

Institute of Information Security : Cybersecurity Capacity Building Leader

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Institute of Information Security

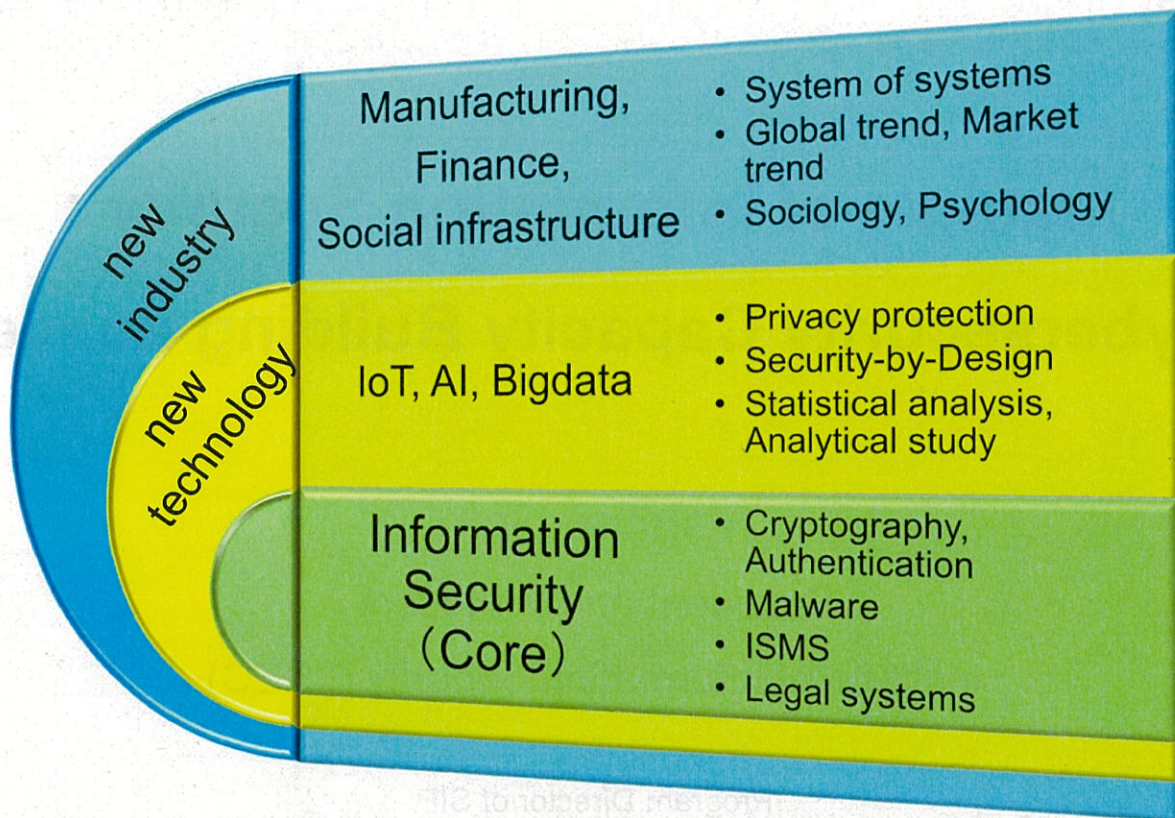
<http://www.iisec.ac.jp/>

- Graduate School specializing in Information Security founded in **2004**.
 - Master's Degree (Informatics)
 - Ph.D.(Informatics)
- Most students, **over 70%**, are working adults in governments, industries.
 - FSA, MoD, NPA, JCG, and others
 - NTT groups, Hitachi, NEC, JR, Banks, and manufacturers..
- By March 2019, **396 Masters & 36 Ph.D.** They play an active part in the information security fields in Japan.

