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

**Focus**

**Year 1**
- CISC 110 Creative Computing
- OR
- ISC4U
- MATH 110 Linear Algebra
- OR
- MATH 111 Linear Algebra
- AND
- CISC 102 Discrete Math. I

**Year 2**
- CISC 121 Introduction to Computing Sci. I
- CISC 124 Introduction to Computing Sci. II
- CISC 203 Discrete Math. II
- CISC 204 Logic
- CISC 271 Linear Data Analysis
- STAT 263 Introduction to Statistics
- CISC 221 Computer Architecture
- CISC 223 Software Specifications
- CISC 222 Software Architecture
- OR
- CISC 235 Data Structures
- CISC 322 Game Architecture
- CISC 326 Algorithms I
- CISC 371 Nonlinear Data Analysis
- CISC 372 Advanced Data Analytics

**Year 3**
- CISC 360 Programming Paradigms
- CISC 365 Game Architecture
- CISC 451 Topics in Data Analytics
- CISC 473 Deep Learning
- CISC 452 Neural Nets & Generic Algorithms
- OR
- CISC 497 Social, Ethical and Legal Issues
- CISC 499 Undergraduate Project

**Year 4**
- CISC 421 Introduction to Computing Sci. II
- CISC 424 Linear Algebra
- CISC 4271 Linear Data Analysis
- CISC 4272 Advanced Data Analytics
- CISC 4273 Deep Learning
- CISC 4251 Topics in Data Analytics
- CISC 42452 Neural Nets & Generic Algorithms
- OR
- CISC 42473 Deep Learning
- CISC 4251 Social, Ethical and Legal Issues
- CISC 497 Undergraduate Project

*Data Analytics 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).