

Data Science Course Schedule

Starting Fall 2016—one course per term

Fall 2016	605.421	Foundations of Algorithms
Spring 2017	625.403	Statistical Methods and Data Analysis
Summer 2017	605.441	Principles of Database Systems
Fall 2017	625.415	Introduction to Optimization ¹
Spring 2018	625.461	Statistical Models and Regression ¹
Summer 2018	625.725	Theory of Statistics I
Fall 2018	605.448	Data Science
Spring 2019	605.462	Data Visualization
Summer 2019	605.741	Large-Scale Database Systems ²
Fall 2019	625.464	Computational Statistics ¹

Starting Fall 2016—two courses per term

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Spring 2017	625.403	Statistical Methods and Data Analysis	605.741	Large-Scale Database Systems ²
Fall 2017	625.464	Computational Statistics ¹	625.415	Introduction to Optimization ¹
Spring 2018	625.461	Statistical Models and Regression ¹	605.462	Data Visualization
Fall 2018	625.740	Data Mining ¹ OR 625.725	605.448	Theory of Statistics I Data Science

Starting Spring 2017—one course per term

Spring 2017	605.421	Foundations of Algorithms
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Spring 2018	605.441	Principles of Database Systems
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Starting Spring 2017—two courses per term

Spring 2017	605.441	Principles of Database Systems	605.421	Foundations of Algorithms
Summer 2017	625.403	Statistical Methods and Data Analysis	605.741	Large-Scale Database Systems ²
Fall 2017	625.464	Computational Statistics ¹	625.415	Introduction to Optimization ¹
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Fall 2018	625.740	Data Mining ¹ OR 625.725	605.448	Theory of Statistics I Data Science

¹ Requires background in matrices and linear algebra. 605.409 Matrix Theory is sufficient but not necessary.

² Requires 605.481 Enterprise and Web Computing or equivalent background.