

Howard Community College A.A. Information Technology, Programming Option > Excelsior College Bachelor of Science in Information Technology-Object Oriented Software Development

Course	Credit Hours	Excelsior College Requirement
ENGL 121: College Composition I	3.0	Written English Requirement
ENGL 122: College Composition II	3.0	Humanities Elective
Literature Core	3.0	Humanities Elective
Fine Arts Core	3.0	Humanities Elective
SPCH 105: Fundamentals of Public Speaking	3.0	Humanities Elective
History Core	3.0	Social Sciences/History Elective
Social/Behavioral Sciences Core	3.0	Socials Sciences/History Elective
Social/Behavioral Sciences Core	3.0	Socials Sciences/History Elective
Science Core	3.0	Natural Sciences/Math Elective
Science Core w/ Lab	4.0	Natural Scienes/Math Elective
MATH 131: College Algebra	3.0	Natural Sciences/Math Elective
CMSY 129: Principles of the Internet	3.0	IT Elective
CMSY 105: Personal Computer Systems Repair I	3.0	Applied Professional Elective
CMSY 121: Structured Logic & Program Design	3.0	IT Elective
CMSY 181: Programming C++	4.0	IT Elective
CMSY 190: Introduction to Visual Basic.NET	3.0	IT Elective
CMSY 199: Introduction to Java	3.0	IT Core – Object Oriented Programming
CMSY 250: Systems Analysis & Design	3.0	IT Concentration Core – Software Systems Analysis & Design
MATH 138: Statistics	4.0	Math Requirement
CMSY 217: Intermediate Java	3.0	IT Concentration Core – Advanced Object Oriented Programming I
Total Hours	63.0	

EVALUATION SUMMARY – BS INFORMATION TECHNOLOGY – GENERAL OPTION

This degree requires a minimum of 120 credits, which means you still need at least 57.00 credits. Of these you must fulfill the following requirements. Lower level credits may be completed with additional Howard CC coursework. Courses denoted in bold are those offered by Excelsior College. An X indicates an Excelsior College proficiency examination. **Please Note:** Depending on the requirements for this degree, you may end up exceeding 120 credits and any credits needed after completing the requirements listed below may be met with free electives.

GENERAL EDUCATION

You need 22.00 credits in the arts and sciences electives to include:

- Ethics
HCC PHIL 103: Ethics
- Discrete Mathematics
TECH 205: Discrete Structures

FREE ELECTIVE COMPONENT

You still need 12.00 credits to include:

- INL*102 Information Literacy**

TECHNOLOGY COMPONENT

You need 23.00 credits (15.00 credits must be upper level) to include the following core and concentration requirements:

- Computer Architecture
IT*320: Computer Architecture
- Data Communications
IT*350: Data Communications
- Database Concepts
IT*370: Database Management Systems
- Project Management
IT*390 Project Management
- Overview of Computer Security
IT*380 Overview of Computer Security
- Advanced Object Oriented Programming II
IT* 414: Advanced Object Oriented Programming II
- Data Structures
IT* 416: Data Structures

- Integrated Technology Assessment
IT*495 Integrated Technology Assessment

Catalog Year: 06-07