Interdisciplinary Masters’ Program in Information Security
School of Technology Requirements

Area A. Core Courses
--- CS 52600  Information Security  or  C&IT 55500 Advanced Network Security
--- CS 55500  Cryptography  or  ECE 62700 Intro to Cryptography & Secure Communication
--- PHIL 52400  or  PHIL 58000N†  or  TECH 62100
Contemporary Ethical Theory  Proseminar in Philosophy  Information Assurance Ethics
--- POL 62100  Proseminar in Science, Technology, and Politics
--- SOC 51900—or equivalents; e.g. TECH 62100 Technology and Policy
--- TECH 69800 (for the thesis option only; e.g. C&IT 69800 or IT 69800)

Area B. In-Depth Courses
One of the following courses:
STAT 50200  Experimental Statistics II
51200  Applied Regression Analysis
51300  Statistical Quality Control

Any two of the following courses:
AGEC 59600F  Forensic Economics I
60800  Benefit-Cost Analysis
68500  Advanced Quantitative Methods For Decision Making Under Uncertainty
--- 69100K†  Research in Agricultural Economics
--- 59100A  Foundations in Homeland Security (C&IT 58100)
--- 59100B  Managing Resources and Applications for Homeland Security (C&IT 58100)
59100S  Agro-Security Issues
AT 57300  Foundations in Homeland Security
58100B  Transportation Security Operations
COM 55900  Current Trends in Mass Communication Research
--- 59000R†  Directed Study Of Special Problems
--- 42100  Small Scale Digital Device Forensics
45500  Network Security
45600  Wireless Network Security & Management
49900C  Cyberforensics: Advanced Technical Issues
--- 52800  Information Security Risk Assessment
55600  Basic Computer Forensics
55700  Advanced Cyberforensics
55800  Bioinformatics Computing And Systems Integration
58100AIS  Applied Intelligent Systems
58100C  Applied Cryptography
58100HLS  Foundations in Homeland Security (ASM 59000)
58100  Managing Resources and Applications for Homeland Security (ASM 59000)
58100 ASI  Applied Intelligent Systems
58100S  Information Security Management
58100V  Current Topics in Cyber Forensics
58100Z  Programming for the Internet
62300R  Risk and Technology
CS 50300  Operating Systems
--- 53600§  Data Communication and Computer Networks
56500  Programming Languages
58000  Algorithm Design, Analysis, and Implementation
--- 59000W†  Topics In Computer Sciences
62600  Advanced Information Assurance
63600  Internetworking
65500  Advanced Cryptology

Color Key
If Course Title Relevant

Last Revised 5/4/12
Area C. Breadth Courses
(It is preferable to take these before the 4th semester and your thesis work):
IT 50700 Measurement and Evaluation in Industry and Technology
TECH 64600 Analysis Of Research In Industry And Technology

Courses from at least three different graduate programs should be taken between Areas B and C. Other courses, often under variable numbers and offered on a one-time or occasional basis, may be of interest. Students are encouraged to bring those courses to the attention of their advisors, who may recommend these to other students and approve the substitution of these courses for some courses listed above.

Under the thesis option, the master’s thesis must be completed and defended in an oral examination administered by the Advisory Committee. Under the examination option, a 3-hour written examination is administered by the student’s Advisory Committee. This option is rarely employed and only in unusual circumstances.

§ Note: May take one or the other of the following but not both:

CS 53600 or ECE 56000 or MGMT 54700
PSY 57700 or IE 57700
PSY 55500 or IE 55900

* unless taken under Area A
† When content is appropriate
€ not offered in recent years due to staff shortages.