Curriculum for BA in Computing and Informatics

**Semester 1**
- **Computer Science and Programming**
  - Discrete Structures
  - Cryptography and Blockchain Essentials
  - Blockchain Programming
  - Blockchain Applications

**Semester 2**
- **Computer Science and Programming**
  - Discrete Structures
  - Cryptography and Blockchain Essentials
  - Blockchain Programming
  - Blockchain Applications

**Semester 3**
- **Computer Science and Programming**
  - Discrete Structures
  - Cryptography and Blockchain Essentials
  - Blockchain Programming
  - Blockchain Applications

**Semester 4**
- **Computer Science and Programming**
  - Discrete Structures
  - Cryptography and Blockchain Essentials
  - Blockchain Programming
  - Blockchain Applications

**Humanistic Literacy**
- Computers and Society
- Intro to Symbolic Logic
- Discrete Structures

**Quantitative Literacy**
- Statistics I
- Calculus

**Writing Intensive**
- Intro to Comp NW & Data Comm

**Prerequisites**
- Object Oriented Programming
- Data Communications and Networking

**Additional Courses**
- CS Learning Community ("LiBBy")
- Intro to Programming
- Creating Android Applications
- Advanced Programming Workshop
- Two workshops on different topics required

**Other Electives**
- Principles of Data Structures
- Applied Database Technologies

**Corresponding BS Equivalent**
- Mobile Programming
- Advanced Android Programming
- Advanced iOS Programming
- Topics Mobile Programming

**Other**
- BINF 07.250 - Introduction to Bioinformatics (3 s.h.)
- GEOG 16.160 - Intro to Mapping / Geographic Info Science (3 s.h.)
- GEOG 16.160 - Geographic Info Science I (3 s.h.)
- GEOG 16.261 - Cartography (3 s.h.)
- MIS 02.325 - Project Management (3 s.h.)
- Any Computer Science course at or above the 200 level not used to fulfill a different B.A. Computing and Informatics requirement and for which a student has completed all necessary pre-requisites (3 s.h.)
- Other courses at or above the 200 level by permission of faculty advisor

**Pre-requisites**
- Intro to Scientific Programming
- Object Oriented Programming
- Database Systems Theory and Programming
- Applied Database Technologies

**Development**
- Developed by: Department of Computer Science, 15-Jan-2020