Curriculum for B.A. Computing and Informatics Courses

Principles of Information Security
- Foundations of Cyber Security
- Fundamentals of NW Security
- Ethical Hacking Fundamentals
- Penetration Testing Fundamentals

Other Electives
- Systems Administration
- Concepts of Computing Technologies
- Web Server Platforms

Advanced Electives
- Intro to Object Oriented Programming
- Data Structures and Algorithms
- Principles of Data Structures
- Intro to Comp NW & Data Comm

Statistics I Calculus T&A Calculus I
- Gen Ed Math
- Discrete Structures

Mobile Programming
- Object Oriented Programming and Data Abstraction counts for 1 APW
- Advanced Programming Workshop
- Advanced Programming Languages counts for 1 APW

Computers and Society
- Computers and Society

Human Computer Interaction
- Human-Computer Interaction

Artistic Literacy
- Web Programming
- Public Speaking

Quantitative Literacy
- Data Communications and Networking

Humanistic Literacy
- Writing Intensive

Recommended sequence
- CS Learning Community ("LiBBy")

Pre-requisite
- Intro to Object Oriented Programming

Corresponding BS Equivalent
- BINF 07.250 - Introduction to Bioinformatics (3 s.h.)
- GEDG 16.160 - Intro to Mapping / Geographic Info Science (3 s.h.)
- GEDG 16.260 - Geographic Info Science I (3 s.h.)
- GEDG 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

Developed by:
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