business Systems, Advanced Course 1	4	B	10	45	-	-		2		4	
6B2315 Systems Planning and Security	4	B	24	8	-	-			3		
6B2323 Mathematics, Discrete	5	B	16	16	-	-			3	4	
6B2324 Descriptive Statistics	4	B	20	18	-	-		2			
6B2325 Project Management	4	B	-	-	-	-	1				
6B2327 Industrial Economy, Business Analysis, Advanced Course 2	4	B	24	16	-	-	1	2			
6B2332 Object Oriented Business Systems Development	4	C	-	-	-	-				4	
6B2927 Internet Development	4	C	12	-	-	20	1				
6B2980 Competence and Development	5	B	-	-	-	-		2		4	
Elective Courses											
6A2916 Communication and Multimedia*₋	4	C	20	40	-	20			3		80 h Projektuppgift80 h Projektuppgift
6A2933 Oral and Written Presentation Techniques, Advanced Course*₋	4	B	-	-	-	-			3	4	
6A2939 Applied Mathematics*₋	4	B	30	30	-	-			3		
6A2946 Multimedia 2B: Desktop Videoproduction*₋	4	C	20	40	-	20			3	4	80 h Projektuppgift80 h Projektuppgift
6A2987 Graphical User Interface*₋	4	C	20	40	-	20				4	80 h Projektuppgift80 h Projektuppgift
6A2995 No translation*₋ <i>Under bearbetning</i>	4		-	-	-	-				4	
6B2001 Introduction to C-programming*₋	4	B	24	-	-	26			3		
6B2922 Computer Assisted Technical Information*₋	4	B	-	16	-	-				4	
6B2934 Unix Basics*₋	5	B	-	-	-	-			3	4	
6B2955 Mechanical Workshop*₋	4	B	-	-	-	-			3	4	
6B3004 Functional and Logical Programming*₋	4	C	-	-	-	-			3		
6B3020 Computer Music*₋	5	C	-	-	-	-			3	4	
6B3021 Game- and 3D-programming*₋	4	C	-	-	-	-			3		
6B3035 Object Oriented Programming Using C# and .NET*₋	5	B	-	-	-	-			3		

6D2940 Water Chemistry	5	B	12	22	-	16				4	
6H3305 Media economy and media rights*	5	C	-	-	-	-				3	
9E1310 Engineering English, Intermediate Level*	4	B	-	-	56	-				3	
9E1311 Engineering English, Intermediate Level*	4	B	-	-	56	-				4	Semi intensive course

*The course has limited participation

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Business IT Engineering, 120 cr

Business IT Engineering, 120 cr TIASB3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6B2312 IT-Businesssystem, Advanced Course II	2	C	24	16	-	-	2				
6B2313 IT-Businesssystem, Project	6	C	8	16	-	-	1	2	3		
6B2314 Computer Communication Formats	3	C	12	16	-	-	1	2	3		
6B2317 Matematic and Physical Modeling	4	C	14	26	-	-	1				
6B2318 Industrial Organisation and Economy, Economic Reports	4	C	24	16	-	-	1				
6B2319 Commercial Law with Environmental and Work Law	5	C	22	12	-	-	2				
6B2320 Industrial Economy, Consolidation	2	C	10	8	-	-	2				
6B2399 Degree Project	10	C	-	-	-	-				4	
Elective Courses											
6B2332 Object Oriented Business Systems Development*	4	C	-	-	-	-			3		

*The course has limited participation

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum

Courses, by

Department

TMS Courses

Abbreviations

Previous academic year (01/02)

Next academic year (03/04)

