Master of IT Security Program Course List

The following courses are mandatory for students in the MITS program (Excluding the MITS-AIS field):

24 Mandatory credits:
- MITS 5100G - Law & Ethics of IT Security
- MITS 5400G - Secure Software Systems
- MITS 5500G - Cryptography and Secure Communications
- MITS 6400G - Biometrics/Access Control and Smart Card Technology
- MITS 5200G - Advanced Communication Networks
- MITS 5300G - Operating Systems Security
- MITS 5600G - Security Policies and Risk Management
- MITS 6100G - Attack and Defence
- MITS 5900G – MITS Seminar (0 credit)

6 credits from the following list*:
- MITS 6300G/MITS 6600G – MITS Capstone Research Project I and II
- MITS 7000G – MITS Internship (6 Credits)**
- Two Elective Courses in IT Security or relevant topics

Note*:
Students have the following options:
- Take both Capstone Research Project I and II courses, or
- Take two elective courses, or
- Take MITS Internship

Students cannot take one capstone course and one elective course. Students can take any other MITS course (excluding the mandatory courses, capstone I and II and internship) as elective, subject to prerequisites (if applicable).
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** The MITS internship course (MITS 7000G) 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.