Bachelor´s Programme in Statistics and Data Analysis

Kandidatprogrammet i statistik och dataanalys
180 credits

F7KSA

Valid from: 2023 Autumn semester

Determined by

Board of the Faculty of Arts and Sciences

Date determined

2006-08-30

Revised by

Chairman of the 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; 2022-04-29; 2023-12-20

Registration number

LiU-2013-00295; LiU-2021-02849; LiU-2022-01923; LiU-2023-01783

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 with a major in Statistics

Curriculum

Semester 1 (Autumn 2025)

Course code	Course name	Credits	Level	Weeks	ECV
732G48	Introductory Statistics and Data Analysis	20	G1N	v202534-202603	C
764G09	Introduction to Mathematics, Linear Algebra and Logic for Statisticians	10	G1N	v202534-202603	C

Semester 2 (Spring 2026)

Preliminary courses

Course code	Course name	Credits	Level	Weeks	ECV
732G33	Programming in R	7.5	G1N		C
732G49	Introductory Statistics and Data Analysis: Inference	7.5	G1N		C
764G07	Mathematical Analysis	15	G1N		C

Semester 3 (Autumn 2026)

Preliminary courses

Course code	Course name	Credits	Level	Weeks	ECV
732G51	Research Methods: Statistical sampling and design	7.5	G1F		C
732G52	Time Series Analysis	7.5	G1F		C
732G53	Linear Models in Statistics 1	7.5	G1F		C
732G54	Linear Models in Statistics 2	7.5	G1F		C

Semester 4 (Spring 2027)

Preliminary courses

Course code	Course name	Credits	Level	Weeks	ECV
732G16	Databases: Design and Programming	7.5	G1F		C
732G20	Theory of Statistics	7.5	G1F		C
732G55	Introduction to SAS Programming	6	G1F		C
732G56	Statistical Project	9	G1F		C

Semester 5 (Autumn 2027)

Preliminary courses

Course code	Course name	Credits	Level	Weeks	ECV
732G08	Multivariate Methods	7.5	G2F		E
732G34	Statistical Methods for Complex Data	7.5	G2F		E
732G43	Bayesian Statistics	7.5	G2F		E
732G57	Machine Learning for Statisticians	7.5	G2F		E

Semester 6 (Spring 2028)

Preliminary courses

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

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