

Master of IT Security – Applications of AI in Security (MITS-AIS) Program Course List

The MITS –AIS program includes eight courses, a seminar and a capstone project or internship as following:

Mandatory courses (24 credits):

- MITS 5100G - Law & Ethics of IT Security
- MITS 5400G - Secure Software Systems
- MITS 5500G - Cryptography and Secure Communications
- MITS 5600G - Security Policies and Risk Management
- MITS 6700G – Network Data Analysis
- MITS 6800G – Machine Learning
- MITS 5900G – MITS Seminar
- Two Elective Courses *

Note*:

Students in the MITS-AIS program must choose at least one elective course from the following:

- MITS 6900G – Block Chain Foundation and Technologies
- MITS 5640G – Special Topics in AI and Security

They can take any other MITS course (excluding the mandatory courses, Capstone I and II, and Internship) as the other elective course, subject to prerequisites (if applicable).

6 credits from the following list**:

- MITS 6300G/MITS 6600G – MITS Capstone Research Project I and II
- MITS 7000G – MITS Internship (6 Credits)

Note**:

The students can take the two capstone project courses (MITS 6300G/6600G) or the MITS internship course (MITS 7000G). The MITS internship work must be at least 12 weeks full time or 420 hours in length, and replaces MITS 6300G/MITS6600G, subject to internship position availability. Internships are arranged through FBIT Internship and Capstone coordinator and must be approved by the Graduate Program Director.