# Programming, Bachelor's Programme

180 credits

Innovativ programmering, kandidatprogram

6KIPR

Valid from: 2016 Autumn semester

**Determined by**

Board of Studies for Computer Science
and Media Technology

**Date determined**

2016-01-19

## Entry requirements

## Degree in Swedish

Kandidatexamen, 180 hp.

# Curriculum

## Semester 2 (Spring 2017)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|---|---|---|---|---|---|
| **Period 1** | | | | | |
| TDP007 | Computer Language Construction | 6 | G1X | - | C |
| TDP019 | Project: Computer Language | 10* | G1F | - | C |
| TDTS04 | Computer Networks and Distributed Systems | 8 | G2X | 2 | C |
| TGTU35 | Introduction to University Studies | 2* | G1X | - | V |
| **Period 2** | | | | | |
| TDP015 | Mathematics | 6 | G1X | 3 | C |
| TDP019 | Project: Computer Language | 10* | G1F | - | C |
| TGTU35 | Introduction to University Studies | 2* | G1X | - | V |

## Semester 3 (Autumn 2017)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|---|---|---|---|---|---|
| **Period 1** | | | | | |
| TDDI16 | Data Structures and Algorithms | 6 | G1X | 3 | C |
| TDP013 | Web Programming and Interactivity | 6 | G2X | 2 | C |
| TDP028 | Project: Entrepreneurial Programming | 10* | G2X | 1 | C |
| **Period 2** | | | | | |
| TDDD49 | Programming in C# and .NET Framework | 4 | G2X | 3 | C |
| TDP028 | Project: Entrepreneurial Programming | 10* | G2X | 4 | C |
| TSIU02 | Computer Hardware and Architecture | 4 | G1X | 2 | C |

## Semester 4 (Spring 2018)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|---|---|---|---|---|---|
| **Period 1** | | | | | |
| TDIU11 | Operating Systems | 6 | G2X | 3 | C |
| TDP022 | Interactive Systems | 6 | G2X | 4 | C |
| TDP029 | Project: Agile System Development | 8* | G2X | 1 | C |
| **Period 2** | | | | | |
| TDDD12 | Database Technology | 6 | G2X | 4 | C |
| TDIU16 | Concurrent and Operating Systems Programming | 4 | G2X | 3 | C |
| TDP029 | Project: Agile System Development | 8* | G2X | 1 | C |
| TPTE06 | Industrial Placement | 6 | G1X | - | E |

## Semester 5 (Autumn 2018)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|---|---|---|---|---|---|
| **Period 1** | | | | | |
| TDDI41 | Introduction to System Administration | 8* | G1X | 1 | C |
| TDP017 | Company Project | 10* | G2X | 4 | C |
| TDP024 | Enterprise Systems | 6 | G2X | 1 | C |
| TDDC17 | Artificial Intelligence | 6 | G2X | 3 | E |
| TDDD23 | Design and Programming of Computer Games | 6 | A1X | 2 | E |
| TDDD38 | Advanced Programming in C++ | 6* | A1X | 2 | E |
| **Period 2** | | | | | |
| TDDI41 | Introduction to System Administration | 8* | G1X | 2 | C |
| TDP017 | Company Project | 10* | G2X | 4 | C |
| TDDD38 | Advanced Programming in C++ | 6* | A1X | - | E |
| TDDD55 | Compilers and Interpreters | 4 | G2X | 1 | E |
| TSIT01 | Computer Security | 4 | G2X | 3 | E |


LINKÖPINGS UNIVERSITET

## Semester 6 (Spring 2019)

| Course code | Course name | Credits | Level | Timetable module | ECV |
|---|---|---|---|---|---|
| **Period 1** | | | | | |
| TDP026 | Scientific Method in Programming | 6 | G2X | 1 | C |
| TDDA69 | Data and Program Structures | 6* | G2X | 3 | E |
| TDDD50 | Green Computing | 4 | G2X | 4 | E |
| TDP030 | Language Technology | 6 | G2X | 2 | E |
| TEIE88 | Computer Law | 4 | G1X | 1 | E |
| TEIO94 | Entrepreneurship and Idea Development | 6* | G2X | 4 | E |
| **Period 2** | | | | | |
| TQXX10 | Degree project - Bachelor's Thesis | 16 | G2X | - | C |
| TDDA69 | Data and Program Structures | 6* | G2X | 1 | E |
| TEIO94 | Entrepreneurship and Idea Development | 6* | G2X | 4 | E |

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