Information Systems, AS

Contact: [Dr. Ken Wang](#)

The Information Systems major consists of a 60 credit curriculum leading to an Associate of Science degree. Information Systems majors gain hands-on experience as well as conceptual knowledge in a broad range of information technologies and systems. Foundation courses focus on specific technologies while upper level courses concentrate on application and integration of technologies in the business environment. This program prepares students for entry-level positions in the field of Information Systems. It also prepares students to continue on to complete the Bachelor of Science degree in the Computer Information Systems and Technology (CIS&T) major at the university of Pittsburgh at Bradford.

Course Requirements in the Major

Core Requirements in Information Technology

- CIST 0150 - FUNDAMENTALS OF PROGRAMMING
- CIST 0161 - THE TECHNOLOGY OF COMPUTING
- CIST 0163 - INTRODUCTION TO WEB PROGRAMMING
- CIST 0165 - NETWORKING 1
- CIST 0166 - NETWORKING 2
- CIST 0261 - COMPUTER SECURITY
- CIST 0262 - SYSTEMS ADMINISTRATION
- MIS 0103 - COMPUTER APPLICATIONS FOR MANAGEMENT
- MIS 0208 - BUSINESS INFORMATION SYSTEMS
- CIST 0265 - OBJECT ORIENTED PROGRAMMING

Credits: 30

Other required courses

- ENG 0101 - ENGLISH COMPOSITION 1

- ENG 0102 - ENGLISH COMPOSITION 2
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- MATH 0098 - COLLEGE ALGEBRA 2 or
- MATH 0110 - FUNDAMENTALS OF MATHEMATICS
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- Approved Elective - 3 Credits

Credits: 12

General Education Courses

Six courses (18-19 credits) over the four human experience areas with at least one course in each area, and at least one course must be a physical or life science with laboratory.

Total credits: 60-61

Please be advised

Please be advised that some programs or courses of study require that students complete rotations, fieldwork, internships/externships and/or teaching assignments at facilities external to the university, while other programs or courses of study may offer voluntary internships or externships at facilities external to the university. Depending on the program or course, such facilities will or may require a criminal background check, an act 33/34 clearance (if applicable), and perhaps a drug screen to determine participant qualification or eligibility. Additionally, in order to become licensed, many states will inquire as to whether the applicant has been convicted of a misdemeanor, a felony, or a felonious or illegal act associated with alcohol and/or substance abuse.

For those who intend to pursue the four year degree in Computer Information Systems and Technology

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For those who intend to pursue the four year degree in Computer Information Systems and Technology, we recommend that the student take the following:

- MATH 0098 - COLLEGE ALGEBRA 2

Suggested Course of Study

Semester 1

- CIST 0161 - THE TECHNOLOGY OF COMPUTING
- ENG 0101 - ENGLISH COMPOSITION 1
- CIST 0165 - NETWORKING 1
- CIST 0163 - INTRODUCTION TO WEB PROGRAMMING
- MIS 0103 - COMPUTER APPLICATIONS FOR MANAGEMENT

Credits: 15

Semester 2

- CIST 0166 - NETWORKING 2
- ENG 0102 - ENGLISH COMPOSITION 2
- GE elective - 3 Credits
- MATH 0110 - FUNDAMENTALS OF MATHEMATICS
- CIST 0150 - FUNDAMENTALS OF PROGRAMMING
- MIS 0208 - BUSINESS INFORMATION SYSTEMS

Credits: 15

Semester 3

- CIST 0265 - OBJECT ORIENTED PROGRAMMING

Credits: 15

Semester 4

- CIST 0261 - COMPUTER SECURITY
- CIST 0262 - SYSTEMS ADMINISTRATION
- GE elective - 3 Credits
- GE elective - 3 Credits
- GE elective - 3 Credits

Credits: 15