

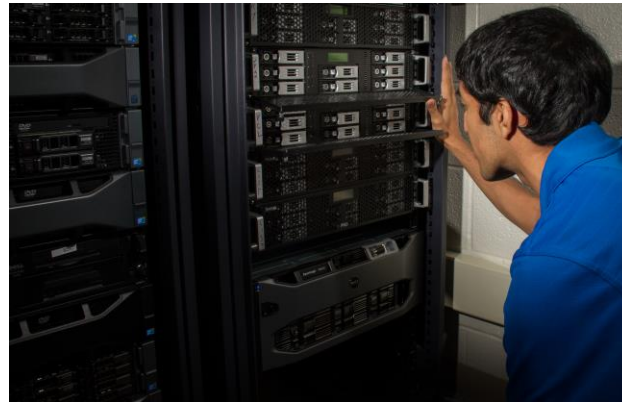
INFORMATION SYSTEMS (AS)

undergraduate program

Consistent with the overall mission of the University of Pittsburgh at Bradford, the Associate of Science degree in information systems includes a liberal arts core curriculum.

Employment Opportunities:

Information Systems Developer
 Network Administrator/Manager
 Analyst/Programmer
 Information Systems Manager
 On-Line Services Manager
 Applications Programmer I
 Operating Systems Programmer
 Auditor
 Internet Developer
 Operations Manager
 Communications Specialist
 Internet Marketing Analyst
 Operations Researcher
 Engineering Specialist
 Inventory Control Specialist
 Computer Security Analyst
 Inventory Manager
 Plant Manager
 Investment Analyst
 Product Development Manager
 Consultant
 Product Forecaster/Estimator
 CQI Production Manager
 Logistics Manager
 Production Line Manager
 Data Communications Analyst
 Management Analyst
 Production Scheduler/Planner
 Data Security Analyst
 Market Research Analyst
 Purchasing Agent/Manager
 Distribution Manager
 Quality Assurance Analyst
 Materials Manager
 Medical Systems Designer
 Records Management Analyst
 Relocation Analyst
 Mortgage Researcher
 Technical Sales Rep



Information systems is a combination of information technology, people's activities, and using that technology to support operations, management, and decision-making. In a broad sense Information systems refers not only to the information and

communication technology an organization uses but also to the way in which people interact with this technology in support of business processes

Information systems majors at Pitt-Bradford takes courses in Networking, Web Application, Web Databases, Programming and Systems Analysis to acquire the skills necessary so they can apply them to a business problem or situation. Students receive hands-on experiences by taking computers and servers apart and rebuilding them, learning all about networking on the CISCO equipment, constructing dynamic websites, and working with Microsoft's current product set, including SQL Server and Visual Studio.

Required Skills:

- Active Listening
- Math
- Critical Thinking
- Research & Reporting
- Communication (Written & Oral)
- Computer Knowledge
- Problem Solving

Possible Employers:

- Corporations
- Industries
- Consulting Firms
- School Systems
- Marketing Firms
- Banks
- Federal or State Government
- Media Production Company

PROFESSIONAL ORGANIZATIONS:

Association for Information Systems	www.aisnet.org
Association for Information Technology Professionals	www.aitp.org
The Data Management Association (DAMA)	www.dama.org
Information Systems Audit and Control Association	www.isaca.org
The Information Systems Security Association (ISSA) ®	www.issa.org

FIND OUT MORE ABOUT CAREERS IN INFORMATION SYSTEMS AT:

Computing Degrees and Careers	www.computingcareers.acm.org
Tech-Centric	www.tech-centric.net
Occupational Outlook	www.stats.bls.gov/oco/ocos042.htm
Career Services	www.upb.pitt.edu/career.aspx



Information Systems (AS) – Curriculum Guide

Student Name:

Advisor:

GENERAL EDUCATION REQUIREMENTS

COMPETENCIES

(Minimum grade of C- required in all competencies)

WRITING

ENG 0101 English Composition I

ENG 0102 English Composition II

MATHEMATICS

* MATH 0098 Algebra II or MATH 0110 Fundamentals of Mathematics

HUMAN EXPERIENCE 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

ARTS & LETTERS *(Choose ONE Literature, Creative, Fine or Performing Arts, or Language course)*

BEHAVIORAL, ECONOMIC, & POLITICAL SCIENCES

(Choose ONE Behavioral, Economic or Political Science course)

HISTORY, CULTURES, & PHILOSOPHICAL INQUIRY

(Choose ONE History, Cultures or Philosophical Inquiry course)

PHYSICAL OR LIFE SCIENCES *(Choose ONE Physical*

OR Life Science, must include a lab)

Lab

ADDITIONAL GE ELECTIVE

(Choose TWO General Education Course)

*MATH 0098 does not meet the mathematics competency at the Pittsburgh campus

MAJOR COURSE REQUIREMENTS

CIST 0150 Fundamentals of Programming

CIST 0161 Technology of Computing

CIST 0162 Survey of Information Technology

CIST 0163 Introduction to Web Programming

CIST 0165 Networking I

CIST 0166 Networking II

CIST 0205 Web Application Development

CIST 0209 Introduction to Web Databases

CIST 0261 Computer Security

CIST 0262 Systems Administration

Information Systems

Minimum of 60 credits required. Additional electives may be required.

According to your Degree Progress Report in MY.PITT.EDU upon successful completion of the current term:

You will have EARNED _____ credit hours

You NEED _____ for 60 credit hours required for graduation.

NOTE: This guide is unofficial. Completing the requirements on this sheet does NOT guarantee degree completion. Official degree completion information can be found in **MY.PITT.EDU**. Contact your Faculty Advisor and/or the Registrar's Office with questions or concerns.