MSIN Degree Specific Core Course List

Note: 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. These courses are 12 units unless otherwise noted.

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.

10-601  Introduction to Machine Learning
10-701  Introduction to Machine Learning (PhD)
11-663  Applied Machine Learning
14-741  Introduction to Information Security (cross-listed 18-631)
14-760  Advanced Real-World Data Networks
14-814  Wireless Network Security (cross-listed 18-637)
14-819  Introduction to Software Reverse-Engineering
14-829  Mobile & IoT Security (cross-listed 18-638)
14-840  Mobile Hardware for Software Engineers (cross-listed 18-644)
14-841  Mobile and Pervasive Computing (cross-listed 15-821, 18-843)
14-848  Cloud Computing Infrastructure and Applications
15-605  Operating System Design and Implementation
15-611  Compiler Design
15-612  Operating System Practicum
15-615  Database Applications
15-618  Parallel Computer Architecture and Programming
15-619  Cloud Computing
15-641  Computer Networks
15-645  Database Systems
15-712  Advanced Operating Systems and Distributed Systems
15-719  Advanced Cloud Computing
15-740  Computer Architecture (cross-listed 18-640)
15-744  Computer Networks
15-745  Optimizing Compilers for Modern Architectures
15-839  Mobile and Wireless Communications (not offered every year)
18-645  How to Write Fast Code
18-648  Real-Time Embedded Systems
18-649  Distributed Embedded Systems
18-651  Networked Cyber-Physical Systems
18-730  Introduction to Computer Security
18-731  Network Security
18-732  Secure Software Systems
18-740  Computer Architecture (cross-listed 18-640)
18-746  Storage Systems (cross-listed 15-746)
18-748  Wireless Sensor Networks
18-756  Packet Switching and Computer Networks
18-757  Network Management and Control
18-759  Wireless Networks
18-845  Internet Services
18-758  Wireless Communications
**VERSION TABLE**

*Notates dates courses were added or removed from the list.*

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<th>COURSES</th>
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