



**AS 1030 Computer Information Security**  
**Effective Fall 2018**

**65 Credits**

*This is an overview of the program. Any suggested course sequencing is meant to serve as a guideline for your semester planning. Students are expected to see their assigned advisor to develop and review their individual educational plans. The scheduling of courses, program sequencing, and curriculum are subject to change.*

**Developmental Courses (as determined through College Placement Testing)\* and Prerequisites:**  
*\* Zero level courses must be completed with a C grade or higher.*

<input type="checkbox"/>	ESL classes	<input type="checkbox"/>	ENGL 050	<input type="checkbox"/>	MATH 006	<input type="checkbox"/>	MATH 033	
<input type="checkbox"/>	ENGL 002	<input type="checkbox"/>	ENGL 051	<input type="checkbox"/>	MATH 090	<input type="checkbox"/>	MATH 044	
<input type="checkbox"/>	ENGL 003	<input type="checkbox"/>	ENGL 057	<input type="checkbox"/>	MATH 008	<input type="checkbox"/>	MATH 045	
<input type="checkbox"/>	ENGL 007			<input type="checkbox"/>	MATH 022	<input type="checkbox"/>	MATH 055	

\*See counselor/advisor to discuss this course or options to self-remediate and successfully place into higher- or college-level course.

General Education Courses		
<b>ENGL 101</b>	3cr	Prerequisite: Completion of ENGL 007, 051 or 057 with a grade of C or higher; Pre or Co-requisite: ENGL 003
<b>ENGL 102 or ENGL 104</b>	3cr	Prerequisite: ENGL 101 with a grade of C or higher and completion of ENGL 003, 007, or 057 with a grade of C or higher, or its equivalent. Prerequisite: Completion of ENGL 101, and 003, 007, or 057 with a grade of C or higher
<b>COMM 101</b>	3cr	Prerequisite: Eligibility for enrollment into ENGL 101 and completion of any reading courses
<b>Humanities &amp; Arts</b>	3cr	Select from ART 181, 182; ENGL 206; HUM 115, 201; MUS 104; PHIL 200; THTR 101, or any foreign language course.)
<b>Social &amp; Behavioral Sciences</b>	3cr	Core B Elective
<b>Science with Lab</b>	3cr	Core C Science with lab
<b>Wellness</b>	1Cr	See College Catalog for a list of approved courses
<b>First Year Seminar</b>	1cr	One credit hour in FYS coursework unless exempted by examination. See HACC Catalog for a list of approved FYS courses.

Required Program Courses			
<b>CIS 105</b>	3cr	Introduction to Software for Business	Prerequisites: ENGL 057 or a combination of ENGL 003, or 007 and 051 with grades of C or higher or their equivalents
<b>CIS 140</b>	3cr	Intermediate Database Management	Prerequisites: CIS 105 or WEB 143 with a grade of C or higher; or permission of the Instructor
<b>CIS 222</b>	3cr	Introduction to Windows Servers	Prerequisites: CNT 120 with a grade of C or higher
<b>CIS 224</b>	4cr	Introduction to System Analysis & Design	Prerequisites: CNT 120 with a grade of C or higher; and one of the following with a grade of C or higher: CIS 238, 245; CPS 115, 121, 135, 230; WEB 140, 143, 144, 220, 240, 242, 244, 246
<b>CIS 241</b>	3cr	Database Administration I	Prerequisites: CIS 140 or WEB 143 with a grade of C or higher; or permission of the Instructor
<b>CIS 264</b>	3cr	Fundamentals of Linux Administration	Prerequisites: CNT 120 with a grade of C or higher; or permission of the Instructor
<b>CISE 200</b>	3cr	Information Security Fundamentals	Prerequisites: ENGL 101, CNT 120, and CIS 222, 264, or 249 with grades of C or higher; or permission of the Instructor

<b>CNT 120</b>	3cr	Network Communication Technology I	Prerequisites: Eligibility for enrollment into ENGL 101 and MATH 055 (or MATH 051) or MATH 045; or permission of the Instructor
<b>CNT 125</b>	4cr	Network Communication Technology II	Prerequisites: CNT 120 with a grade of C or higher
<b>CPS 121</b>	3cr	Java Programming	Prerequisites: MATH 103 with a grade of C or higher
<b>MATH 103</b> or <b>MATH 119</b> or <b>MATH 121</b>	3cr or (4cr) or (4cr)	College Algebra or Pre-Calculus or Calculus I	Prerequisites: completion of MATH 033, 044, & 055 (or MATH 051) or MATH 045 with grade of C or higher Prerequisites: MATH 103 and MATH 104 with grades of C or higher, or equivalent Prerequisites: MATH 119 or equivalent with a grade of C or higher
<b>MATH 202</b>	4cr	Introduction to Statistics	Prerequisites: completion of MATH 033, 044, & 055 (or MATH 051) or 045, and ENGL 057 or a combination of ENGL 003, or 007 and 051 with grades of C or higher
<b>Program Electives**</b>	6cr	Select TWO courses from the following: CIS 145, 243, 245, 247, 270; CISE 210; CNT 220, 230, 240, 250, 260, 291; CPS 161, 162, 230; ELEC 125, 126; MATH 104, 119, 121, 125, 203; WEB 143.	Prerequisites will vary based on course selection

### Advising Notes

\*\*Choose Program Electives appropriate for transfer school. Not all institutions will accept all options.

### Recommended Sequence For Full-Time Students

Part-time students can complete this program by taking one or more courses each semester.

Fall Semester I		Spring Semester I		Fall Semester II		Spring Semester II	
Arts/Humanities Elective	3	CIS 140	3	CIS 222	3	CIS 224	4
CIS 105	3	CNT 125	4	CIS 241	3	CIS 264	3
CNT 120	3	CPS 121	3	COMM 101	3	CISE 200	3
ENGL 101	3	ENGL 102 or 104	3	Program Elective	3	Program Elective	3
FYS Elective	1	MATH 202 (Core C)	4	Science (Lab)	3	Social/Behavioral Science Elective	3
MATH 103 or 119 or 121 (Core C)	3 or 4			Wellness	1		

### Counselor/Advisor Contact Information by Campus:

<u>Gettysburg</u>	<u>Harrisburg</u>	<u>Lancaster</u>	<u>Lebanon</u>	<u>York</u>
Student Services	Counseling and Advising	Counseling and Advising	Receptionist Desk	Counseling and Advising
Lobby	Cooper 219	221 Main	Lobby	Leader Suite 104
717-337-3855	717-780-2498	717-358-2988	717-270-4222	717-801-3213