



Computer Information Security (CISE)

AAS #1030 (65 credits)

Effective Fall 2020

*Students should see your assigned advisor to develop your individual educational plan. The course schedule, program sequencing and curriculum are subject to change.

Developmental Courses (as determined through College Placement Testing) * and Prerequisites:			
<i>* Zero level courses must be completed with a C grade or higher.</i>			
<input type="checkbox"/> ESL classes	<input type="checkbox"/> ENGL 050	<input type="checkbox"/> MATH 006	<input type="checkbox"/> MATH 090 – Fundamentals of Algebra I
<input type="checkbox"/> ENGL 002	<input type="checkbox"/> ENGL 051	<input type="checkbox"/> MATH 070 – Fundamentals of Quantitative Lit	<input type="checkbox"/> MATH 091 – Fundamentals of Algebra II
<input type="checkbox"/> ENGL 003	<input type="checkbox"/> ENGL 057	<input type="checkbox"/> MATH 080 – Fundamentals of Statistics	
General Education Courses			
ENGL 101	3	Pre: ENGL 051 with C or higher & Co: ENGL 003	
ENGL 102 or ENGL 104	3	Pre: ENGL 101 with C or higher Pre: ENGL 101 with C or higher	
Comm 101	3	Pre: Eligibility for ENGL 101 and completion of any reading course	
Core A	3	Humanities and Arts Elective: Select ONE from list: ARTS 181 or 182; ENGL 206; HUM 101, 115, or 201; MUS 104; PHIL 200; THTR 101; or a foreign language	
Core B	3	Social and Behavioral Sciences Elective	
Core C – Science w/lab	3	Science (must have a lab component)	
PE/Wellness	1	See HACC catalog for a list of Wellness courses	
FYS Seminar	1	Unless exempted by examination. See HACC catalog for a list of approved courses.	

Required Program Courses			
		Course Title	Pre/Co-Req/Notes
CIS 105	3	Intro to Software for Business	Pre: ENGL 003 and ENGL 051
CIS 140	3	Intermediate Database Management	Pre: CIS 105 or WEB 143
CIS 222	3	Introduction to Windows Servers	Pre: CNT 120
CIS 224	4	Introduction to Systems Analysis & Design	Pre: 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.
CIS 241	3	Database Administration I	Pre: CIS 140 or WEB 143
CIS 264	3	Fundamentals of Linux Administration I	Pre: CNT 120
CNT 120	3	Network Communication Technology I	Pre: MATH 070 (advisor approval) & ENGL 101
CNT 125	4	Network Communication Technology II	Pre: CNT 120
CISE 200	3	Information Security Fundamentals	Pre: ENGL 101, CNT 120, & CIS 222, CIS 249 or CIS 264
CPS 121	3	Computer Science I - Introduction to Computer Programming JAVA	Pre: MATH 103
MATH 103 or MATH 119 or MATH 121	3 (4) (4)	College Algebra Or Pre-Calculus or Calculus I	MATH 033, 044, and 055 (or MATH 051) or MATH 045 or MATH 091 with a C or higher Pre: MATH 103 & MATH 104 Pre: MATH 119
MATH 202	4	Introduction to Statistics	Pre: See Math Advising Guide

Program Electives**	6	Choose 2 from the following: CIS 145, 243, 245, 247, 270; CISE 210, 211; CNT 220, 230, 240, 250, 260, 291; CPS 161, 162, 230; ELEC 125, 126; MATH 104, 119, 121, 125, 203; WEB 143.	
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Advising Notes

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

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 your assigned advisor to develop and review their individual educational plans. Program specific questions can be directed to the faculty contacts. The scheduling of courses, program sequencing and curriculum are subject to change.

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

Certifications and Certificates for Credit Computer Department ~ ~ April 2017

Certifications must be current at the time of presentation for this credit.

*** Computer industry certifications and transfer of college computer related credits **over 7 years of age will not be accepted for students in the following majors: AOM, CIS, CISE, CNT, Computer Repair or WEB.** ***

Software, AOS and Database:

1. **CAP/CPS** = AOS 101, 110, 203, 225, & 226. (15 credits)
2. **MOS in PowerPoint** = CIS 108
3. **MOS in Word, Access and Excel** = CIS 105
4. **MOS Expert** = no credit
5. **MOS Master**- student must take Word, Access and excel options of the exam to earn credit for CIS 105
6. **MOS Master**- if student takes PowerPoint exam as part of the series, they also would earn CIS 108
7. **Non-credit** certificate in computer proficiency = CIS 105
8. **PHEAA training academy** certificate in PowerPoint = CIS 108
9. **PHEAA training academy** certificate in word, excel and access = CIS 105
10. **MCDBA -Microsoft Certified Database Administrator (MCDBA) credential**, you must pass four exams: equivalent to CIS140 (Access), CIS241 (DBAI), and DB Elective (9 - credits).
11. **Microsoft Solutions Expert in Business Intelligence** certificate = CIS 257

Hardware & Networking:

1. **A+**= CIS 127, ELEC 125 and ELEC 126= 10 credits
2. **BICSI (Installer 1, Installer 2, Technician)** = credit for CNT 140 can be given (Contact Rich Elwell for ok)
3. **Cisco CCNA** = CNT 240
4. **Cisco CCNA specialty certification - CCNA Wireless** = CNT 260

5. **CCNA specialty cert - CCNA Voice** = CNT 230 (previously a 282 course)
6. **Cisco CCNA specialty cert - CCNA Security** = nothing at this time. See Professor Rich Elwell for any updates.
7. **MCSA** = CIS 127 and 1 computer elective=6 credits
8. **MCSE** = CIS 127, CIS 110 and 2 computer electives=12 credits
9. **MCSE and A+** = CIS 127, CIS 110, ELEC 125, ELEC 126 and 1 computer elective= 16 credits
10. **MCDST** = CIS 127
11. **Network+** = CNT 120
12. **Network+ cert & proof of "On the Job"** experience with networking - credit for CNT 120 & CNT 125 may be given. Student should contact Professor Doug Brown or Professor Rich Elwell for approval
13. **SECURITY+** = CNT Technical Elective
14. **CCNA Security Exam 210-260** (may not be more than 3 years old) = CISE 200

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	Welcome Center
Lobby	Cooper	221 Main	Lobby	Leader 102
717-337-3855	717-780-2498	(717) 358-2988	717-270-4222	717-801-3213, ext. 3513