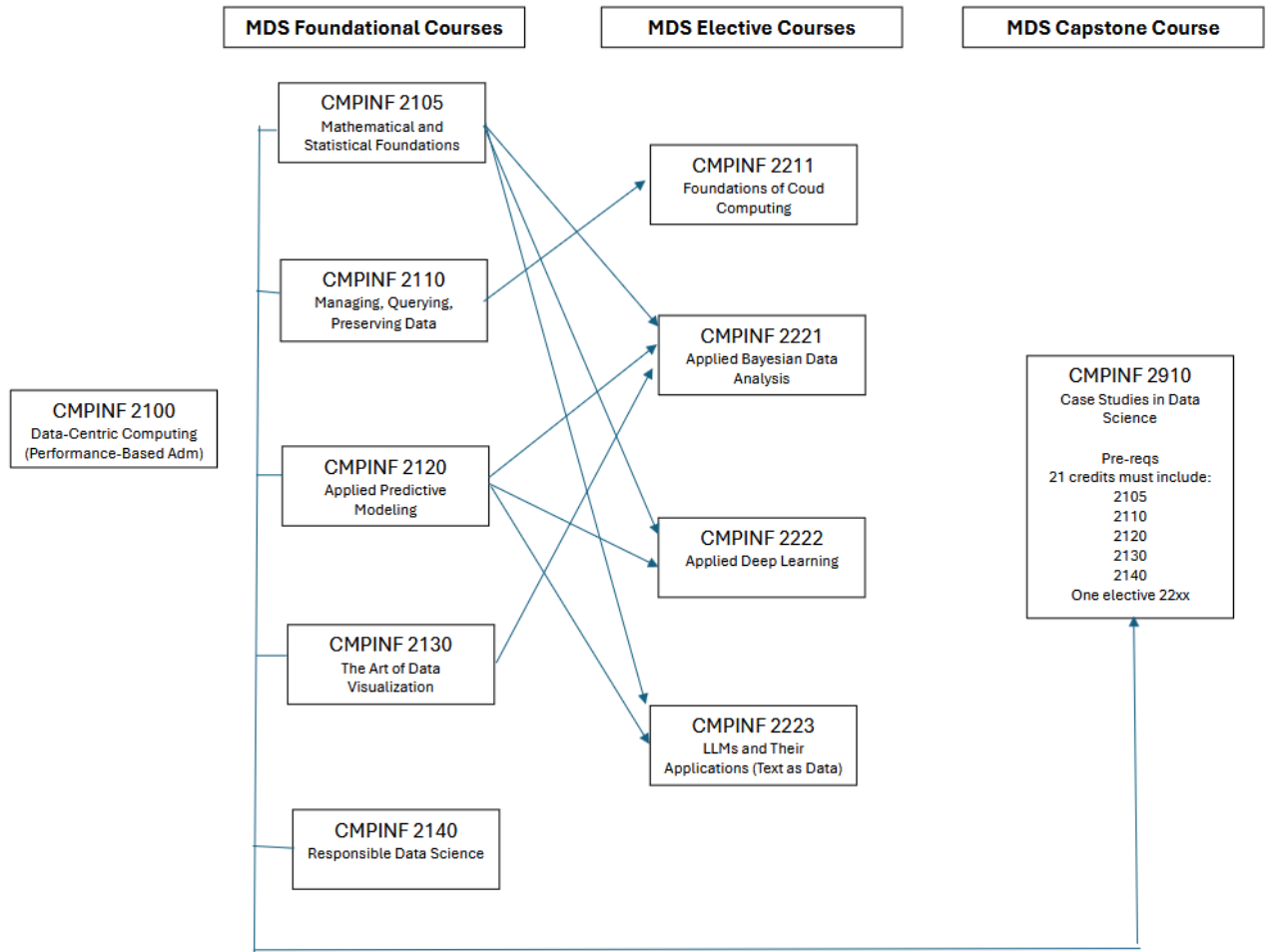


# MDS Pre-requisites Chart



The Master of Data Science (MDS) degree requires successful completion of the ten (10) required MDS courses AND an overall (cumulative) GPA of 3.0 or higher. The performance-based admissions (PBA) course, CMPINF 2100 Data-Centric Computing, is the first MDS course that must be successfully completed with a B or better to be admitted to the MDS program. Foundational courses include: CMPINF 2105 Mathematical & Statistical Foundations; CMPINF 2110 Managing, Querying, & Preserving Data; CMPINF 2120 Applied Predictive Modeling; CMPINF 2130 The Art of Data Visualization; and CMPINF 2140 Responsible Data Science. Elective courses include: CMPINF 2211 Foundations of Cloud Computing (pre-requisite is CMPINF 2110 Managing, Querying, Preserving Data); CMPINF 2221 Applied Bayesian Data Analysis (pre-requisites are CMPINF 2105 Mathematical and Statistical Foundations and CMPINF 2120 and Applied Predictive Modeling and CMPINF

2130 The Art of Data Visualization); CMPINF 2222 Applied Deep Learning (pre-requisites are CMPINF 2105 Mathematical and Statistical Foundations and CMPINF 2120 Applied Predictive Modeling); CMPINF 2223 LLMs and Their Applications formerly titled Text as Data (pre-requisites are CMPINF 2105 Mathematical and Statistical Foundations and CMPINF 2120 Applied Predictive Modeling). The Capstone course is CMPINF 2910 Case Studies in Data Science and pre-requisites include successful completion of the five foundational courses and one elective course.