TIGIB1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6B2904 Engineering Skills	5	B	18	4	9	18	1				
6B2905 The Internet	5	B	24	12	-	16		2			
6B2906 Mathematics, Linear Algebra	5	B	24	20	4	16	1				
6B2907 Object Oriented Programming, General Course	5	B	34	12	-	24		2			
6B2908 Computer Network Project	5	B	14	-	48	28			3		
Elective with											
6B2251 Industrial IT	6	B	30	16	-	28				4	
6B2252 Applied Digital Electronics	5	B	26	-	24	20			3		
6B2910 Computer Technology	6	B	28	12	-	32				4	
6B2911 Digital Design	5	B	26	24	-	20			3		
9E1362 Spoken and written Swedish*₋	4	B	-	-	56	-		2	3		
Elective Courses											
6B2408 Multimedia Programming*₋	4	B	-	-	-	-			3	4	
6B2922 Computer Assisted Technical Information*₋	4	B	-	16	-	-				4	
6B2924 Programming in C++*₋	4	B	16	-	-	24				4	
6B2955 Mechanical Workshop*₋	4	B	-	-	-	-			3	4	
6B2998 Introduction to Mathematics	1	A	-	-	-	-	1				
6B2999 Introduction to Computer Studies	1	A	-	-	-	-	1				
6B3035 Object Oriented Programming Using C# and .NET*₋	5	B	-	-	-	-			3		
6B3608 General Aeronautics*₋	4	D	-	-	-	-			3		
9E1310 Engineering English, Intermediate Level*₋	4	B	-	-	56	-			3		
9E1311 Engineering English, Intermediate Level*₋	4	B	-	-	56	-				4	Semi intensive course

*The course has limited participation

Study Handbook

Syllabus

Curriculum

Courses, by

Department

TMS Courses

Abbreviations

Previous academic year (01/02)

Next academic year (03/04)

Chemical Engineering, 120 cr

Chemical Engineering, 120 cr KI 1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6D2310 Mathematics	8	B	120	-	-	3	1	2	3		
6D2311 Mathematical Statistics	3	B	45	-	-	8				4	
6D2320 General and Physical Chemistry	9	B	36	16	-	40	1	2			
6D2321 Organic Chemistry	5	B	30	10	-	36		2	3		
6D2322 Analytical Chemistry	5	B	42	-	-	24			3	4	
6D2901 Engineering Skills	6	B	21	19	-	19	1	2	3	4	
Elective Courses											
1N1105 Ethics for Engineers	4	B	18	-	-	-			3		4 h Seminars 4 h Seminars
6A2933 Oral and Written Presentation Techniques, Advanced Course*	4	B	-	-	-	-			3	4	
6A2946 Multimedia 2B: Desktop Videoproduction*	4	C	20	40	-	20			3	4	80 h Projektuppgift 80 h Projektuppgift
6A2987 Graphical User Interface*	4	C	20	40	-	20				4	80 h Projektuppgift 80 h Projektuppgift
6A2995 No translation* <i>Under bearbetning</i>	4		-	-	-	-				4	
6B2922 Computer Assisted Technical Information*	4	B	-	16	-	-				4	
6B2924 Programming in C++*	4	B	16	-	-	24				4	
6B2955 Mechanical Workshop*	4	B	-	-	-	-			3	4	
6D2300 Introduction to Mathematics	1	A	-	-	-	-	1				
6D2302 Introduction to Chemistry	1	A	-	-	-	-	1				
6D2940 Water Chemistry	5	B	12	22	-	16				4	
6E2938 Supply and Marketing*	4	B	-	-	-	-				4	
6E3801 Management and Leadership*	4	C	-	-	-	-				4	

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Study Handbook

Syllabus

Curriculum

Courses, by

Department

TMS Courses

Abbreviations

Previous academic year (01/02)

Next academic year (03/04)

