

MSMITE Degree-Specific Core Courses

This list provides MSMITE degree specific core courses that have been approved by the department. **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 let the INI AAO know prior to enrolling in a course.

05-670: Digital Service Innovation (PIT, 12 units)
05-833: Gadgets, Sensors & Activity Recognition in HCI (PIT, 12 units)
05-872: Rapid Prototyping of Computer Systems (PIT, 12 units, cross-listed 05-540, 18-745, 18-540, 39-648)
14-642: Fundamentals of Embedded Systems (PIT, 12 units)
14-736: Distributed Systems: Techniques, Infrastructure and Services (PIT & Broadcast to SV, 12 units)
14-760: Advanced Real-World Data Networks (PIT & Broadcast to SV, 12 units)
14-841: Mobile & Pervasive Computing (SV, 12 units) (cross-listed 18-843)
17-781: Mobile and IoT Computing Services (PIT, 12 units)
18-651: Networked Cyber-Physical Systems (PIT, 12 units)
18-748: Wireless Sensor Networks (PIT, 12 units)
18-759: Wireless Networks (PIT, 12 units)
49-788: Mobile Apps for the Internet of Things (SV, 12 units)
08-736: Pervasive and Ubiquitous Computing (PIT, 12 units)
14-829: Mobile and IoT Security (SV & Broadcast to PIT, 12 units) (cross-listed 18-638)
15-624: Logical Foundations of Cyber-Physical Systems (PIT, 12 units)
16-722: Sensing and Sensors (PIT, 12 units)
17-722: Building User-focused Sensing Systems (PIT, 12 units)
17-728: Machine Learning and Sensing (PIT, 12 units)
15-821: Mobile and Pervasive Computing (PIT, 12 units) (cross-listed 18-843)
14-744: Mobile and Embedded Software Design (SV & Broadcast to PIT, 12 units)
14-848: Cloud Infrastructure: Design, Analysis and Implementation (PIT & Broadcast to SV, 12 units)

Updated November 16, 2021

VERSION TABLE

VERSION Date posted	ADDED/ REMOVED	COURSES
8-17-20	Removed	08-723
7-1-21	Added	14-744, 15-821, 14-848
7-1-21	Removed	18-747, 14-840, 18-744, 14-841
11-16-21	Removed	08-735
11-16-21	Added	17-722