MSIT-IS Restricted Electives

This list provides courses that have been approved by the department for MSIT-IS students. **The INI cannot guarantee that courses will be offered each semester or in a specific semester as advertised below. Likewise, the location listed is not guaranteed as campus course offerings constantly change.** Students must refer to the 'Schedule of Classes' to determine course availability. In addition, the INI cannot guarantee that a student will be offered a seat in a specific course. These apply to courses at the INI as well as other departments at Carnegie Mellon. Students should always register under the INI course number (14-XXX) if a course is cross-listed with other departments. The numbers for cross-listed courses are provided to the right of the course titles below. ***Please note: Course numbers and titles may change. If you notice such a change, please email*** ini-academic@andrew.cmu.edu ***prior to enrolling in a course.***

05-836 Usable Security and Privacy (PIT, 12 units) (cross-listed 17-734)
14-684: Cyber Law and Ethics (PIT & Broadcast to SV, 6 units)
14-735 Secure Coding (PIT & Broadcast to SV, 12 units)
14-742 Security in Networked Systems (SV & Broadcast to PIT, 12 units)
14-757: Introduction to Adversarial Machine Learning (SV & Broadcast to PIT, 12 units)
14-761 Applied Information Assurance (PIT, 12 units)
14-782 Information Security Risk Management I (PIT, 6 units)
14-788 Information Security Policy and Management (PIT, 6 units)
14-795: AI Applications in Information Security (PIT & Broadcast to SV, 12 units)
14-817 Cyber Risk Modeling (SV & Broadcast to PIT, 12 units)
14-819 Introduction to Software Reverse Engineering (PIT & Broadcast to SV, 12 units)
14-822 Host-Based Forensics (PIT & Broadcast to SV, 12 units)
14-823 Network Forensics (PIT & Broadcast to SV, 12 units)
14-828 Browser Security (PIT & Broadcast to SV, 12 units)
14-829 Mobile and IoT Security (SV & Broadcast to PIT, 12 units)
15-793 Secure Computer Systems (PIT, 12 units
15-856 Introduction to Cryptography (PIT, 12 units)
17-731 Foundations of Privacy (PIT & Broadcast to SV, 12 units) (cross-listed 18-734)
17-735 Engineering Privacy in Software (PIT, 12 units) (cross-listed 19-605, 95-878)
18-632 Introduction to Hardware Security (PIT & Broadcast to SV, 12 units)
18-731 Network Security (PIT & Broadcast to SV, 12 units)
18-732 Secure Software Systems (PIT & Broadcast to SV, 12 units)
18-733 Applied Cryptography (PIT & Broadcast to SV, 12 units)
19-608 Privacy, Policy, Law, and Technology (PIT, 12 units) (cross-listed 17-733 & 95-818)
19-733 Cryptocurrencies, Blockchains and Applications (PIT, 12 units) (cross-listed 17-703)
94-806 Privacy in the Digital Age (PIT, 6 units)
95-746: Cloud Security (PIT, 6 units)
95-883 Ethical Penetration Testing (PIT, 6 units)

Last Updated: 5-31-25

PIT: CMU Campus in Pittsburgh, PA
SV: CMU Campus in Silicon Valley, CA

VERSION TABLE

VERSION/ Date posted	ADDED/ REMOVED	COURSE NUMBER
1-22-15	ADDED	05-836
4-28-15	ADDED	14-809
9-14-16	ADDED	14-850
	REMOVED	19-635
1-25-17	ADDED	14-828
8-7-17	ADDED	15-811,18-632
	REMOVED	14-817, 14-846, 14-847
8-23-18	ADDED	95-883
5-6-19	ADDED	18-737 (Fall 19 only), 19-733
8-17-20	ADDED	15-856
5-3-21	ADDED	14-817
7-1-21	ADDED	14-642
7-1-22	ADDED	14-742, 17-735
	REMOVED	14-809, 14-814, 18-737, 14-642, 15-811
5-22-23	ADDED	14-757, 14-789, 14-684, 95-746 , 14-795

	REMOVED	14-784
5-31-25	ADDED	15-793