

# 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](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 code	Course name	Credits	Level	Timetable module	ECV
<b>Period 1</b>					
THEN24	Communication, Ethics and Sustainable Development	6*	G1X	-	C
TSBK08	Data Compression	6	A1X	2	C
TSKS13	Wireless Communications	6	A1F	4	C
TDDD38	Advanced Programming in C++	6*	A1X	2	E
<b>Period 2</b>					
THEN24	Communication, Ethics and Sustainable Development	6*	G1X	-	C
TSBK02	Image and Audio Coding	6	A1X	4	C
TSKS14	Multiple Antenna Communications	6	A1X	2	C
TDDD38	Advanced Programming in C++	6*	A1X	-	E

### Semester 3 (Autumn 2017)

Course code	Course name	Credits	Level	Timetable module	ECV
<b>Period 1</b>					
TSIN01	Information Networks	6	A1X	3	C
TSKS05	Communication Systems, Project Course	12*	A1X	4	C
TSKS12	Modern Channel Coding, Inference and Learning	6	A1X	1	C
TNE071	Microwave Engineering	6	A1X	1	E
TSIT03	Cryptology	6	A1X	2	E
<b>Period 2</b>					
TSKS05	Communication Systems, Project Course	12*	A1X	4	C
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
<b>Period 1</b>					
TQXX30	Degree project - Master's Thesis	30*	A1X	-	C
<b>Period 2</b>					
TQXX30	Degree project - Master's Thesis	30*	A1X	-	C

ECV = Elective / Compulsory / Voluntary

\*The course is divided into several semesters and/or periods