Chemical Engineering, 120 cr

Chemical Engineering, 120 cr KI2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6D2330 Chemical Engineering and Technology I	16	C	158	3	-	72	1	2	3	4	
6D2332 Electrical Measurements, Control Theory and Practice	4	B	42	-	-	21	1				
6D2333 Biochemistry with Microbiology	5	C	42	-	-	24				4	
6D2334 Industrial Ecology and Chemical Hazards	4	B	24	6	-	-			3		
6D2902 Business Administration	3	B	33	-	-	4		2			
Elective Courses											
1N1105 Ethics for Engineers	4	B	18	-	-	-			3		4 h Seminars 4 h Seminars
6A2916 Communication and Multimedia*₋	4	C	20	40	-	20			3		80 h Projektuppgift 80 h Projektuppgift
6A2933 Oral and Written Presentation Techniques, Advanced Course*₋	4	B	-	-	-	-			3	4	
6A2939 Applied Mathematics*₋	4	B	30	30	-	-			3		
6A2946 Multimedia 2B: Desktop Videoproduction*₋	4	C	20	40	-	20			3	4	80 h Projektuppgift 80 h Projektuppgift
6A2987 Graphical User Interface*₋	4	C	20	40	-	20				4	80 h Projektuppgift 80 h Projektuppgift
6A2995 No translation*₋ <i>Under bearbetning</i>	4		-	-	-	-				4	
6B2922 Computer Assisted Technical Information*₋	4	B	-	16	-	-				4	
6B2924 Programming in C++*₋	4	B	16	-	-	24				4	
6B2955 Mechanical Workshop*₋	4	B	-	-	-	-			3	4	
6B3608 General Aeronautics*₋	4	D	-	-	-	-			3		
6D2940 Water Chemistry	5	B	12	22	-	16				4	
6D2941 Organic Chemistry, Advanced Course 1	4	C	20	-	-	-			3		
6D2943 Organic Chemistry, Advanced Course 2	4	D	20	10	-	30				4	
6D2945 Bio-inorganic Chemistry	4	B	24	12	-	-			3		
6E2938 Supply and Marketing*₋	4	B	-	-	-	-				4	
6E3801 Management and Leadership*₋	4	C	-	-	-	-				4	

6E3804 Business Logistics and Transport Systems*_	4	C	-	-	-	-			3	
6H3305 Media economy and media rights*_	5	C	-	-	-	-			3	
9E1310 Engineering English, Intermediate Level*_	4	B	-	-	56	-			3	
9E1311 Engineering English, Intermediate Level*_	4	B	-	-	56	-			4	Semi intensive course

*The course has limited participation

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum

Courses, by

Department

TMS Courses

Abbreviations

Previous academic year (01/02)

Next academic year (03/04)

Chemical Engineering, 120 cr

Chemical Engineering, 120 cr KI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
1N1105 Ethics for Engineers	4	B	18	-	-	-			3		4 h Seminars 4 h Seminars
6A2916 Communication and Multimedia*	4	C	20	40	-	20			3		80 h Projektuppgift 80 h Projektuppgift
6A2933 Oral and Written Presentation Techniques, Advanced Course*	4	B	-	-	-	-			3	4	
6A2939 Applied Mathematics*	4	B	30	30	-	-			3		
6A2946 Multimedia 2B: Desktop Videoproduction*	4	C	20	40	-	20			3	4	80 h Projektuppgift 80 h Projektuppgift
6A2995 No translation* <i>Under bearbetning</i>	4		-	-	-	-				4	
6B2922 Computer Assisted Technical Information*	4	B	-	16	-	-				4	
6B2924 Programming in C++*	4	B	16	-	-	24				4	
6B2955 Mechanical Workshop*	4	B	-	-	-	-			3	4	
6B3608 General Aeronautics*	4	D	-	-	-	-			3		
6D2940 Water Chemistry	5	B	12	22	-	16				4	
6D2941 Organic Chemistry, Advanced Course 1	4	C	20	-	-	-			3		
6D2943 Organic Chemistry, Advanced Course 2	4	D	20	10	-	30				4	
6D2944 Organisational Development and Leadership	4	C	-	-	-	-			3		7 h Wholedays 7 h Wholedays
6D2945 Bio-inorganic Chemistry	4	B	24	12	-	-			3		
6E2938 Supply and Marketing*	4	B	-	-	-	-				4	
6E3801 Management and Leadership*	4	C	-	-	-	-				4	
6E3804 Business Logistics and Transport Systems*	4	C	-	-	-	-			3		
6H3305 Media economy and media rights*	5	C	-	-	-	-			3		
9E1310 Engineering English, Intermediate Level*	4	B	-	-	56	-			3		

