

Last Updated: 5-22-23

MSIT-IS Degree Specific Course List (MS34)/MSIT-IS Restricted Electives (MS35)

This list provides courses that have been approved by the department for MSIT-Information Security 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)
14-850 INSuRE Cybersecurity Research (SV & Broadcast to PIT, 12 units)
15-856 Introduction to Cryptography (PIT, 12 units)
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)
18-734 Foundations of Privacy (PIT & Broadcast to SV, 12 units) (cross-listed 17-731)
19-608 Privacy, Policy, Law, and Technology (PIT, 12 units) (cross-listed 17-733 & 95-818)

Last Updated: 5-22-23

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)

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

When enrolled in courses that are broadcasted students at both locations attend the classes synchronously.

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

Last Updated: 5-22-23

	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