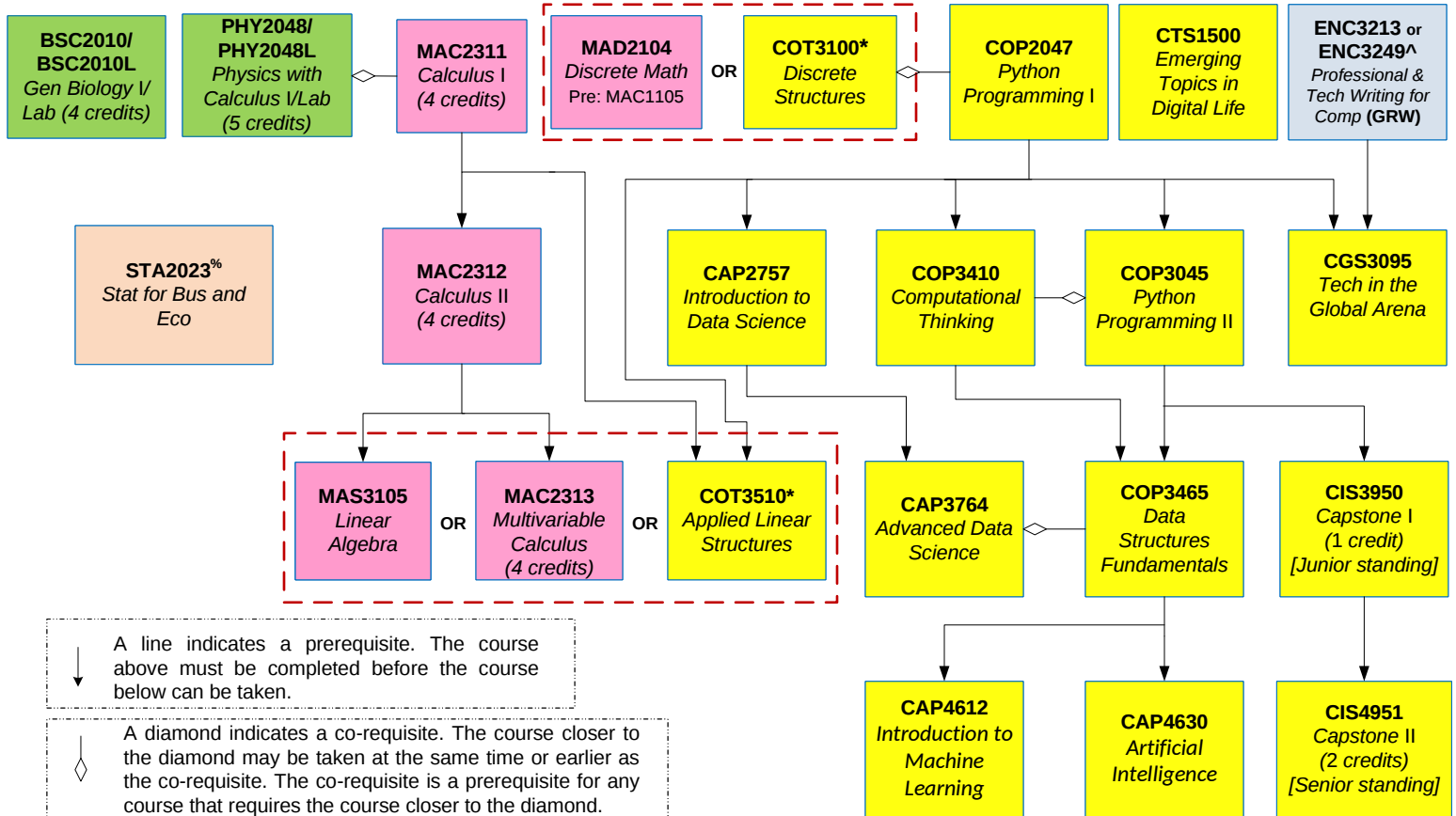




Concentration Electives:

Complete 12 credits either from one chosen concentration,
or complete 12 credits from any of the concentrations

Computational and Big Data Analytics

CAI 4203 Introduction to Deep Learning
 CAP 4770 Introduction to Data Mining
 CEN 4083 Introduction to Cloud Computing
 COP 4534 Algorithm Techniques
 COP 4703 Information Storage and Retrieval Concepts
 COT 4431 Applied Parallel Computing

Artificial Intelligence and Robotics

CAI 4203 Introduction to Deep Learning
 CAP 4453 Introduction to Robot Vision
 CAP 4506 Introduction to Game Theory
 CAP 4641 Natural Language Processing
 CAP 4770 Introduction to Data Mining
 CDA 4625 Introduction to Mobile Robotics

Statistical Modeling

CAP 4770 Introduction to Data Mining
 CAP 4830 Fundamentals of Modeling & Simulations
 MAD 3301 Graph Theory
 MAD 3401 Numerical Analysis
 STA 3164 Statistical Methods II (Prereq: STA 3163)
 STA 4234 Introduction to Regression Analysis

All courses are
3 credits except
as noted.

*** COT3100:**
 Prereq: MAC XXXX
 (any MAC course)
 Coreq: (COP2047 or
 COP2210 or COP2250
 or EEL2280)

**^ ENC3213/
 ENC3249**
prerequisite:
 complete the
 UCC English
 requirements

% STA2023
 Prerequisite
 is High school
 algebra.
 See Advisor for
 other equivalent
 statistics course.

Concentration Elective Courses

The list of electives
will be updated
with acceptable
elective courses
from computing,
math and stat
programs.