

Communication Systems, Master's programme

120 credits

Communication Systems, masterprogram

6MCSY

Valid from:

Determined by

Faculty Board of Institute of Technology

Date determined

2015-01-16

Introduction

For the complete syllabus, also see "Tekniska högskolans studiehandbok": https://kdb.it.liu.se/KDB/kdb-5.liu.se/liu/lith/studiehandboken/enutbplan560c-2016.html? &up_year=2016&up_ladokkod=6MCSY

Entry requirements

Degree in Swedish

Master of Science (120 credits) with a major in Electrical Engineering

Degree in English

Master of Science (two years) with a major in Electrical Engineering



Curriculum

Semester 2 (Spring 2017)

Course name	Credits	Level	Timetable module	ECV
Communication, Ethics and Sustainable Development	6*	G1X	-	С
Data Compression	6	A1N	2	С
Wireless Communications	6	A1F	4	С
Advanced Programming in C++	6*	A1N	2	E
Communication, Ethics and Sustainable Development	6*	G1X	-	С
Image and Audio Coding	6	A1X	4	С
Multiple Antenna Communications	6	A1F	2	С
Advanced Programming in C++	6*	A1N	-	E
	Communication, Ethics and Sustainable Development Data Compression Wireless Communications Advanced Programming in C++ Communication, Ethics and Sustainable Development Image and Audio Coding Multiple Antenna Communications	Communication, Ethics and Sustainable Development Data Compression 6 Wireless Communications 6 Advanced Programming in C++ Communication, Ethics and Sustainable Development Image and Audio Coding 6 Multiple Antenna Communications 6	Communication, Ethics and Sustainable Development Data Compression 6 A1N Wireless Communications 6 A1F Advanced Programming in C++ Communication, Ethics and Sustainable Development Image and Audio Coding 6 A1X Multiple Antenna Communications 6 A1F	Course name Credits Level module Communication, Ethics and Sustainable Development Data Compression 6 A1N 2 Wireless Communications 6 A1F 4 Advanced Programming in C++ Communication, Ethics and Sustainable Development Image and Audio Coding Multiple Antenna Communications 6 A1F 2

Semester 3 (Autumn 2017)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					
TSIN01	Information Networks	6	A1X	3	С
TSKS05	Communication Systems, Project Course	12*	A1X	4	С
TSKS12	Modern Channel Coding, Inference and Learning	6	A1N	1	С
TNE071	Microwave Engineering	6	A1X	1	E
TSIT03	Cryptology	6	A1X	2	E
Period 2					
TSKS05	Communication Systems, Project Course	12*	A1X	4	С
TNE083	Antenna Theory	6	A1X	2	E
TSEK02	Radio Electronics	6	A1X	3	E
TSKS11	Networks: Models, Algorithms and Applications	6	G2X	3	E



Semester 4 (Spring 2018)

Course code	Course name	Credits	Level	Timetable module	ECV
Period 1					_
TQXX30	Degree project - Master's Thesis	30*	A1X	-	С
Period 2					
TQXX30	Degree project - Master's Thesis	30*	A1X	-	С



ECV = Elective / Compulsory /Voluntary
*The course is divided into several semesters and/or periods