DSA - DATA SCIENCE AND ANALYTICS

DSA 6000 Data Science and Analytics Cr. 3
Basic data science and analytics concepts covered through case studies, success stories, and a semester project that cuts across all course modules. Offered Yearly.
Restriction(s): Enrollment is limited to students with a major in Data Sci & Business Analytics.

DSA 6100 Statistical Methods for Data Science & Analytics Cr. 3
Statistical methods and techniques required for data science and analytics applications covered through case studies, success stories, and a semester project that cuts across all course modules. Offered Yearly.
Restriction(s): Enrollment is limited to students with a major in Data Sci & Business Analytics.
Course Material Fees: $50

DSA 6200 Operations Research Cr. 3
Mathematical optimization models that come into play in data science and analytics applications covered through case studies and a semester project. Heuristic solution approaches will also be addressed along with sensitivity analysis techniques. Offered Yearly.
Restriction(s): Enrollment is limited to students with a major in Data Sci & Business Analytics.

DSA 6300 Decision Analysis and Simulation Cr. 3
Coherent approach to decision making, developing rules of thought to transform complex decisions into simpler decision situations covered through case studies, success stories, and a semester project that cuts across all course modules. Discusses role of discrete-event simulation for improving decision support. Offered Yearly.
Restriction(s): Enrollment is limited to students with a major in Data Sci & Business Analytics.

DSA 7500 Practicum Cr. 6
Apply theoretical knowledge acquired throughout the Big Data & Business Analytics MS program to a challenging project involving real-world business problems/opportunities and data analytics in a reliable, scalable, distributed computing environment. Offered Yearly.
Restriction(s): Enrollment is limited to Graduate level students; enrollment is limited to students with a major in Data Sci & Business Analytics.
Course Material Fees: $50
Equivalent: DSB 7500, DSE 7500