CMDA Major Requirements
Standard Option

Freshman
CS 1114 Intro to Software Design
weak prerequisite

Sophomore
CS 2114 Software Design & Data Structures

Junior
CMDA 3634 CS Foundations of CMDA
CMDA 4654 Intermediate Data Analytics & ML
CMDA 3606 Math Modeling II
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.

Senior
+ 12 credits of CMDA electives
Electives are drawn from CMDA, Computer Science, Mathematics, Statistics, and Physics courses at the junior and senior level. Students may also count 3 credits of Undergraduate Research or Field Study experiential learning.