

INFORMATION TECHNOLOGY

 Frederick Community College



Program Contact:

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Information Technology

Information technology degree and certificate programs offer innovative ways for students to prepare for employment in computer-related occupations.

Information Technology Specialist Area of Concentration within the A.A.S. in STEM Technology

The Information Technology Specialist Area of Concentration within the A.A.S. in STEM Technology is designed to prepare students for immediate entry into computer-related occupations and provide opportunities for individuals who are already in the industry to upgrade their skills.

The program consists of core requirements leading to an A.A.S. degree with intrinsic flexibility in a variety of topics.

At the completion of the program, students will be able to:

- Prepare a plan that addresses organizational needs.
- Identify problem requirements that demonstrate understanding of user and technical needs.
- Explain solutions that satisfy problem requirements.
- Analyze alternative solutions to determine the optimal result.
- Design problem solutions that solve the requirements.
- Produce documentation that describes solution implementation.
- Integrate hardware, software, and security models that facilitate project outcomes.

Computer Studies Certificate

The Computer Studies Certificate program is designed for students seeking to build skills in the field of computer studies. The program gives students the opportunity to utilize the latest computer hardware and software with curriculum that emphasizes problem solving, teamwork, and creativity. Students develop the skills necessary for employment in the computer industry as they learn to define and analyze problems and develop, test, and maintain programs.

At the completion of the program, students will be able to:

- Prepare a plan that addresses organizational needs.
- Identify problem requirements that demonstrate understanding of user and technical needs.
- Design problem solutions that solve the requirements.
- Integrate hardware, software, and security models that facilitate project outcomes.



Computer Support Specialist Certificate

The Computer Support Specialist Certificate program teaches students the skills to provide technical assistance and support to computer users by learning to troubleshoot software and hardware problems. The program includes instruction in computer concepts, information systems, networking, operating systems, computer hardware, the Internet, software applications, problem solving, and principles of customer service. This program covers the objectives required by CompTIA A+.

At the completion of the program, students will be able to:

- Identify problem requirements that demonstrate understanding of user and technical needs.
- Analyze alternative solutions.
- Design problem solutions that solve the requirements.
- Integrate hardware, software, and communications models.

Healthcare Information Technology Certificate

The Healthcare Information Technology Certificate program prepares students to work as healthcare information technology technicians in a healthcare setting and to perform tasks such as maintaining the system that supports electronic health records (EHR), improving EHR software usability, and designing/implementing policies to protect healthcare data.

The program provides students with specialized knowledge and skills on healthcare-relevant software and computer proficiency and includes information technology, healthcare systems, and medical business operations. This program covers the objectives required by CompTIA A+ and CompTIA Healthcare IT Technician.

At the completion of the program, students will be able to:

- Design and develop information systems and processes that improve quality, effectiveness, and efficiency of healthcare operations.
- Provide data management and analysis in order to ensure healthcare specific data security.
- Evaluate the impact of information technology on the clinical process, clinical outcome, organizations, and resources.
- Implement policies and procedures in order to protect the privacy and security of patient health information.
- Explain healthcare-related requirements and prepare/conduct auditing to ensure compliance.

Growth Potential

The median annual wage for computer and information technology occupations was \$86,320 in 2018. Employment of computer and information technology occupations is projected to grow 12 percent from 2018 to 2028.

(Source: Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook)

Financial Assistance

Frederick Community College (FCC) provides a tuition payment plan for students who wish to spread payment over several months. Scholarship and loan assistance is available for eligible students. For complete scholarship information, contact Financial Aid at 301.846.2620.

Internship Program

Internships help students integrate what is taught in school with what is required in the workplace. Students take internships to develop knowledge and skills valued by employers. Students in certain programs are eligible to receive credit for internships.

Transfer Note

Students can transfer the equivalent of 60 credits to any four-year institution in Maryland. To find more information about how credits will transfer from FCC to a state four-year institution visit artsys.usmd.edu or contact Counseling & Advising at 301.846.2471. Students who plan to transfer should speak with an advisor or program manager from their chosen transfer institution before selecting elective courses.

View required course listings: frederick.edu/it

For more information:

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