

List of modules offered in Academic Year 2019-2020

Future semesters are subject to change.

Semester 2

YSC1216	Calculus
YSC1212	Introduction to Computer Science
YSC2213	Discrete Mathematics
YSC2239	Introduction to Data Science
YSC2221	Introduction to Python (2MC)#
YSC2229	Introductory Data Structures and Algorithms
YSC2232	Linear Algebra
YSC2244	Programming for Data Science
YSC2209	Proof
YSC3239	Geometry and the Emergence of Perspective
YSC3240	Foundations of Applied Mathematics
YSC3208	Programming Language Design and Implementation
YSC3217	Programming Operating Systems, Interfaces & eXtras
YSC3249	Statistical Inference
YSC4224	Data Science Accelerator
YSC4206	Harmonic Analysis
YSC4103	MCS Capstone Project (Seminar)
YSC3252	Statistical Computing
YSC4225	Stochastic Processes and Models

Semester 1

YSC1216	Calculus of a Single Variable
YSC1212	Introduction to Computer Science
YSC2227	C: A Language for Science and Engineering (2MC)#
YSC2221	Introduction to Python (2MC) #
YSC2209	Proof
YSC2232	Linear Algebra
YSC2239	Introduction to Data Science
YSC2243	Probability
YSC2244	Programming for Data Science
YSC3203	Advanced Algorithms and Data Structures
YSC3206	Introduction to Real Analysis
YSC3236	Functional Programming and Proving
YSC3237	Introduction to Modern Algebra
YSC3248	Parallel, Concurrent and Distributed Programming
YSC3232	Software Engineering
YSC4216	Machine Learning
YSC4103	MCS Capstone Project (Seminar)

Note: Modules marked # cannot be counted towards the Major.