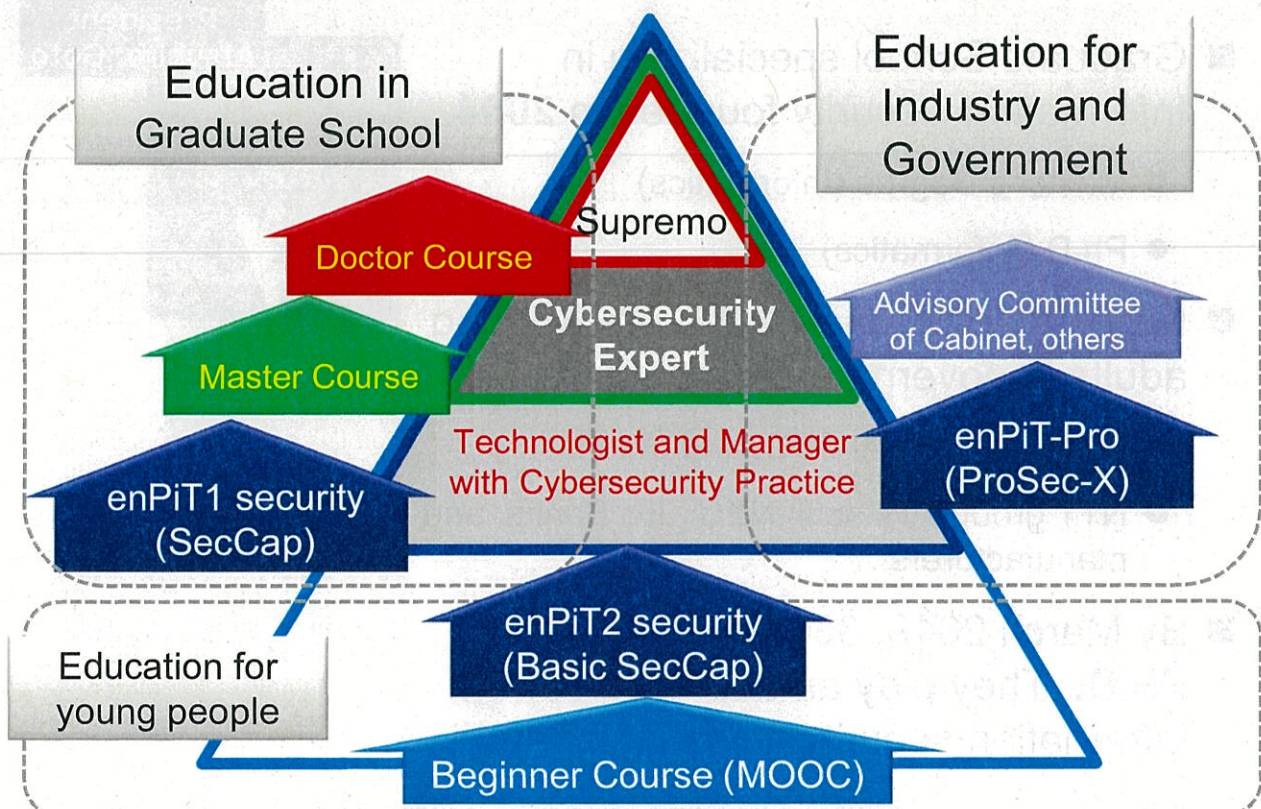
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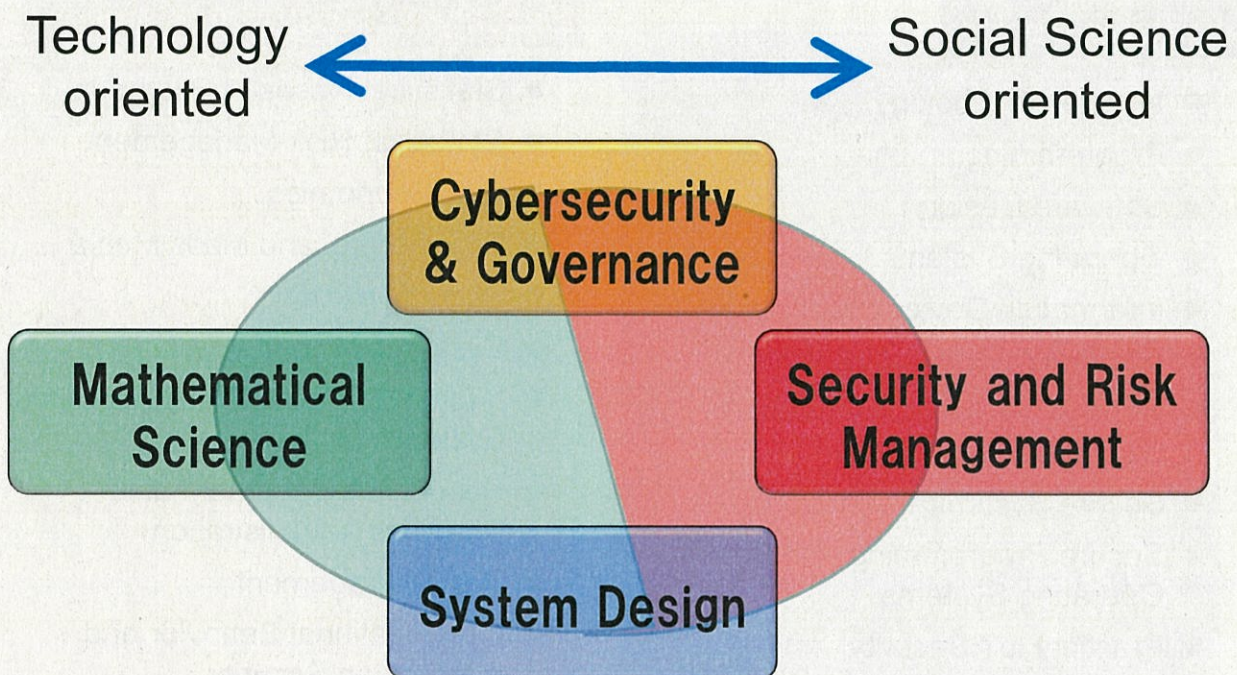


