

## Information Technology Departmental Electives

This page lists some of the courses that can be used to meet the Departmental IT Approved Electives requirements for the Information Technology program. This page is current for the 2019/2020 catalog – older catalogs may have different course numbers, different options, and/or different requirements. Check with the Department Undergraduate Advisor concerning possible courses not listed. This list is provided as a guide; the Undergraduate Catalog remains as the definitive source of requirements. *Note that not all of the courses listed below will be offered in any given academic year.*

### Notes:

- 1) These courses are **not** open to Computer Science or Computer Engineering students.
- 2) COP 4931 is the designation for special topic courses. Unless otherwise stated, the pre-requisite for COP 4931 is COP 4538 Data Structures and Algorithms for IT. The term “Department Elective” refers to any special topics course that is not already listed.
- 3) CIS 4200 Penetration Testing was previously CIS 4204 Ethical Hacking. Penetration Testing has also been offered as special topics (COP 4931). A student may not take both CIS 4200 and CIS 4204 for credit towards the degree.
- 4) Students may earn up to 9 credit hours of COP 4900 and/or CIS 4947 credit, no more than 3 credit hours in any one given company for CIS 4947 credit.

<b>Set #1 - Electives with COP 2512 as the pre-req</b>	
COP 3353	User-Level Introduction to Linux for IT
<b>Set #2 - Electives with COP 3515 as the pre-req</b>	
CIS 4200	Penetration Testing
CIS 4361	Information Assurance and Security Management for IT
COP 4931	Secure Internet of Things for IT
COP 4931	Capture the Flag
<b>Set #3 - Electives with CNT 4104/4104L as the pre-req</b>	
COP 4931	Network Programming
CNT 4403	Network Security and Firewalls
<b>Set #4 - Electives with COP 4538 as the pre-req</b>	
COP 4883	Java Programming for IT
COP 4931	Data and Information Security
COP 4931	Human Security
COP 4931	Malware Analysis
COP 4931	Mobile and Wireless Security
COP 4931	Python for IT
<b>Set #5 – Senior standing and permission of instructor as the pre-req</b>	
CIS 4947	Industry Internship for IT
COP 4900	Independent Study for IT

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