



Information Technology

Associate in Applied Science

Curriculum Requirements: 60 Credits
START HERE

1

SEMESTER 1 - FALL	Credits	Milestone	Completed
ENG 101 College Composition	3	★	<input type="checkbox"/>
CIS 178 Fundamentals of Cyber Security	3	★	<input type="checkbox"/>
MAT 127 College Algebra	3	★	<input type="checkbox"/>
NET 110 NETWORKING I	3		<input type="checkbox"/>
CIS 118 Information Technology Fundamentals	3		<input type="checkbox"/>
			<input type="checkbox"/>
Total Credits	15		

2

SEMESTER 2 - SPRING	Credits	Milestone	Completed
SPE 101 Oral Communications	3	★	<input type="checkbox"/>
CIS 133 Introduction to Programming	3	★	<input type="checkbox"/>
NET 120 Networking II	3	★	<input type="checkbox"/>
ENG 211 Technical Writing	3		<input type="checkbox"/>
NET 221 Network Defense	3		<input type="checkbox"/>
Total Credits	15		

3

SEMESTER 3 - FALL	Credits	Milestone	Completed
CIS 152 Computer Hardware	3	★	<input type="checkbox"/>
CIS 217 Database Management	3	★	<input type="checkbox"/>
WEB 131 Web Development	3	★	<input type="checkbox"/>
General Education Core III (ECO 110 or ECO 120 recommended)	3		<input type="checkbox"/>
General Education IV Lab Science	4		<input type="checkbox"/>
Total Credits	15		

4

SEMESTER 4 - SPRING	Credits	Milestone	Completed
CIS 226 Ethical Hacking	3	★	<input type="checkbox"/>
CIS 235 Open Source Server Administration	3	★	<input type="checkbox"/>
CIS 254 Computer Organization	3	★	<input type="checkbox"/>
WEB 133 Web Development II	3	★	<input type="checkbox"/>
General Education Core II (HIS 110 Recommended)	3		<input type="checkbox"/>
Total Credits	15		

YOU'VE FINISHED!



Program Milestones

Program milestone courses should be taken in the term and order noted.

General Advising Notes

- CIS 118 is a pre-requisite for CIS125, CIS217, CIS220, CIS 230 WEB 131 is a pre-requisite for WEB 133, WEB215 CIS 152 is a pre-requisite for CIS 254 NET 110 is a pre-requisite for CIS 235, CIS 226, NET 221
- English and Math courses should be taken in your first term, if possible, or first year.
- Core IV courses have the following prefixes: BIO, CHM, MAT, PHY, SCI

If you plan to continue your education:
Work closely with your faculty advisor and transfer counselor to make sure your courses transfer smoothly.

- ❖ *A certificate in Networked Systems Technology is embedded in this degree program. This credential will be awarded upon successful completion of the certificate's required coursework.*

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

Students who successfully complete the Associates in Applied Science degree in Information Technology will be able to:

- 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.
- Apply problem-solving concepts and quantitative analysis to the study of a wide variety of technology problems.

Career Opportunities

Graduates from the program will be prepared 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.

*Articulation agreements exist between York County Community College and various colleges and universities.
Please work with your advisor for information regarding these agreements.*

DISCLAIMER

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