

Information Security and Assurance

A.A.S Degree Career Programs

Option 1: Information Technology Specialist

Option 2: Network Engineer

Certificates

Information Security and Assurance

Software Specialist

Personal Computer Support Specialist

Computer Studies

Computer Science Studies

A.S. Transfer Programs

Computer Science A.S.

Information Systems Management A.S.

Letters of Recognition

Database Administration

The College prohibits discrimination against any person on the basis of race, religion, gender, color, national origin, ancestry, age, sexual orientation, marital status, physical or mental disability of otherwise qualified individuals and any other category protected by federal, State or local law. Frederick Community College subscribes to full access to all college facilities as outlined in the Americans with Disabilities Act of 1990 and as amended. The designated coordinator for the college's compliance with Section 504 of the Rehabilitation Act of 1973 and for the Americans with Disabilities Act is Kate Kramer-Jefferson, 301.846.2409.

Frederick Community College makes every effort to accommodate individuals with disabilities. If you have accommodation needs, please call 301.846.2408. To request a sign language interpreter, please call 301.846.2476 (Voice) or 240.575.2366/866.616.7243 (Videophone). Requests for any accommodation should be made at least five working days prior to attending a scheduled event.

Gainful employment • For more information about our graduation rates, the median debt of students who completed the program, and other important information, please visit our website at www.frederick.edu/gainfulemployment.



Frederick Community College

Information Technology



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Information Technology



Careers in Information Technology involve the design, development, support, and management of hardware, software, multimedia, and systems integration services. In addition to careers in the IT industry, opportunities for employment can be found in every sector of the business world from financial services to engineering and environmental services. No matter the size of the business, individuals with computer skills will always be needed. Anyone entering the IT field is making a lifelong commitment to learning and working with exciting new technologies that transform our world daily!

Frederick Community College's IT program offers innovative ways to prepare for employment in the computer field from short certificates in specialized skill areas to industry certification to an A.A.S. degree in programming, network support, or applications.

The Program

- **Certificates:** The certificate options in the program are designed to meet immediate employment needs, increase earning potential, and provide instruction in the basics of specific IT areas. All courses completed in any of the certificate options apply directly to the two-year degree in Information Technology.
- **Degree Programs:** The program offers three areas of specialization and is designed to provide flexibility when making a career choice. The knowledge and skills gained in the two-year program form a strong foundation for success in the IT field.
- **Certifications:** These programs are designed for current employees who need to upgrade their skills or for career changers with limited time and busy schedules.
- **Courses of Interest:** Courses, both full-semester and short term, are offered throughout the year for individuals who want or need only basic instructions in some phase of information technology.

On the Job

Typical responsibilities include diagnosing, troubleshooting, resolving, and documenting hardware and software problems; installing software and hardware; configuring and upgrading systems; and, monitoring and maintaining system performance.

Skills for Success

Successful IT professionals exhibit:

- excellent oral and written communication skills
- outstanding analytical and problem solving skills
- good customer/client relations skills

Growth Potential & Estimated Salaries

Employment prospects for IT professionals are good to excellent. Graduates who are cross trained with skills in several areas are most attractive to potential employers. Opportunities are becoming increasingly available in the Frederick area; however, top salaries will still be found in the major metropolitan areas of Washington and Northern Virginia.

Faculty

All courses are taught by fully qualified professionals who have worked in the IT field.

Related noncredit classes

- A+ Certification
- Cisco Certified Network Associate
- CompTIA Network +
- CompTIA Security +
- Digital Photography
- MS Office Workshops
- Small Business Series
- SQL
- Multimedia
- Web Development

Noncredit classes subject to change.