

# Intelligent Transport Systems and Logistics, Master's programme

120 credits

Intelligent Transport Systems and Logistics,  
masterprogram

6MTSL

Valid from: 2016 Spring semester

**Determined by**

Faculty Board of Institute of Technology

**Date determined**

2015-01-16

## Introduction

For the complete komplett syllabus, also see "Tekniska högskolans studiehandbok":  
[http://kdb-5.liu.se/liu/lith/studiehandboken/enutbplan.lasso?  
&up\\_year=2017&up\\_ladokkod=6MTSL](http://kdb-5.liu.se/liu/lith/studiehandboken/enutbplan.lasso?&up_year=2017&up_ladokkod=6MTSL)

## Degree requirements

### Degree in Swedish

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

### Degree in English

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

## Curriculum

### Semester 2 (Spring 2017)

| Course code     | Course name                         | Credits | Level | Timetable module | ECV |
|-----------------|-------------------------------------|---------|-------|------------------|-----|
| <b>Period 1</b> |                                     |         |       |                  |     |
| TNK087          | Data Communication and the Internet | 6       | A1X   | 4                | E   |
| TNK095          | Traffic Planning and Simulation     | 6       | A1X   | 2                | C   |
| TNK099          | Logistics Networks and Transports   | 6       | A1X   | 3                | C   |
| TNK110          | Mobile Communication and Networks   | 6*      | A1X   | 1                | C   |
| <b>Period 2</b> |                                     |         |       |                  |     |
| TNK080          | Wireless Communication Systems      | 6       | A1X   | 1                | E   |
| TNK096          | Traffic Demand Modelling            | 6       | A1X   | 2                | E   |
| TNK100          | Logistics Resource Planning         | 6       | A1X   | 3                | E   |
| TNK110          | Mobile Communication and Networks   | 6*      | A1X   | 4                | C   |

### Semester 3 (Autumn 2017)

| Course code     | Course name   | Credits | Level | Timetable module | ECV |
|-----------------|---|---------|-------|------------------|-----|
| <b>Period 1</b> |   |         |       |                  |     |
| TEIO88          | Project Management                                    | 6*      | A1X   | 3                | C   |
| TNK101          | Traffic Engineering and Control                       | 6       | A1X   | 1                | E   |
| TNK104          | Applied Optimization I                                | 6       | A1X   | 4                | E   |
| TNK106          | Positioning Systems                                   | 6       | A1X   | 2                | C   |
| <b>Period 2</b> |   |         |       |                  |     |
| TEIO88          | Project Management                                    | 6*      | A1X   | 3                | C   |
| TNK098          | Planning of Public Transportation and Railway Traffic | 6       | A1X   | 4                | E   |
| TNK103          | Analysis of Communication and Transport Systems       | 6       | A1X   | 1                | C   |
| TNK105          | Applied Optimization II                               | 6       | A1X   | 3                | E   |
| TNK114          | Logistics in Supply Chains                            | 6       | A1X   | 2                | E   |
| TNK115          | Smart Cities  | 6       | A1X   | 4                | 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   |

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