

ICT Mahidol
— Graduate Program —



M.Sc. in Cyber Security and Information Assurance

Faculty of Information and
Communication Technology,
Mahidol University

Program Overview



The M.Sc. program in Cyber Security and Information Assurance prioritizes comprehensive knowledge acquisition and practical skills development in cybersecurity design and implementation, alongside developing students expertise in information assurance

Contact

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Duration and Teaching Schedule


 **2 years** international program


 **Weekdays** (Saturday and Sunday)

some classes will be conducted online during Weekdays from 6–9 pm.

 **Required Credits**
not less than 36 credits

 **Plans of Study**
Plan 1.2 Academic (Thesis)
Plan 2 Profession (Independent Study)

 **Type of study**
Onsite and Online

 **Location**
Faculty of ICT Building,
Mahidol University, Salaya Campus

**Instructor Team
with security
certificates**



Spotlight Courses

Core Courses

2 courses for Thesis plan:
4 courses for Independent Study plan

- >> Data Science for Cyber Security
- >> Blockchain Technology
- >> Cloud Security
- >> Reverse Engineering and Malware Analysis
- >> Network Forensics
- >> Mobile and IoT Security
- >> Secure Software Design
- >> Intrusion Detection and Prevention
- >> Fraud Analysis and Detection
- >> Incident Response Management
- >> Authentication Technology Management



Program Learning Outcomes (PLOs)

PLO1 Apply the concepts, and the theories in cyber security and information assurance to its IT applications as well as other related disciplines to assure security of IT systems

PLO2.1 Create a new framework in cyber security and information assurance through original research (Plan 1)

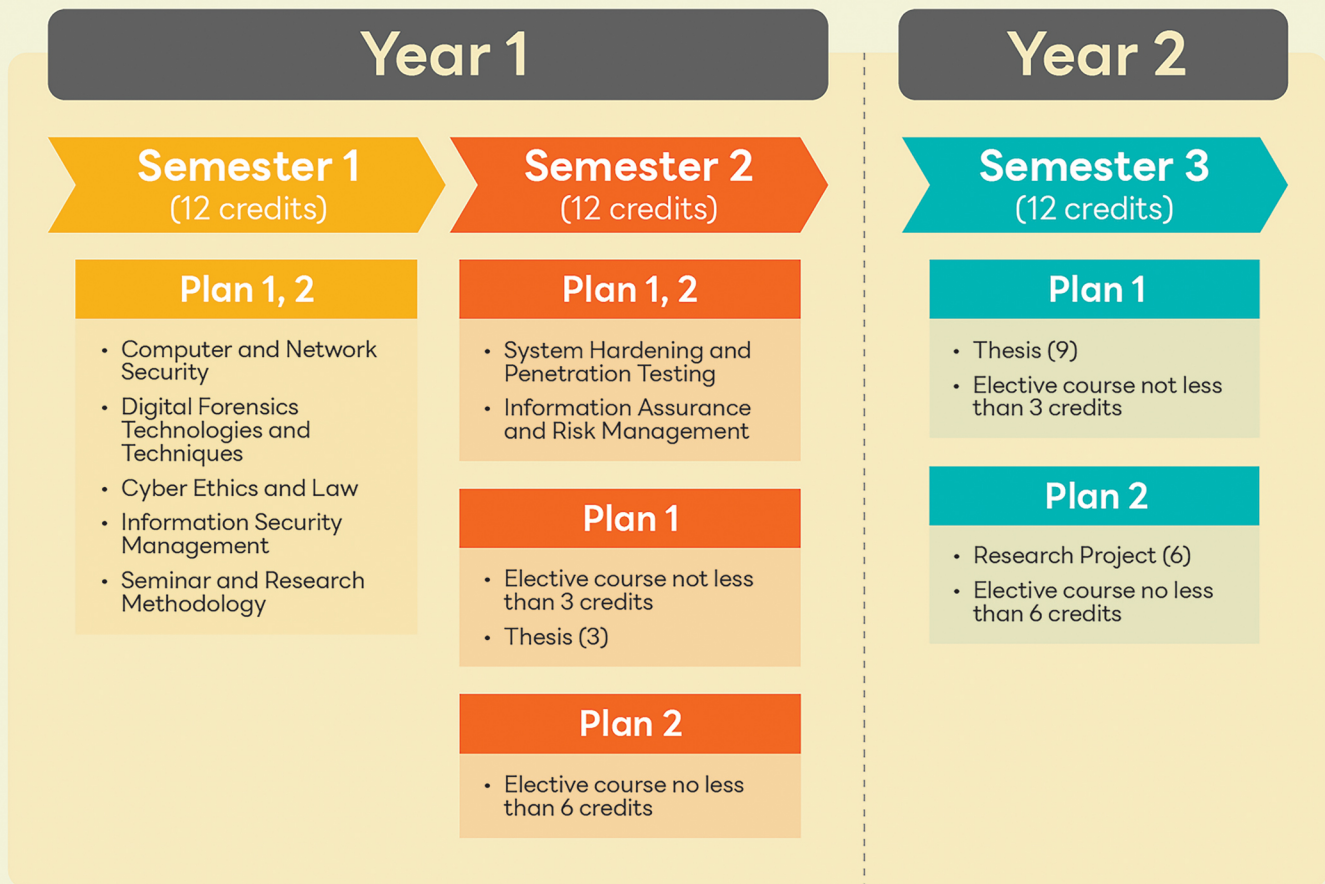
PLO2.2 Assess and select practical solutions in cyber security and information assurance to improve computer system security against threats by using research methodology (Plan 2)

PLO3 Apply professional-and-ethical responsibility and morality in professional environments and society

PLO4 Demonstrate interpersonal skills, and the senses of responsibility and accountability, for operating in the assigned role and task within the team/organizational setting



Study Plan



Opportunities for Graduates



- >> Security system developer
- >> Data security administrator
- >> Software security administrator
- >> Network and server administrator
- >> Network and server security administrator
- >> Cybersecurity and information assurance researcher
- >> Cybersecurity and information assurance consultant
- >> Security system auditor

Qualifications of Prospective Students

Holding a Bachelor's degree or equivalent in Computer Science, Computer Engineering, Information Technology, Electrical Engineering, or computer related fields or holding a Bachelor's degree with at least 15 credits of computer-related courses or holding a Bachelor's degree with working experiences at least one year in computer-related field

Applicants with other qualifications may be considered

As **the English proficiency requirements**, applicants must get **at least 70 scores** before graduating from Mahidol. To take the English exam, please visit this



website

<https://graduate.mahidol.ac.th/inter/prospective-students/?topic=english-proficiency>



Graduate Program

ICT Mahidol 
"ONE ICT: Go forward together as one"

OPPORTUNITY



**"Protect the future,
one system at a time**

join M.Sc. in Cyber Security and
Information Assurance @ICT Mahidol"

Assoc. Prof. Dr. Vasaka Visoottiviseth
Program Chair

Let's study Together !

Ready to take your
education to the next level?

**Program
Information**



Apply Now



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