

Bachelor's Programme in Statistics and Data Analysis

Kandidatprogrammet i statistik och dataanalys
180 credits

F7KSA

Valid from: 2022 Autumn semester

Determined by

Board of the Faculty of Arts and Sciences

Date determined

2006-08-30

Revised by

Course and Programme Syllabus Board at the Faculty of Arts and Sciences

Revision date

2014-02-14; 2016-03-18; 2018-06-20; 2021-06-28

Registration number

LiU-2013-00295; LiU-2021-02849

Offered first time

Autumn semester 2014

Offered for the last time

Replaced by

Entry requirements

General entry requirements for undergraduate studies
and
Social Studies, English and Mathematics corresponding to the level in Swedish
upper secondary education (Samhällskunskap 1b or 1a1 and 1a2, Engelska 6,
Matematik 3b or 3c)

Degree in Swedish

Filosofie kandidatexamen med huvudområde Statistik

Degree in English

Degree of Bachelor of Science (180 credits) with a major in Statistics

Curriculum

Semester 1 (Autumn 2022)

Course code	Course name	Credits	Level	Weeks	ECV
732G45	Introductory Statistics and Data Analysis	30	G1N	v202234-202303	C

Semester 2 (Spring 2023)

Course code	Course name	Credits	Level	Weeks	ECV
732G33	Programming in R	7.5	G1N	v202304-202313	C
764G01	Linear Algebra	7.5	G1N	v202304-202313	C
732G38	Survey Methods	7.5	G1N	v202314-202323	C
732G42	Introductory Time Series Analysis	7.5	G1N	v202314-202323	C

Semester 3 (Autumn 2023)

Course code	Course name	Credits	Level	Weeks	ECV
732G46	Regression Analysis and Analysis of Variance	15	G1F	v202334-202403	C
764G07	Mathematical Analysis	15	G1F	v202334-202403	C

Semester 4 (Spring 2024)

Course code	Course name	Credits	Level	Weeks	ECV
732G17	Introduction to SAS programming	7.5	G1F	v202404-202413	C
732G20	Theory of Statistics	7.5	G1F	v202404-202416	C
732G39	Statistics Project	7.5	G1F	v202404-202423	C
732G16	Databases: Design and Programming	7.5	G1F	v202414-202423	C

Semester 5 (Autumn 2024)

Course code	Course name	Credits	Level	Weeks	ECV
732G08	Multivariate Methods	7.5	G2F	v202434-202443	E
732G12	Data Mining	7.5	G2F	v202434-202443	E
732G34	Statistical Methods for Complex Data	7.5	G2F	v202444-202503	E
732G43	Bayesian Statistics	7.5	G2F	v202444-202503	E

Semester 6 (Spring 2025)

Course code	Course name	Credits	Level	Weeks	ECV
764G03	Multivariable calculus	7.5	G1X	v202504-202513	E
732G47	Bachelor's Thesis in Statistics	15	G2E	v202504-202523	C

ECV = Elective / Compulsory / Voluntary
*Kursen läses över flera terminer