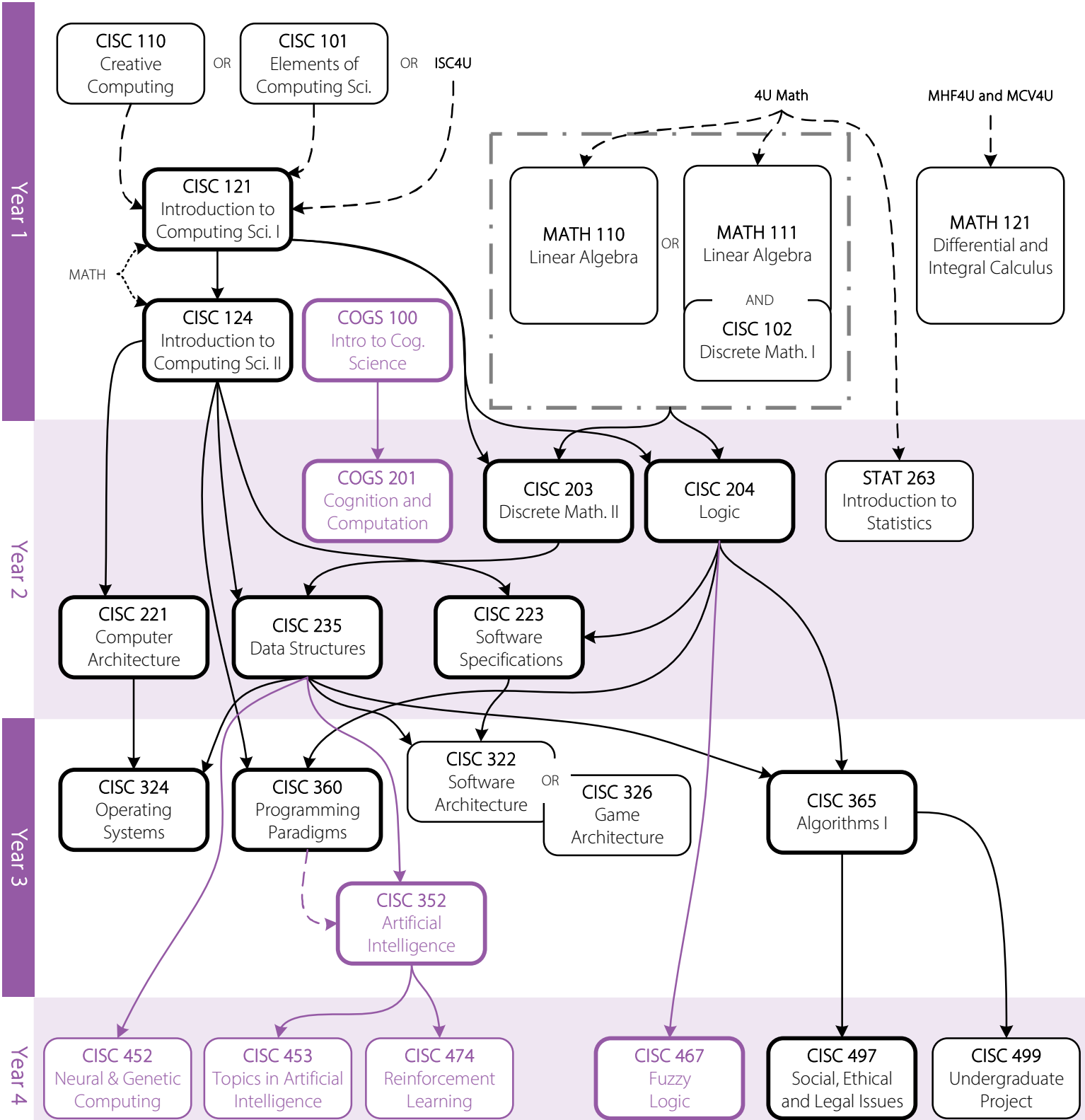# Queen's Computing
SCHOOL OF
Artificial Intelligence | Focus

BComp (Hons) *COMP-M-BCH*
42 core units
18 option units
12 supporting units
48 elective units*
———
120 units total

Year 1

CISC 110 Creative Computing

OR

CISC 101 Elements of Computing Sci.

OR ISC4U

4U Math

MHF4U and MCV4U

CISC 121 Introduction to Computing Sci. I

MATH

CISC 124 Introduction to Computing Sci. II

COGS 100 Intro to Cog. Science

MATH 110 Linear Algebra

OR

MATH 111 Linear Algebra

AND

CISC 102 Discrete Math. I

MATH 121 Differential and Integral Calculus

Year 2

COGS 201 Cognition and Computation

CISC 203 Discrete Math. II

CISC 204 Logic

STAT 263 Introduction to Statistics

CISC 221 Computer Architecture

CISC 235 Data Structures

CISC 223 Software Specifications

Year 3

CISC 324 Operating Systems

CISC 360 Programming Paradigms

CISC 322 Software Architecture

OR

CISC 326 Game Architecture

CISC 365 Algorithms I

CISC 352 Artificial Intelligence

Year 4

CISC 452 Neural & Genetic Computing

CISC 453 Topics in Artificial Intelligence

CISC 474 Reinforcement Learning

CISC 467 Fuzzy Logic

CISC 497 Social, Ethical and Legal Issues

CISC 499 Undergraduate Project

*Artificial Intelligence may also be taken as CIPS-accredited Computer Science Specialization (CSCI-P-BCH) with additional 30-unit breadth requirement with fewer electives and no Minor (see calendar for details).

REQUIRED ▭ CHOICE ▭
PREREQUISITE ⟶ COREQUISITE ┈┈▶ RECOMMENDED ⤍ ⤍ ▶