

MS Information Security

The avionics engineering department at IAA also offers MS in Information Security subject to adequate student enrolment. The award of MS degree requires successful completion of 24 credit hours of graded post-graduate level courses and successful defense of 6 credits hours of thesis research. The specific requirements for the MS-IS degree is as follows:

Core Courses: At least three of the following core courses:

Course No.	Course Title
IS-650	Number Theory
IS-750	Applied Cryptography
IS-660	Computer Networks
IS-661	Computer Security
IS-751	Cryptanalysis
IS-762	Information Security Management
IS-799 ¹	MS thesis

¹Compulsory

Elective Courses: Selection can be made from following courses:

Course No.	Course Title
IS-620	Random Processes
IS-710	Design and Analysis of Algorithms
IS-711	Neural Networks
IS-715	Optimization
IS-720	Digital Signal Processing
IS-725	Image Processing
IS-730	Software Engineering
IS-731	Soft Computing Systems
IS-732	Principles of Real-Time Computing

IS-735	Model based Software Testing
IS-740	Introduction to Chaos
IS-745	Information Theory
IS-766	Operating System Security
IS-770	Cloud Computing
IS-771	Parallel and Distributed Processing
IS-781	Wireless Network Security
IS-791	Digital Forensics