Bachelor of Science in Information Technology

College of Arts and Sciences

The Information Technology (IT) degree from GSU takes you into the worlds of information security, digital forensics, virtualization, and cloud computing. You will not only learn how to use technology at GSU; you will learn how to create new uses for it.

FACT

Employment of computer systems analysts is expected to grow 22 percent from 2012 to 2022, faster than the average of all occupations. A greater reliance on computer systems in organizations through-out the economy will lead to an increased demand for this occupation. *Source: Bureau of Labor Statistics, Occupational Outlook Handbook, 2012 – 13 Edition*

Innovative Preparation

This IT program prepares you with cutting edge coursework and advanced real-world projects. The program collaborates closely with related programs in Computer Science, Criminal Justice, and Management Information Systems so you can tailor your degree to your career goals.

As an IT undergraduate, you receive a balance of theory and application as you learn to use a broad range of software and hardware to design and deploy various computer and network systems; and to work independently and collaboratively to solve problems.

Outstanding Prospects

You will be prepared for a career in business, industry, and government as a computer network administrator, computer system administrator, database administrator, computer systems analyst, computer support specialist, and information security specialist.

You will also be prepared for graduate work in information technology, computer science, and related fields.

Unlimited Opportunity

GSU offers a superior educational opportunity at an affordable tuition rate. GSU's outstanding faculty and quality programs prepare gradates to reach their goals and meet the demands of the future.

For More Information:

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2016 – 17 Catalog Year

Degree Requirements

Students must meet all university requirements for a bachelor's degree.

General Education Requirements (37-41 Hours)

See Bachelor's Degree Requirements for general education requirements.

Foundation Courses (3 Hours)

The following course must be taken at the lower-division level:

CPSC - 2005 Introduction to Computer Technology (3)

Program Core Courses (12 Hours)

The following courses must be taken at either the lower- or upper-division level:

IT - 3310 IT Project Management (3)
CPSC - 4342 Introduction to Computer Networks (3)

The following courses must be taken at upper-division level:

IT - 3099 Junior Seminar Information Technology (3)
IT - 4810 IT Senior Seminar/Project (3)

Program General Selective Courses (15 Hours)

The following courses must be taken at upper-division level.

Students must take 15 credit hours of general selective courses from the following:

CPSC - 4205 Computer Organization (3)
CPSC - 4335 Operating Systems (3)
CPSC - 4570 Windows Systems (3)
CPSC - 4580 Information Security (3)
IT - 3110 Fundamentals of Information Technology (3)
IT - 3210 Introduction to Scripting Languages (3)
IT - 3520 Cisco CCNA I (3)
IT - 3521 Cisco CCNA II (3)
IT - 4210 Wireless Networks and Security (3)

Program Concentration Selective Courses (27 Hours)

The following courses must be taken at upper-division level.

Students must take 27 credit hours of concentration selective courses from the following. Students may also take courses in different concentrations.

A. Operating Systems

CPSC - 4526 Intro to Microsoft SharePoint Server (3)
CPSC - 4535 Introduction to the UNIX System (3)
CPSC - 4572 Advanced Windows Administration (3)
IT - 4455 Securing Operating Systems (3)

B. Information Security

CPSC - 4581 Information Security Policy & Mgmt. (3)
CPSC - 4582 Cryptography and Network Security (3)
CPSC - 4583 Laboratory in Information Security (3)
CPSC - 4584 Spec. Topics in Information Security (3)

C. Network Infrastructure

IT - 4520 IP Routing (3)
IT - 4521 IP Switched Networks (3)
IT - 4522 Troubleshooting IP Networks (3)

D. Ethical Hacking

IT - 4540 Information Security and Assurance I (3)
IT - 4541 Information Security and Assurance II (3)

E. Digital Forensics

CPSC - 4540 Digital Forensics (3)
CPSC - 4542 Contemp. Issues-Digital Forensics (3)
CPSC - 4622 Special Topics in Digital Forensics (3)

F. Virtualization and Cloud Computing

IT - 4560 Introduction to Virtualization (3)
IT - 4561 Introduction to Cloud Computing (3)
IT - 4562 Spec. Topics in Virtual. & Cloud Comp. (3)

Electives (22-26 Hours)

Total - 120 Hours

2016 – 17 Catalog Year