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Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Chemical Engineering, 120 cr

Environment and Safety KI3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6D3701 Analytical Chemistry 2	5	D	20	10	-	40	2				
6D3704 Chemical Engineering and Technology 2	8	D	33	6	-	-	2	3			
6D3705 Environmental Technology	4	D	27	6	-	-	1	2			
6D3706 Environmental Legislation and Environmental Management	5	D	34	6	-	-	1	2			
6D3707 Risk Management	4	C	16	-	-	-	1				Seminars 30h
6D3790 Degree Project	10	D	-	-	-	-				4	

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Mechanical Engineering, 120 cr

Mechanical Engineering, 120 cr MI2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6B2206 Energy Technology, General Course	5	B	60	16	-	16	1	2			
6B2208 Automatic Control	4	B	25	10	-	24			3	4	
6B2211 Mathematical Statistics	3	B	30	2	-	20				4	
6B2212 Strength of Materials and Solid Mechanics, Basic Course	5	B	60	14	-	20	1	2			
6B2213 Quality, Basic Course	3	B	16	7	-	-	1				
6B2214 Machine Design, General Course	7	B	-	-	-	-		2	3		
6B2902 Business Administration	3	B	12	14	-	8			3		
6B2903 Environment and Work Science	4	B	-	-	-	-		2			
6E2201 Mechanics	5	B	-	-	-	-				3	
6E2206 Energy Technology, General Course	5	B	-	-	-	-	1	2			
6E2209 Computer Science	3	B	-	-	-	-		2			
6E2210 Mathematics	8	B	-	-	-	-		2			
6E2211 Mathematical Statistics	3	B	-	-	-	-		2			
6E2213 Quality, Basic Course	3	B	-	-	-	-	1				
6E2214 Machine Design, General Course	7	B	-	-	-	-			3	4	
6E2216 Color and Craft	4	B	-	-	-	-					
6E2902 Business Administration	3	B	26	6	-	8	1				
6E2904 Environment and Work Science	4	B	-	-	-	-	1				
6E3546 Quality in Design	3	C	-	-	-	-		2			
6S2408 Electrical and Control Engineering	5	B	-	-	-	-				4	
Elective Courses											
1N1105 Ethics for Engineers	4	B	18	-	-	-			3		4 h Seminars 4 h Seminars
6A2916 Communication and Multimedia*₋	4	C	20	40	-	20			3		80 h Projektuppgift 80 h Projektuppgift
6A2933 Oral and Written Presentation Techniques, Advanced Course*₋	4	B	-	-	-	-			3	4	
6A2939 Applied Mathematics*₋	4	B	30	30	-	-			3		
6A2946 Multimedia 2B: Desktop Videoproduction*₋	4	C	20	40	-	20			3	4	80 h Projektuppgift 80 h Projektuppgift

