

B.S. in Data Science Elective Course List 2024

Comprehensive Elective Course List: Student have the option of picking up to 6 courses.	
Course	CH
COMP 421 Files and Databases	3
COMP 486 Applications of Natural Language Processing	3
COMP 488 Data Science in the Business World	3
COMP 550 Algorithms and Analysis	3
COMP 560 Artificial Intelligence	3
COMP 576 Mathematics for Image Computing	3
COMP 664 Deep Learning	3
COMP 722	3
MATH 528 Mathematical Methods for the Physical Sciences I	3
MATH 529 Mathematical Methods for the Physical Sciences II	3
MATH 550 Topology	3
MATH 577 Linear Algebra	3
MATH 594 Nonlinear Dynamics	3
MATH 590 Topics in Mathematics	3
MATH 662 Scientific Computation II	3
STOR 455 Methods of Data Analytics	3
STOR 445 Stochastic Modeling	3
STOR 515 Dynamic Decision Analytics	3
STOR 538 Sports Analytics	3
STOR 555 Math Stat	3
STOR 556 Time Series Data Analysis	3
STOR 557 Advanced Methods of Data Analysis	3
STOR 590 Special Topics in Statistics and Operations Research	3
STOR 712 - Optimization for Machine Learning and Data Science	3
STOR 893 Large scale Optimization for Machine Learning and Data Analysis	3
BIOS 645 Principles of Experimental Analysis	3
BIOS 664 Sample Survey Methodology (4)	4