**CMDA Major Requirements**

**Economics Option**

**Integrated Path**
- CS 1114 Intro to Software Design
- MATH 1225 Calculus of a Single Variable I
- MATH 2214 Intro to Linear Algebra
- MATH 2204 Intro to Multivariable Calc
- STAT 3005 Stat Methods I
- CMDA 3634 Math Modeling I
- CMDA 3605 Intro Data Analytics & Visualization

**Traditional Path**
- CS 2114 Software Design & Data Structures
- MATH 1226 Calculus of a Single Variable II
- MATH 2214 Intro to Differential Eqns
- STAT 3006 Stat Methods II
- STAT 3104 Probability and Distributions

**Junior**
- CMDA 3606 Math Modeling II
- CMDA 4654 Intermediate Data Analytics & ML
- CMDA 4664 CMDA Capstone Project

**Senior**
- CMDA 4864 CMDA Capstone

**Freshman**
- ECON 2005 Principles of Economics
- ECON 2006 Principles of Economics

**Sophomore**
- ECON 2005 Theory of Games & Econ Behavior
- ECON 4304 Econometrics

**Notes:**
- Students take either the Integrated Path or the Traditional Path.
- 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.
- + 6 credits of electives (3 credits of ECON, 3 credits of ECON/CMDA)