



PROGRAMS OF study



INFORMATION TECHNOLOGY

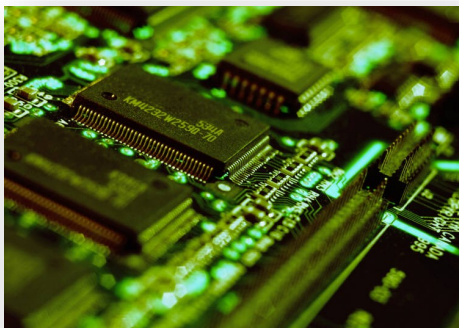
ASSOCIATE IN APPLIED SCIENCE

Program Description

The Information Technology program provides students with an extensive background in the application of computers to the ever-widening needs of business and industry. The program gives students hands-on experience in troubleshooting, system administration, computer networks, web systems, computer programming, and cybersecurity. The curriculum is designed to develop critical thinking skills and enable a student to be ready for today's jobs with the ability to thrive in the ever-changing IT landscape.

Program Learning Outcomes Upon successful completion of the Information Technology Associates in Applied Science degree graduates will be able to:

- Solve software and hardware problems using logical reasoning.
- Analyze and communicate essential industry concepts in both technical and non-technical terms.
- Create technical reports and documentation through researching and interpreting a variety of industry sources.
- Operate both independently and as a team member on information technology projects.
- Describe and explain ethical issues in technology and the applicable industry standards and codes of conduct.
- Recognize the value of diversity in opinions, values, abilities and cultures of colleagues and customers in a professional environment.
- Research and explain how culture, economics, history and politics affect technology trends.
- Report security implications related to computational paradigms.
- Apply problem-solving concepts and quantitative analysis to the study of a wide variety of technology problems.



Career Opportunities

Students completing this program will be prepared for entry-level positions in computer support, network management, systems management, and cybersecurity, as well as sales and technical information positions. Graduates may also choose to continue their education at a four-year institution in Information Technology or a related field.

INFORMATION TECHNOLOGY, A.A.S. ASSOCIATE IN APPLIED SCIENCE

Information Technology Program Sequencing - The sequencing of courses in this program begins in the fall semester. Students entering in the spring or summer will likely take longer than two years to complete the program.

Curriculum Requirements: 60 credits	Credits	Grade	Semester taken/anticipated
First Year, Fall Semester (15 credits)			
CIS 133 Introduction to Programming	3		
ENG 101 College Composition	3		
MAT 118 Quantitative Reasoning	3		
NET 110 Networking Fundamentals	3		
WEB 131 Web Development I	3		
First Year, Spring Semester (15 credits)			
CIS 118 Information Technology Fundamentals	3		
MAT 124 Statistics	3		
PHI 102 Ethics and Contemporary Society	3		
WEB 133 Web Development II	3		
WEB 215 Web Systems and Programming	3		
Second Year, Fall Semester (15 credits)			
CIS 152 Computer Hardware	3		
CIS 178 Introduction to Cybersecurity	3		
CIS 220 Information Security	3		
SOC 101 Introduction to Sociology	3		
SPE 101 Oral Communications	3		
Second Year, Spring Semester (15 credits)			
CIS 226 Ethical Hacking	3		
CIS 235 Open Source Server Administration	3		
CIS 254 Computer Organization	3		
NET 221 Network Security	3		
SCI 101 Introduction to Environmental Science	3		

*Articulation agreements exist between York County Community College and various colleges and universities..
Please, contact Career and Transfer Services for information regarding these agreements.*

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