### BEng in Computer Science

#### Major Requirements

**Engineering Fundamental Courses**
- COMP 1021 (2011) Introduction to Computer Science
- COMP 1023 (2013) Introduction to Computer Science
- MATH 1020 (2011) Calculus IA
- MATH 2123 (2013) Calculus IB

**Major Required Courses and Electives**
- MGMT 3111 (2013) Management Information Systems
- MGMT 3113 (2013) Management Information Systems
- MGMT 4210 (2013) Strategic Management
- MGMT 4211 (2013) Strategic Management
- COMP 2011 (2011) Introduction to Programming with C++
- COMP 2012 (2011) Introduction to Programming with C++
- COMP 2012H (2011) Introduction to Programming with C++
- COMP 3111 (2013) Advanced Programming
- COMP 3111H (2013) Advanced Programming
- COMP 4471 (2013) Deep Learning Applications
- COMP 5223 (2013) Deep Learning Applications

**Required credits for Major Requirements Courses and Electives**
- 15

### BBA in Management

#### School Requirements

- MATH 1003 (2012) Accelerated Calculus
- MATH 1012 or MATH 1013 or MATH 1020 or MATH 1023 (2012) Calculus and Linear Algebra
- MATH 2111 OR MATH 2121 OR MATH 2131 (2012) Linear Algebra

**Major Required Courses and Electives**
- ACCT 2010 (2011) Principles of Accounting II
- ECON 2123 (2012) Microeconomics
- ECON 3123 (2013) Microeconomics
- ECON 2113 (2013) Macroeconomics
- LANG 2061 OR 2062 OR 3060 (2013) English course, in which they can choose from one of the three LANG courses

**Required credits for Major Requirements Courses and Electives**
- 15

**Additional Requirements**
- COMP 1029P (2012) Introduction to Computing with Java
- COMP 1029P (2012) Introduction to Computing with Java
- COMP 2011 (2011) Introduction to Programming with C++
- COMP 2012H (2011) Introduction to Programming with C++

**Required credits for Additional Requirements**
- 6

---

Notes:
- Students should take COMP 1021 and COMP 1023 for the BEng degree in Computer Science.
- MATH 1003 or MATH 1012 or MATH 1013 or MATH 1020 or MATH 1023 to satisfy the prerequisite for BBA degrees.
- Waived for DDP students if they have taken and passed COMP 1021.
- Students should take COMP 1029P if they have taken and passed COMP 1029P.
- Students should take COMP 1029P if they have taken and passed COMP 1029P.
- Students should take COMP 1029P if they have taken and passed COMP 1029P.