



# PROGRAMS OF **study**

## **INFORMATION TECHNOLOGY**

### **ASSOCIATE IN APPLIED SCIENCE**



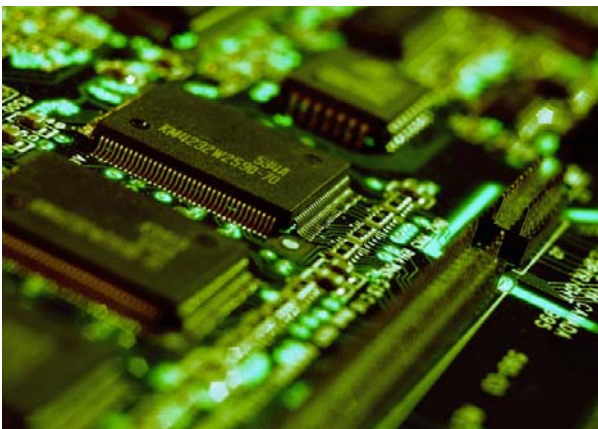
#### **Program Description**

The Information Technology program provides students with a broad 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 databases. Students also have the opportunity to gain work experience through an internship. The curriculum is designed to develop critical thinking skills and enable a student to be ready for today's jobs and the ability to thrive in the ever-changing IT landscape.

#### **Program Learning Outcomes**

Students who successfully complete the Associate in Applied Science degree in Computer Technology will be able to:

- Describe and apply trouble-shooting techniques and strategies to solve a wide range of computer hardware, software and networking problems.
- 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.
- Identify and analyze system, network and security requirements for various organizations.
- 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, 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

*The sequencing of courses in this program begins in the fall semester.*

Curriculum Requirements: 60 credits	Credits	Grade	Semester
<b>First Year, Fall Semester (15 credits)</b>			
CIS 118 Information Technology Fundamentals	3		
CIS 133 Introduction to Programming	3		
NET 110 Networking Fundamentals	3		
ENG 101 College Composition	3		
MAT 127 College Algebra or MAT 122 Finite Math	3		
<b>First Year, Spring Semester (15 credits)</b>			
CIS 230 Desktop and Server Administration I or CIS 235 Open Source Server Administration	3		
WEB 215 Web Systems and Programming	3		
CIS, NET, or WEB Elective	3		
PHI 102 Ethics and Contemporary Society	3		
MAT 210 Statistics	3		
<b>Second Year, Fall Semester (15 credits)</b>			
CIS 217 Database Management	3		
CIS, NET or WEB Elective	3		
General Education Core III	3		
ENG 211 Technical Writing or ENG 212 Business Communications	3		
SPE 101 Oral Communications	3		
<b>Second Year, Spring Semester (15 credits)</b>			
CIS 220 Information Security	3		
CIS, NET or WEB 200 Level Elective	3		
<i>Choose one of the following:</i> BUS 110 Introduction to Business or BUS 115 Management I or BUS 116 Management II	3		
General Education Core IV	3		
Open Elective	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.*

### DISCLAIMER

*While every effort has been made to ensure accuracy, the college reserves the right to make edits due to errors or omissions or changes at any time with respect to course offerings, degree and program requirements addressed in this publication. The information provided is solely for the convenience of the reader, and the college disclaims any liability, which may otherwise be incurred.*