

Graduate School of Information Security

homepage : gsis.kaist.ac.kr

tel : 042-350-8302,8303,8307

■ Introduction to KAIST Graduate School of Information Security

Organizations in private enterprise and public institutions operate their businesses by managing and acquiring various types of information. These organizations experience leakage of the shared and newly acquired information as serious damage that eventually ruins business performance due to the destruction of information systems. With the supply of newly equipped IT environments, the defense of cyberspace becomes the most crucial problem for nations trying to maintain economic prosperity. In this sense, the demand for experts in information security is increasing globally.

The government established the KAIST Graduate School of Information Security in Spring 2011 to offer master's and PhD courses to foster outstanding expertise in information security

KAIST GSIS focuses not only on theoretical approaches but also on practical approaches by providing a real environment where cyber attacks and defense can be experimented with.

■ GOAL

- Offering a global top-10 level of education and industry-leading research
- Creatigh synergy through the convergence of education and research
- Fostering advanced expertise in information security to counteract malicious attackers
- Leading the industry by location and coopererrtion with a large-scale research center
- Fostering international information-security expertiose.
- integrating and assimilating underground hackers into the community

■ Research Areas

- Theory
 - cryptography, introduction to information theory, content security, information-security theory
- Technology
 - system security, physical security, mobile security, network security, access control, detection of intrusions, reverse engineering
- Policy/Law
 - management/policies in information security digital forensics, law, personal information, security, industrial security
- Esperiments and training
 - Cyber attack analysis and experiments, cyber devense analysis and esperiments