Cybersecurity R&D fields are Expanding



IISEC : Cybersecurity Capacity Building Leader





IISEC Graduate School Curriculum

Mathematical Science

- Cryptography, Authentication and Social Systems
- Cryptographic Protocol
- Algorithms
- Basic Number Theory
- Theory of Cryptography
- AI and Machine Learning

Hands-on Exercises

- Capture The Flag (CTF)
- Incident Response & CSIRT Basics
- Practical Secure Systems
- Advanced Windows Security

Cybersecurity & Governance

- Cyber Security Techniques
- Ethical Hacking/Malware Analysis
- Law and Ethics in Information Security
- Introduction to Legal Study
- Intellectual Property System
- Legal Cases in Information Security
- International Standards and Guidelines
- Individual Identification and Privacy Protection
- Cybersecurity Threat Intelligence

- Network Security Technology
- Web Application Inspection and Vulnerability Countermeasure
- Digital Forensic

Systems Design

- Internet Technology
- Programming
- Software Design
- Operating Systems
- Information Devices Technology
- Information Systems Design
- Network System Design and Operation Management
- Secure System Architecture
- Secure Programming and Secure Operating Systems
- Practical IoT Security

Security and Risk Management

- Statistical Research Methods
- Statistical Risk Management
- Risk Economics
- Risk Control and Mass Media
- Security Auditing
- System and Security Audit
- Information Security Management System
- Security Management and Business Administration
- Risk Management
- Organizational Behavior and Information Security

enPiT/SecCap to enPiT-Pro/ProSec-X

enPiT: educational networking program cultivating practical IT human resources by Japanese leading universities and industry collaboration funded by MEXT

