DATA SCIENCE (DATA)

DATA 101 Introduction to Data Science (4 Credits)
Prerequisites: MTH 095 or higher (except MTH 098, MTH 102) or minimum placement Math Level 18.
Recommended preparation: MTH 105Z.
Introduces students to the essential concepts of data science, emphasizing the critical thinking and analytical skills required to work with data. Develops ability to tell a story from real-world data sets, using key computational and quantitative techniques such as spreadsheets, programming and statistical inference. Engages with diverse data from various domains, applying data preparation, analysis and visual storytelling methods. Explores the ethical implications of data collection, decision-making driven by data, and privacy concerns, developing the skills to communicate these issues responsibly and effectively.