The School of Computing and Informatics offers programs that focus on the skills and knowledge required for industries where jobs are in high demand.

Today, business is global. It’s 24/7. And it’s fast paced. You can be a part of it, with a degree from Ivy Tech Community College. To stay competitive and profitable, employers in fast-growing fields in the computing industry need qualified, skilled professionals.

Ivy Tech gives you the credentials to continue your education at a four-year institution or enter the job market and find a good-paying job right out of college. Change your life, and change your future, with a degree or certificate from Ivy Tech Community College.

School of Computing and Informatics programs include:

**NETWORK INFRASTRUCTURE**
The Network Infrastructure program is dedicated to enhancing the students’ knowledge and practical skills in relevant infrastructure design and implementation in all areas of digital communication and connectivity. The curriculum includes cabling, RF troubleshooting & behaviors, routing & switching, theoretical communications models, dedicated storage networks, voice over IP (VoIP), network security concepts/best-practices, and industry certification preparation.

Students earning this degree will have the technical knowledge and skills to work in most fields of network infrastructure and its administration. Preparation for nationally recognized network and Cisco certifications, as well as some other nationally recognized certifications, are included in the program curriculum.

Network Infrastructure offers Associate degree (2-year), Technical Certificate (1-year), and Certificate (15 credit hour) programs.

**SOFTWARE DEVELOPMENT**
The Software Development program prepares students to develop, test, implement, and maintain the software applications that people use every day with their computers, mobile devices, game consoles, and other technological devices.

Several career opportunities for graduates from this program include computer programmers, software developers, and web developers. Preparation for nationally recognized Java certifications, as well as some other nationally recognized certifications, are included in the program curriculum.

Software Development offers Associate degree (2-year), Technical Certificate (1-year), and Certificate (15–18 credit hour) programs.

**CYBER SECURITY/INFORMATION ASSURANCE**
The Cyber Security/Information Assurance program prepares students to work in areas related to information assurance, network, and computer security.

Careers in this field have grown significantly and include information security analysts, systems analysts, and network architects. Preparation for nationally recognized information/network security certifications is included in several of the courses in this program.

Cyber Security/Information Assurance offers Associate degree (2-year), Technical Certificate (1-year), and Certificate (22–25 credit hour) programs.

**SERVER ADMINISTRATION**
The Server Administration program is focused on relevant enterprise server operating systems configuration, management, and security.

There are several careers related to this program, including network support specialists and network administrators. Preparation for CompTIA’s Server+ and Network+, as well as some other nationally recognized certifications, are included in the program curriculum.

Server Administration offers Associate degree (2-year), Technical Certificate (1-year), and Certificate (22 credit hour) programs.
COMPUTER SCIENCE

Computer Science is an exciting field that explores the frontier of what computers can accomplish, and spans many disciplines and sectors of our economy, including science and research, industry, business, and military.

Among the many occupational fields, computer science is consistently ranked high in job satisfaction and wages over the last 20 years.

Graduates in the program may enter the workforce as a research scientist or computer engineer.

The Computer Science program offers an Associate of Science degree (2-year). In addition, Computer Science offers a Transfer Single Articulation Pathway to many universities.

DATABASE MANAGEMENT AND ADMINISTRATION

The Database Management and Administration program prepares students for jobs which require efficient and effective skills in organization, storage, integration, retrieval, and analysis of data.

Database Management and Administration graduates find employment as computer programmers/developers, or as database administrators. Preparation for nationally recognized Microsoft® and Oracle® certifications, as well as some other nationally recognized certifications, are included in the program curriculum.

The Database Management and Administration program offers Associate degree (2-year), Technical Certificate (1-year), and Certificate (19 credit hour) programs.

INFORMATICS

The field of Informatics dynamically infuses information science and technology into the lives of people. It involves studying how people interact with computers, data, and other technologies.

Job opportunities for graduates in this program include entry-level positions in computer technology support and information management in various industries.

Informatics offers Associate degree (2-year), Technical Certificate (1-year), and Certificate (19 credit hour) programs. In addition, Informatics offers a Transfer Single Articulation Pathway to many universities.

INFORMATION TECHNOLOGY SUPPORT

The Information Technology Support program provides students with knowledge and skills needed to deploy, troubleshoot, and support stand-alone and networked computing systems and technology.

User support specialist careers would be the most popular choice for graduates in this program. Preparation for CompTIA A+ Certification is also part of the curriculum in this program.

Information Technology Support offers Associate degree (2-year), Technical Certificate (1-year), and Certificate (19–22 credit hour) programs.

HOW TO APPLY

Visit IvyTech.edu/ApplyNow. To learn more, contact Danna Bishop, Department Chair, School of Computing and Informatics, dbishop@ivytech.edu, or 765-651-3100, ext. 3419.