Information Security (InfoSec) Major

CyberCorps scholars are required to take the InfoSec major. A student in the Infosec major is required to take the following courses, some of which (*) also satisfy the area requirements:

- **CNT 5412** Network Security, Active and Passive Defenses (3)
- **CIS 5370** Computer Security (3)
- **CNT 5505** Data and Computer Communications* (3)
- **CIS 5371** Cryptography (3)
- **CNT 5415** Applied Computer and Network Security (3)

The following course can currently be counted in place of CNT 5415 Applied Computer and Network Security:

- **CNT 5605** Computer and Network Administration (3)
  plus one of the following courses:
  - **CDA 5140** Fault Tolerance and Reliability (3)
  - **COP 5570** Concurrent, Parallel, and Distributed Programming* (3)
  - **COP 5611** Operating Systems* (3)
  - **COT 5310** Theory of Automata and Formal Languages* (3)
  - **COT 5405** Advanced Algorithms* (3)
  - **COT 5410** Complexity of Algorithms* (3)

This major also includes the award of the National Training Standard for Information Systems Security (INFOSEC) Professionals Certificate (link to http://www.cnss.gov/full-index.html), NSTISSI-4011 (link to document J).

Students are not required to apply to the general CS MS degree beforehand, and are allowed to directly apply into the Information Security MS program.

Mike Burmester, October 2010