CMDA Major Requirements
Economics Option

Students take either the Integrated Path or the Traditional Path.

**Integrated Path**

- CS 1114 Intro to Software Design
- CMDA 2005 Integrated Quantitative Science I
- CMDA 2006 Integrated Quantitative Science II
- CS 2114 Software Design & Data Structures
- CMDA 3634 CS Foundations of CMDA
- CMDA 3605 Math Modeling I
- CMDA 3606 Math Modeling II
- CMDA 4864 CMDA Capstone Project

**Traditional Path**

- MATH 1225 Calculus of a Single Variable I
- MATH 1226 Calculus of a Single Variable II
- MATH 2114 Intro to Linear Algebra
- MATH 2214 Intro to Differential Eqns
- STAT 3005 Stat Methods I
- STAT 3006 Stat Methods II
- STAT 3104 Probability and Distributions
- STAT 3204 Macroeconomic Theory
- CS 2114 Intro to Software Design & Data Structures
- CMDA 3634 CS Foundations of CMDA
- CMDA 3605 Math Modeling I
- CMDA 3606 Math Modeling II
- CMDA 3654 Intro Data Analytics & Visualization
- CMDA 4654 Intermediate Data Analytics & ML
- ECON 2005 Principles of Economics
- ECON 2006 Principles of Economics
- ECON 3104 Microeconomic Theory
- ECON 3204 Macroeconomic Theory
- ECON 4304 Econometrics
- ECON 4424 Theory of Games & Econ Behavior
- + 6 credits of electives (3 credits of ECON, 3 credits of ECON/CMDA)

CMDA 4864 (CMDA Capstone) requires the prerequisite of CMDA 3605, 3634, and 3654. Students are strongly encouraged to also take CMDA 3606 and 4654 before the CMDA Capstone.