6A2987 Graphical User Interface*_	4	C	20	40	-	20			4	80 h Projektuppgift80 h Projektuppgift
6A2994 Lighting and Design	4	B	-	-	-	-			3	
6A2995 No translation*_ <i>Under bearbetning</i>	4		-	-	-	-			4	
6B2408 Multimedia Programming*_	4	B	-	-	-	-			3	4
6B2909 Advanced Project in Mechanics	4	C	-	-	-	-			3	
6B2922 Computer Assisted Technical Information*_	4	B	-	16	-	-			4	
6B2924 Programming in C++*_	4	B	16	-	-	24			4	
6B2934 Unix Basics*_	5	B	-	-	-	-			3	4
6B2955 Mechanical Workshop*_	4	B	-	-	-	-			3	4
6B2957 Mechanics with Simulation*_	4	C	-	-	-	-			3	
6B2961 Electrical Engineering, Advance Course*_	4	C	24	-	-	10			4	
6B3035 Object Oriented Programming Using C# and .NET*_	5	B	-	-	-	-			3	
6B3290 Management*_	4	C	14	28	-	-			4	
6B3608 General Aeronautics*_	4	D	-	-	-	-			3	
6D2940 Water Chemistry	5	B	12	22	-	16			4	
6E2909 Advanced Project in Mechanics*_	4	C	-	-	-	-			4	
6E2923 Computer System Skills*_	4	B	-	-	-	-			4	
6E2938 Supply and Marketing*_	4	B	-	-	-	-			4	
6E2946 Modelling and Computer Support in Product Development*_	4	C	-	-	-	-			3	
6E2947 Eco-management for Enterprises*_	4	C	-	-	-	-			4	
6E2957 Linux Basics*_	5	B	24	-	-	28			4	
6E2966 Energy Technology, Intermediate Course*_	4	C	-	-	-	-			4	
6E2970 Ergonomics in Product Development*_	4	B	-	-	-	-			4	
6E3801 Management and Leadership*_	4	C	-	-	-	-			4	
6E3804 Business Logistics and Transport Systems*_	4	C	-	-	-	-			3	
6H3305 Media economy and media rights*_	5	C	-	-	-	-			3	
9E1310 Engineering English, Intermediate Level*_	4	B	-	-	56	-			3	
9E1311 Engineering English, Intermediate Level*_	4	B	-	-	56	-			4	Semi intensive course

*The course has limited participation

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Mechanical Engineering, 120 cr

Mechanical Engineering, 120 cr MI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
1N1105 Ethics for Engineers	4	B	18	-	-	-			3		4 h Seminars 4 h Seminars
6A2916 Communication and Multimedia*	4	C	20	40	-	20			3		80 h Projektuppgift 80 h Projektuppgift
6A2933 Oral and Written Presentation Techniques, Advanced Course*	4	B	-	-	-	-			3	4	
6A2939 Applied Mathematics*	4	B	30	30	-	-			3		
6A2946 Multimedia 2B: Desktop Videoproduction*	4	C	20	40	-	20			3	4	80 h Projektuppgift 80 h Projektuppgift
6A2994 Lighting and Design	4	B	-	-	-	-			3		
6A2995 No translation* <i>Under bearbetning</i>	4		-	-	-	-				4	
6B2118 Medical Electronic Design*	5	B	-	16	-	16			3		
6B2909 Advanced Project in Mechanics	4	C	-	-	-	-			3		
6B2922 Computer Assisted Technical Information*	4	B	-	16	-	-				4	
6B2924 Programming in C++*	4	B	16	-	-	24				4	
6B2934 Unix Basics*	5	B	-	-	-	-			3	4	
6B2955 Mechanical Workshop*	4	B	-	-	-	-			3	4	
6B2957 Mechanics with Simulation*	4	C	-	-	-	-			3		
6B2961 Electrical Engineering, Advance Course*	4	C	24	-	-	10				4	
6B3035 Object Oriented Programming Using C# and .NET*	5	B	-	-	-	-			3		
6B3608 General Aeronautics*	4	D	-	-	-	-			3		
6D2940 Water Chemistry	5	B	12	22	-	16				4	
6D2944 Organisational Development and Leadership	4	C	-	-	-	-			3		7 h Wholedays 7 h Wholedays
6E2909 Advanced Project in Mechanics*	4	C	-	-	-	-				4	
6E2923 Computer System Skills*	4	B	-	-	-	-				4	
6E2926 Object-Oriented Programming with Java*	4	C	16	24	-	-				4	
6E2928 Advanced Script Programming in Python*	5	C	24	-	-	28			3		
6E2938 Supply and Marketing*	4	B	-	-	-	-				4	

