



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"/>
General Education Core II (HIS 110 Recommended)	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"/>
Total Credits	15		


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

2

SEMESTER 2 - SPRING	Credits	Milestone	Completed
SPE 101 Oral Communications	3	★	<input type="checkbox"/>
MAT 222 Discrete Math	3	★	<input type="checkbox"/>
NET 120 Networking II	3	★	<input type="checkbox"/>
ENG 211 Technical Writing	3		<input type="checkbox"/>
CIS 217 Database Management	3		<input type="checkbox"/>
Total Credits	15		

3

SEMESTER 3 - FALL	Credits	Milestone	Completed
CIS 152 Computer Hardware	3	★	<input type="checkbox"/>
CIS 178 Fundamentals of Cybersecurity	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	3		<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"/>
NET 221 Networking Defense	3	★	<input type="checkbox"/>
WEB 133 Web Development II	3		<input type="checkbox"/>
Total Credits	15		

YOU'VE FINISHED!

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

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.



Updated 04/12/2024