BComp (Hons)  COMP-NCH
42 core units
18 option units
12 supporting units
48 elective units
120 units total

CISC 110  Creative Computing
OR
CISC 101  Elements of Computing Sci.
OR
ISC4U

CISC 121  Introduction to Computing Sci. I

MATH 110  Linear Algebra
OR
MATH 111  Linear Algebra
AND
CISC 102  Discrete Math. I

CISC 124  Introduction to Computing Sci. II

CISC 02
Discrete Math. I
AND
OR
MATH 121  Differential and Integral Calculus
MHF4U and MCV4U

CISC 203  Discrete Math. II

CISC 204  Logic

STAT 263  Introduction to Statistics

CISC 221  Computer Architecture

CISC 223  Software Specifications

CISC 271  Linear Data Analytics

CISC 235  Data Structures

CISC 222  Software Architecture
OR
CISC 326  Game Architecture

CISC 240  Operating Systems

CISC 360  Programming Paradigms

CISC 365  Algorithms I

CISC 371  Nonlinear Optimization

CISC 372  Advanced Data Analytics

CISC 324  Operating Systems

CISC 326  Game Architecture

CISC 473  Deep Learning

CISC 367  Social, Ethical and Legal Issues

CISC 451  Topics in Data Analytics

CISC 452  Neural Nets & Generic Algthms

CISC 497  Undergraduate Project

Data Analytics may also be taken as CIPS-accredited Computer Science Specialization (SSP) with additional 30-unit breadth requirement with fewer electives and no Minor (see calendar for details).

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