CMDA Major Requirements
Economics Option

Freshman
CS 1114 Intro to Software Design

Sophomore
CS 2114 Software Design & Data Structures

Integrated Path
CMDA 2005 Integrated Quantitative Science I

Traditional Path
MATH 2204 Intro to Multivariable Calc
STAT 3005 Stat Methods I

Junior
CMDA 2006 Integrated Quantitative Science II
MATH 2214 Intro to Linear Algebra
MATH 2114 Intro to Linear Algebra

CMDA 2005 Integrated Quantitative Science I

CMDA 2006 Integrated Quantitative Science II

CMDA 3605 Math Modeling I

CMDA 3606 Math Modeling II

CMDA 3605 Math Modeling I

CMDA 3654 Intro Data Analytics & Visualization

CMDA 3654 Intermediate Data Analytics & ML

CMDA 3606 Math Modeling II

CMDA 3654 Intro Data Analytics & Visualization

CMDA 4654 Intermediate Data Analytics & ML

CMDA 4864 CMDA Capstone Project

Students take either the Integrated Path or the Traditional Path

CMDA 3634 CS Foundations of CMDA

ECON 4424 Theory of Games & Econ Behavior

ECON 4304 Econometrics

+ 6 credits of electives (3 credits of ECON, 3 credits of ECON/CMDA)

Senior
CMDA 3634 (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.

ECON 2005 Principles of Economics

ECON 3104 Microeconomic Theory

ECON 3204 Macroeconomic Theory

ECON 2006 Principles of Economics

ECON 2005 Principles of Economics

ECON 2005 Principles of Economics

ECON 2005 Principles of Economics

ECON 2005 Principles of Economics

www.ais.science.vt.edu/programs/cmda.html