6E2946 Modelling and Computer Support in Product Development*_	4	C	-	-	-	-			3	
6E2947 Eco-management for Enterprises*_	4	C	-	-	-	-			4	
6E2955 Design Patterns*_	5	C	-	-	-	-			3	
6E2957 Linux Basics*_	5	B	24	-	-	28			4	
6E2966 Energy Technology, Intermediate Course*_	4	C	-	-	-	-			4	
6E2970 Ergonomics in Product Development*_	4	B	-	-	-	-			4	
6E3801 Management and Leadership*_	4	C	-	-	-	-			4	
6E3804 Business Logistics and Transport Systems*_	4	C	-	-	-	-			3	
6H3305 Media economy and media rights*_	5	C	-	-	-	-			3	
9E1310 Engineering English, Intermediate Level*_	4	B	-	-	56	-			3	

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Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Mechanical Engineering, 120 cr

Industrial Economy and Entrepreneurship MI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6B2200 Degree Project	10	C	-	-	-	-					4	
6B3201 Design Methods	4	C	-	-	-	-	1	2				
6B3205 Industrial Economics I	6	C	-	-	-	-	1		3			
6B3206 Manufacturing, Advanced Course 1	4	C	-	-	-	-	1	2				
6B3286 Terms for Contractors	4	C	-	-	-	-		2	3			
6B3287 Industrial Management	4	C	-	-	48	-	1	2	3			
6B3289 Databases	4	C	-	-	-	-			3			
Elective with												
6B3212 Mechatronic Components	4	C	-	-	-	-	1	2				
6B3280 Computer Aided Design in 3-D	4	C	-	-	-	-	1	2				

Sidansvarig: Studiehandboksredaktionen, studiehandbok@kth.se

Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Mechanical Engineering, 120 cr

Industrial Business Administration and Manufacturing MI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6E3500 Industrial Business Administration and Marketing	10	C	92	4	-	20	1	2	3		
6E3504 Law for Engineers	3	B	36	4	-	-	1				
6E3548 Quality Management	3	C	-	-	-	-		2			
6E3549 Production Engineering, Intermediate Course	10	C	-	-	-	-	1	2	3		
6E3581 Degree Project in Industrial Business Adm. & Manufacturing	10	C	-	-	-	-				4	

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Mechanical Engineering, 120 cr

Concurrent Engineering MI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6B2200 Degree Project	10	C	-	-	-	-					4	
6B3201 Design Methods	4	C	-	-	-	-	1	2				
6B3202 Near Net Shape	4	C	-	-	-	-	1	2				
6B3203 Product Development	6	C	-	-	-	-		2	3			
6B3205 Industrial Economics I	6	C	-	-	-	-	1		3			
6B3214 Manufacturing, Advanced Course II	6	C	-	-	-	-	1	2	3			
Elective with												
6B3212 Mechatronic Components	4	C	-	-	-	-	1	2				
6B3280 Computer Aided Design in 3-D	4	C	-	-	-	-	1	2				

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses
Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Mechanical Engineering, 120 cr

Mechanical Design MI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6E3501 Production Engineering, Intermediate Course	8	C	-	-	-	-	1	2			
6E3520 Solid Mechanics with FEM, Intermediate Course	4	C	-	-	-	-	1				
6E3546 Quality in Design	3	C	-	-	-	-		2			
6E3550 Mechanical Design, Intermediate Course	11	C	-	-	-	-	1	2	3		
6E3580 Degree Project in Mechanical Design	10	C	-	-	-	-				4	
Elective with											
6E3543 Mechanical Design, Intermediate Course	6	C	-	-	-	-	1	2			
6E3544 Body and Structure Mechanics with Computer Aid	8	C	-	-	-	-	1		3		

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Mechanical Engineering, 120 cr

