

BCCC

Baltimore City Community College



COMPUTER INFORMATION SYSTEMS, AAS

Associate of Applied Science

The Computer Information Systems program emphasizes business computer program design and development. Practical experience is gained in networking, databases, programming applications, and securing IT infrastructure. Students develop hands-on experience in:

- Application design & development as a computer programmer with knowledge of programming languages such as C, C++, Java, & Visual Basic.
- Systems analysis & design in the development of an entire system including enterprise resource planning (ERP) system.
- Database design & administration with the knowledge of database concepts in a multi-user platform & SQL programming.
- Networking & systems administration with the knowledge of computer communication protocols & day-to-day operations of computer networks.
- Information security analysis with the knowledge of planning & carrying out security measures to protect an organization's computer network & systems.
- Help desk/technical support including computer use & support, product evaluation strategies & standards, as well as installation of end-user computer systems.

Learn more at
bccc.edu/cis

COMPUTER INFORMATION SYSTEMS, AAS

60 credit hours



CAREER OPTIONS

- Computer Programmer/ Application Developer
- Database Administrator
- Data Security Support
- Help Desk/ Computer Support
- Network Analyst/ Systems Administrator
- Systems Analyst
- Systems Technician

BCCC'S ADVANTAGE

- Small class size
- Virtual & remote learning
- Majority of graduates transfer to a bachelor's degree program or find job placements

APPLY TODAY
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SUGGESTED SEQUENCE OF COURSES

Every degree-seeking student must complete the College's General Education Requirements in addition to the requirements of his/her academic program. Through the College's General Education Requirements, students acquire basic knowledge of the disciplines in the areas of arts and humanities, social and behavioral sciences, biological and physical sciences, mathematics, English composition, and computer literacy.

1ST SEMESTER	CREDITS	COURSE #
Preparation for Academic Achievement	1	PRE 100
Introduction to Operating Systems	3	BCA 104
Introduction to UNIX: The Operating Systems	3	CIS 105
Principles of Computer Information Systems	3	CIS 109
Structured Design	3	CIS 116
English Writing	3	ENG 101
	16 Credits	

2ND SEMESTER	CREDITS	COURSE #
Database Management Systems	3	BCA 136
JAVA Programming for Business Applications	3	CIS 231
Finite Mathematics	3	MAT 125
Fundamentals of Speech Communication	3	SPE 101
Health and Life Fitness	2	HLF ELEC
	14 Credits	

3RD SEMESTER	CREDITS	COURSE #
Systems Analysis and Design	3	CIS 201
Object-Oriented Programming for Business Application in C++	3	CIS 228
Comprehensive Spreadsheet	3	BCA 126
Modern Elementary Statistics	3	MAT 107
CIS Approved Elective	3	CIS ELEC
	15 Credits	

4TH SEMESTER	CREDITS	COURSE #
The American Economy I: Macroeconomic Theory	3	ECO 201
Principles of Financial Accounting	3	ACT 221
Biological & Physical Sciences	3	GEN ED REQ
CIS Approved Elective	3	CIS ELEC
Social & Behavioral Sciences	3	GEN ED REQ
	15 Credits	