

# Computer and Information Technology

## About the Major

The computer and information technology (CIT) program prepares students for existing and emerging jobs and careers in the application of information systems and technology. Students in this program will learn **the most current knowledge, concepts, and tools in a variety of information technology areas and develop an appreciation of the connection between real life and the digital world**. The core courses in the CIT major will ensure students have a solid foundation of information system, networking, database, biometrics and information security, software development, and web programming.

## Careers

- Computer system administration
- Database administration
- IT security personnel
- Web development, and more!

## Get Involved

The Institute of Electrical and Electronic Engineers (IEEE)  
The Institute of Electrical and Electronic Engineers is the largest professional association focused on technological innovation and how it can benefit humanity. The Shepherd University branch was started in 2013 and continues to help provide innovation to the campus.



## Robotics Club

Shepherd University's Robotics Club is an organization that focuses on the theory and process of creating robots, from the initial design process to the successful building of a functioning bot.



Annual ShepRobo Fest, hosted by Shepherd's Robotics Club.

## Security Intrusion and Detection Club

Also known as the "whitehat hacking club," the Security Intrusion and Detection Club was formed mid-2010 and its focus and goals are to learn about cyber security and exploitation as a way to improve club members' ability to make systems more secure.

## Points of Pride

- Our graduates from the computer and information technology degree program are currently **holding full-time positions** as system administrators, database administrators, security engineers, and web developers.
- Current students present their **undergraduate research projects in state, regional, and national conferences**.
- Some computer and information technology alumni have **earned master's degrees** in the area of IT project management and business administration.

## Contact

For more information about the program, contact:

**Professor Reza Mirdamadi**

Chair of the Department of Computer Science, Mathematics, and Engineering and Associate Professor of Engineering  
Snyder Hall 225  
304-876-5368  
rmirdama@shepherd.edu

Apply today:

**[www.shepherd.edu/admissions/apply-to-shepherd](http://www.shepherd.edu/admissions/apply-to-shepherd)**

For information about financial aid, visit:

**[www.shepherd.edu/financialaid](http://www.shepherd.edu/financialaid)**



### Office of Admissions

Ikenberry Hall 103  
Shepherd University  
P.O. Box 5000  
301 North King Street  
Shepherdstown, WV 25443-5000  
304-876-5212  
[www.shepherd.edu/admissions](http://www.shepherd.edu/admissions)