Mechatronics MI 3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other	
							1	2	3	4		
Compulsory Courses												
6B2200 Degree Project	10	C	-	-	-	-					4	
6B3205 Industrial Economics I	6	C	-	-	-	-	1		3			
6B3211 Mechatronics	12	C	-	-	-	-	1	2	3			
6B3285 Real-time Programming	4	C	-	-	-	-		2				
6B3291 Applied Automation Control	4	B	-	-	-	-	1	2				
Elective with												
6B3212 Mechatronic Components	4	C	-	-	-	-	1	2				
6B3280 Computer Aided Design in 3-D	4	C	-	-	-	-	1	2				
Elective Courses												
6B3292 Laborations in Mecatronics <i>Under bearbetning</i>	4	B	-	-	-	-	1	2				

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Maskinteknik TIMAS1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6S2400 Engineering Materials and Production, Project Course	5	B	-	-	-	-			3	4	
6S2401 Strength of Materials with Statics	5	B	-	-	-	-			3	4	
6S2402 Computerized Tools in Design Process	5	B	-	-	-	-	2				
6S2403 Engineering Materials and Production	5	B	-	-	-	-	1				
6S2409 Computer Programming	5	B	-	-	-	-			3	4	
6S2900 Engineering and Information Skills	5	B	-	-	-	-	1				
6S2901 Mathematics I	5	B	-	-	-	-		2			
6S2902 Business Economics and Organizational Behaviour	5	B	-	-	-	-			3	4	
Elective Courses											
6E2300 Introduction to Mathematics	1	A	-	-	-	-	1				
6E2301 Introduction to Computer Studies	1	A	-	-	-	-	1				

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Media Technology, 120 cr

Media Technology, 120 cr TIMEA1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Elective Courses											
6A2300 Introduction to Mathematics <i>Under bearbetning</i>	1	A	-	-	14	-	1				
6A2301 Introduction to Computer Studies <i>Under bearbetning</i>	1	A	-	-	14	-	1				

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Media Technology, 120 cr

Media Technology, 120 cr TIMEA2

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6A2335 Media Technology 1	6	C	52	-	-	30	1				
6A2336 Communication and Informationstechnology in Media	4	B	20	40	-	-				4	
6A2337 Databasetechnology and datacommunication	6	B	60	-	-	15		2	3		
6A2338 Audio- and Video Technology	4	C	36	-	-	12			3	4	
6A2339 Electronics and Digital Technology	4	B	36	-	-	12		2			
6A2980 Engineering Practice and Development	5	B	40	40	-	-			3		
6A2982 Mathematics	6	B	51	-	-	16	1	2			
6A2983 Mathematical Statistics	3	B	30	-	-	12			3		
Elective Courses											
1N1105 Ethics for Engineers	4	B	18	-	-	-			3		4 h Seminars 4 h Seminars
6A2915 Object Programming with C++*_	4	B	-	-	-	-			3		
6A2933 Oral and Written Presentation Techniques, Advanced Course*_	4	B	-	-	-	-			3	4	
6A2939 Applied Mathematics*_	4	B	30	30	-	-			3		
6A2942 Java for C++ Programmers*_	4	B	40	-	-	-			3		
6A2946 Multimedia 2B: Desktop Videoproduction*_	4	C	20	40	-	20			3	4	80 h Projektuppgift 80 h Projektuppgift
6A2991 Unix/Linux Basics*_	4	B	28	16	-	16			3		
6A2994 Lighting and Design	4	B	-	-	-	-			3		
6A2995 No translation*_ <i>Under bearbetning</i>	4		-	-	-	-				4	
6B2922 Computer Assisted Technical Information*_	4	B	-	16	-	-				4	
6B2955 Mechanical Workshop*_	4	B	-	-	-	-			3	4	
6D2940 Water Chemistry	5	B	12	22	-	16				4	
6E2938 Supply and Marketing*_	4	B	-	-	-	-				4	
9E1310 Engineering English, Intermediate Level*_	4	B	-	-	56	-			3		
9E1311 Engineering English, Intermediate Level*_	4	B	-	-	56	-				4	Semi intensive course

