

# Bachelor Data Science – Typical Study Plan

1	Introduction to Statistics	Introductory Programming	Information Systems	Linear Algebra I		Analysis for DS I
2	Hands-on Machine Learning and Data Science		Algorithms and Data Structures	Linear Algebra II		Analysis for DS II
3	Foundations of Data Science		Advanced Programming	Introduction to Stochastics	Optimization	Focus Area
4	Foundations of Machine Learning		Data Science Lab	Statistical Learning	Studium Pro	Focus Area
5	Practical Training		Ethics for Algorithms and Data	General Elective	General Elective	Focus Area
6	Thesis		Seminar	General Elective	Focus Area	Focus Area