Computer Information Systems M.S.
2016-2017

Core Requirements (15 hours)
The following courses, or approved substitutions are required for both the thesis option and extended course work options:
- CINF 5231 Strategic Information Systems
- CINF 5234 Advanced Systems Analysis and Design
- CSCI 5132 Internet Protocols
- CSCI 5333 Database Management Systems
- CSCI 6530 Research Methods in Computer Science

Computer Information Systems Thesis Option (18 hours)
3 hours of CENG/CINF/CSCI/SWEN or other approved related courses
6 hours of CINF/CSCI 4000-6000 levels
3 hours of CINF/CSCI 5100-6000
CINF 6939 Master's Thesis Research

CINF/CSCI courses, 5100-6000 level: Students interested in pursuing the thesis option are encouraged to take CINF 5939 (Independent Study in CIS) during their first year, in order to write up their thesis proposals (with the sponsoring of a faculty adviser).

Computer Information Systems Extended Course Work Option (21 hours)
Students desiring to follow the extended course work option must successfully complete the capstone project course (CINF 6838).
3 hours of CENG/CINF/CSCI/SWEN or other approved related courses
6 hours of CINF/CSCI 4000-6000 levels
9 hours of CINF/CSCI 5100-6000
CINF 6838 Research Project and Seminar

Note: CINF 6838 must be taken after completion of the required core and during last 12 hours.

All electives must be approved before enrolling.

Computer Information Systems Specializations

Specialization in Database Systems
Students interested in developing a specialization in Database Systems may take the following electives:
- CSCI 5433 Object-Oriented Database Systems
- CSCI 5533 Distributed Information Systems
- CSCI 5633 Web Database Development
Specialization in Networking and Security

Students interested in developing a specialization in Networking and Security may take the following electives:

- **CENG 5333** Network Performance Analysis
- **CSCI 5233** Computer Security & Integrity
- **CSCI 5234** Web Security
- **CSCI 5235** Network Security
- **CSCI 5431** Client-Server Based Network Programming
- **CSCI 5531** Advanced Operating Systems