

Master's Programme in Network Services and Systems 15/16

TNSSM

EXAMINATIONSKRAV - 40,5 hp obligatoriska kurser - 22,5-30 hp villkorligt valfria - 22,5-30 hp valfria - 30 hp examensarbete	Max 2 non-technical elective courses
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Course code	Course title	hp		Fördelning över perioderna			
		Credit points (hp)	Year/Quarter	P1	P2	P3	P4
Compulsory courses, 40,5hp							
EP2120	Internetworking	7,5	1/1	x			
AK2036	Methodology Theory of science	7,5	1/1	x			
EP2950	Wireless networks	7,5	1/2		x		
EP2500	Networked system security	7,5	1/2		x		
EP2300	Network management	7,5	2/1	x			
EPnnnn	The sustainable engineer	3	1-2/1-3	x	x	x	

Conditionally elective (courses within a track, at least 22,5hp)
Track: Design and Technology

Select one of the blocks of two courses, and at least one additional course from another block.

Block A - Network services

IK2213	Network services and internet based applications	7,5	1/4				x
EP2400	Network algorithms	7,5	2/2		x		

Block B - Network modelling

EP2200	Queuing theory	7,5	1/3			x	
EP2210	Performance analysis of communication networks	7,5	2/1	x			

Block C - Network security

EP2520	Building Networked system security	7,5	1/3			x	
EP2510	Advanced Networked system security	7,5	2/2		x		

Block D - Network technology

EQ2870	Machine to machine communications	7,5	1/3			x	
EL2745	Principles of wireless sensor networks	7,5	2/1	x			

Track: Enterprise

Select courses EH2770+EH2780, and one more course from the track.

EH2770	IT management with enterprise architecture I	7,5	1/4				x
IK2213	Network services and internet based applications	7,5	1/4				x
DD2385	Software Engineering	6	1/4				x
EH2780	IT management with enterprise architecture II	15	2/1+2	x	x		

Elective courses: all KTH courses, without overlap.
Max 2 non-technical courses.

Recommended elective courses

Epnnnn	Project course in network systems	7,5	1+2/1+2+3+	x	x	x	x
EP2200	Queuing theory	7,5	1/3			x	
EP2210	Performance analysis of communication networks	7,5	2/1	x			
EP2400	Network algorithms	7,5	2/2		x		
EP2520	Building Networked system security	7,5	1/3			x	
EP2510	Advanced Networked system security	7,5	2/2		x		
EL2745	Principles of wireless sensor networks	7,5	1/3			x	
EQ2870	Machine to machine communications	7,5	1/3			x	
EH2770	IT management with enterprise architecture I	7,5	1/4				x
EH2780	IT management with enterprise architecture II	12	2/1	x	x		
IK2200	Software Defined Networking	7,5	1/4				x
EN2401	Image and video processing	6	1/4				x
DD2448	Foundations of Cryptography	7,5	1/3			x	
DD2310	Java Programming for Python Programmers	1,5	1/2,3		x	x	
EQ2460	Seminars in Wireless Systems	3	2/3,4			x	x
EH2720	Management of Projects	7,5	2/1	x			
ME1000	Industrial Management	6	2/1	x			
EH2030	Business Development and Quality Management	7,5	2/2		x		
ME2043	Leadership in Cross-Cultural Context	6	2/2		x		
MJ2670	Risk Management	6	1/4				x

Master thesis project

EP240X	Master thesis project in communication networks	30	2/3+4			x	x
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