*The course has limited participation

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Media Technology, 120 cr

Media Technology, 120 cr TIMEA3

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6H3301 Radio technology	5	C	-	-	-	-	1				
6H3302 Television technology	5	C	-	-	-	-	1				
6H3303 Environmental technology and Work Science	5	B	-	-	-	-		2			
6H3399 Degree Project	10	C	-	-	-	-				4	
Elective Courses											
6H3304 Internet programming	5	C	-	-	-	-		2			
6H3305 Media economy and media rights	5	C	-	-	-	-			3		
6H3306 Geaphic Arts technology	5	C	-	-	-	-			3		

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum
Courses, by
Department

TMS Courses

Abbreviations

[Previous academic year \(01/02\)](#)

[Next academic year \(03/04\)](#)

Media Technology

Media Technology TIMEH1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6H2300 <u>Multimediaproduction, Engineering project</u> <i>Under bearbetning</i>	5	B	-	-	-	-	2				
6H2301 <u>Performance and design aspects</u> <i>Under bearbetning</i>	5	B	-	-	-	-		3			
6H2302 <u>Media technology introduction</u> <i>Under bearbetning</i>	5		-	-	-	-	1				
6H2900 <u>Engineering and Information Skills</u>	5	B	-	-	-	-	1				
6H2901 <u>Mathematics I</u>	5	B	-	-	-	-			4		
6H2902 <u>Business Economics and Organizational Behaviour</u> <i>Under bearbetning</i>	5	B	-	-	-	-			4		
6H2950 <u>Programming, Basic Course</u> <i>Under bearbetning</i>	5	B	-	-	-	-	2				
Elective Courses											
6H2303 <u>Mathematics</u> <i>Under bearbetning</i>	5	B	-	-	-	-		3			

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Uppdaterad: 2002-03-01

Study Handbook

Syllabus

Curriculum

Courses, by
Department

TMS Courses

Abbreviations

Previous academic year (01/02)

Next academic year (03/04)

Mekatronik och industriell IT TIMIB1

Code Name	Credits	Level	Lec	Tut	Le	Lab	Periods				Other
							1	2	3	4	
Compulsory Courses											
6B2250 Object Oriented Programming with VB.NET	5	B	32	12	-	24		2			
6B2251 Industrial IT	6	B	30	16	-	28				4	
6B2252 Applied Digital Electronics	5	B	26	-	24	20			3		
6B2904 Engineering Skills	5	B	18	4	9	18	1				
6B2905 The Internet	5	B	24	12	-	16		2			
6B2906 Mathematics, Linear Algebra	5	B	24	20	4	16	1				
6B2908 Computer Network Project	5	B	14	-	48	28				3	
Elective with											
9E1362 Spoken and written Swedish*₋	4	B	-	-	56	-		2	3		
Elective Courses											
6B2408 Multimedia Programming*₋	4	B	-	-	-	-			3	4	
6B2922 Computer Assisted Technical Information*₋	4	B	-	16	-	-				4	
6B2924 Programming in C++*₋	4	B	16	-	-	24				4	
6B2955 Mechanical Workshop*₋	4	B	-	-	-	-			3	4	
6B2998 Introduction to Mathematics	1	A	-	-	-	-	1				
6B2999 Introduction to Computer Studies	1	A	-	-	-	-	1				
6B3035 Object Oriented Programming Using C# and .NET*₋	5	B	-	-	-	-			3		
6B3608 General Aeronautics*₋	4	D	-	-	-	-			3		
9E1310 Engineering English, Intermediate Level*₋	4	B	-	-	56	-			3		
9E1311 Engineering English, Intermediate Level*₋	4	B	-	-	56	-				4	Semi intensive course

*The course has limited participation