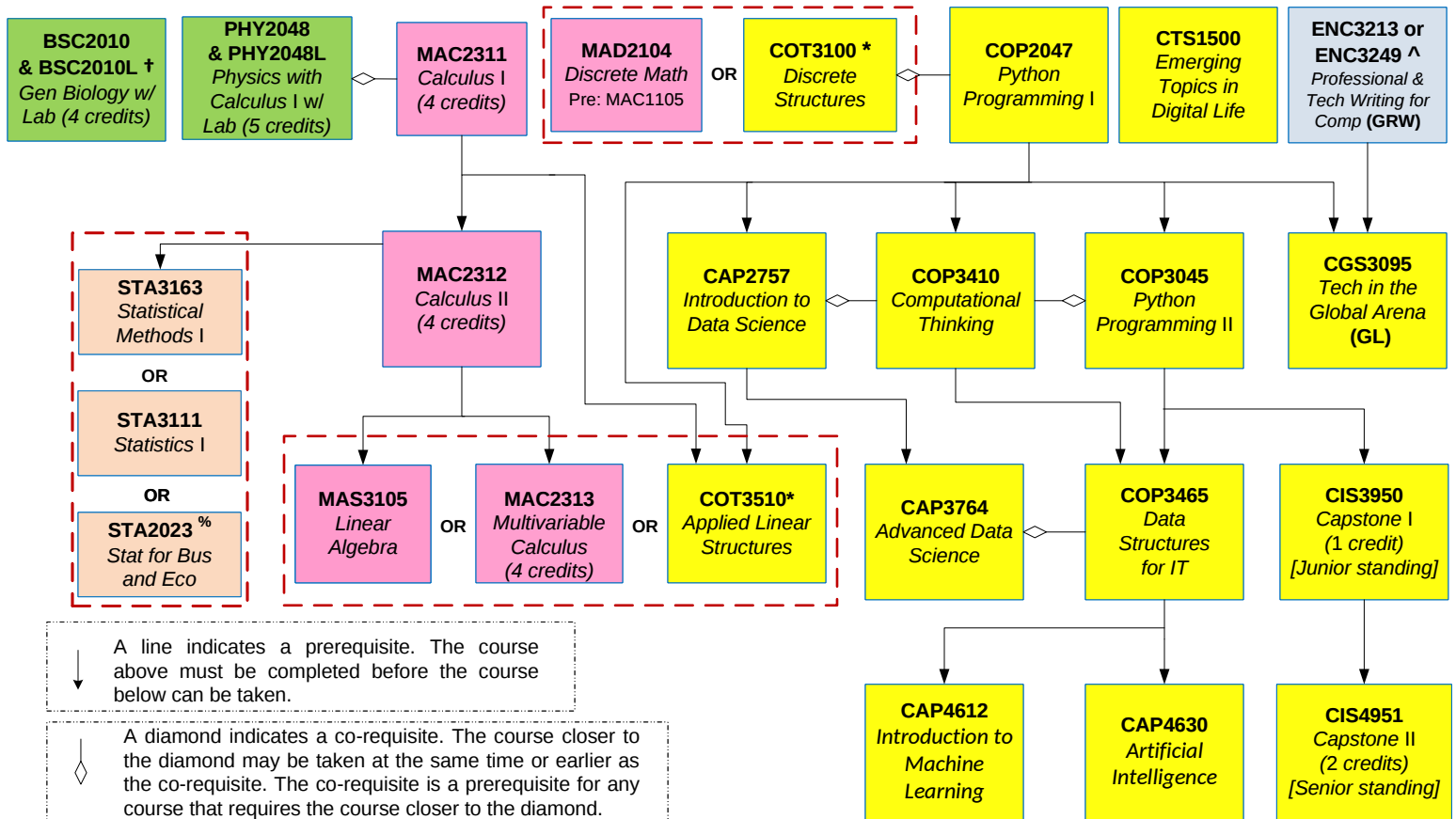




Concentration Electives:

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.

Concentration Elective Courses

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

**† BSC2010
& BSC2010L:**
OR any
Group 1 or Group 2
Natural Science
course with Lab.

% STA2023:
Prerequisite is
High school algebra.

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

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