



Certificate 4230 Computer Networking Technology
Effective Fall 2018

34 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"/>			
<input type="checkbox"/>	Engl 007			<input type="checkbox"/>	Math 022	<input type="checkbox"/>			

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

Required Program Courses

CNT 120	3cr	Network Communications Technology I	Prerequisites: Eligibility for enrollment into ENGL 101 and MATH 055 (or MATH 051) or MATH 045
CNT 125	4cr	Network Communications Technology II	Prerequisites: CNT 120 with C or higher
CNT 140	3cr	The Physical Network	Prerequisites: CNT 120 with C or higher
CNT 220	5cr	Internetworking	Prerequisites: CNT 125 with C or higher
CIS 222	3cr	Introduction to Windows Servers	Prerequisites: CNT 120 with C or higher
CIS 227	3cr	Technical Support	Prerequisites: CNT 120, and CIS 222 or 249 or 264 or 265 with grades of C or higher
CIS 264	3cr	Fundamental of Linux Administration	Prerequisites: CNT 120 with C or higher
ELEC 125	3cr	Introduction to PC Technology	Prerequisites: Familiarity with word processing and MS Windows Operating Systems
ELEC 126	4cr	Installing and Troubleshooting PC's	Prerequisites: ELEC 125; or CIS 127 and 210 with grades of C or higher
CISE 200	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

Advising Notes

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

Recommended Sequence For Full-Time Students

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

Summer		Fall 1		Spring 1	
CNT 120	3	CNT 125	4	CNT 220	5
ELEC 125	3	CNT 140	3	CIS 222	3
		ELEC 126	4	CIS 227	3
		CIS 264	3	CISE 200	3

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