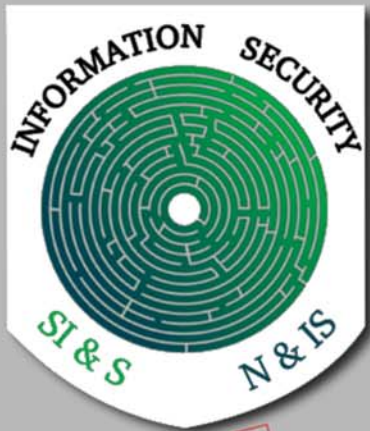


Learn
Pentesting & Cyberwarfare techniques
from experts in the field



SPECIALIZED MASTER

NETWORK & INFORMATION SECURITY (N&IS)



Networks

Applications &
Networks Security
Information Systems,

Cyberwarfare techniques

Secure & Network programming

Auditing / pentesting techniques



N&IS

LAVAL - FRANCE

<https://sites.google.com/site/esieanismaster>

SPECIALIZED MASTER

NETWORK & INFORMATION SECURITY

ESIEA, A FRENCH "GRANDE ECOLE"

ESIEA is an institution of higher education which provides a five-year course towards the French bac+5 "ingénieur" degree (equivalent to a Master of Science or Master of Engineering and recognized as such by most international graduate schools).

ESIEA is accredited by the CTI (Commission des Titres d'Ingénieurs/the official accreditation body of the French Ministry of Education) to deliver both Engineering Degrees and Specialized Master Degrees.

It has been providing excellence in education in the fields of Information Technology, Computer Science, Electronics and Automated Systems since 1958. There are now more than 6200 graduates worldwide. Our graduates are open to other cultures and able to work in globalized contexts.

DESCRIPTION OF THE SM N&IS

Our "Network and Information Security" Specialized Master is a Post-master professional degree in network and information security. It is a one-year highly technical program consisting of both:

- A 6-month academic period (lectures, seminars, conferences, small projects)
- And a 6-month internship period either in a company or in a lab which culminates in a professional thesis to be written and defended.

OBJECTIVES OF THE SM N&IS

Our Specialized Master in Network and Information Security (SM N&IS) enables future specialists to give precise answers to the very diverse security issues with which all components of digital information are currently confronted. The training especially emphasizes the concept that grows in an environment based on new and emergent technologies. Hence our motto: "from Codes to Networks".

An intensive one-year program which fuses academic study with a hands-on internship component.

SOME COURSES

NETWORKS
N&IS101 Fundamentals of Networks
N&IS102 Architecture and Conception of Networks
N&IS103 Wireless Networks

INFORMATION SYSTEM, APPLICATIONS AND NETWORKS SECURITY

N&IS-109 Operating systems: Windows and *nix
N&IS-201 Cryptography and Cryptanalysis
N&IS-202 Network Security
N&IS-203 Security of Operating Systems
N&IS-204 Security of applications and Data Bases
N&IS-205 Forensics Analysis
N&IS-206 Smartcards

SECURE AND NETWORK PROGRAMMING

N&IS-104 Algorithmic of Security
N&IS-105 Analysis and generation of codes
N&IS-107 High level languages for network programming (C, Java)
N&IS-108 Script languages for network programming (Python, Ruby)
N&IS-212 Virology

CYBER WARFARE TECHNIQUES

N&IS-2S205 Forensics and Anti-Forensics techniques (advanced)
N&IS-2S202 Computer Virology (advanced)
N&IS-2S203 Advanced cryptanalysis and malicious cryptology.
N&IS-2S212 Active auditing and pentesting (advanced level).
N&IS-2S003 Social engineering and intelligence gathering techniques
N&IS-2S206 Software vulnerabilities detection and fuzzing
N&IS-2S208 Cyberwarfare techniques and tactical thought.

ADMISSION REQUIREMENTS

To be eligible, applicants must hold a bachelor's degree (or equivalent) or a master's degree in the following fields:
-Computer Science
-Computer/software Engineering
-Applied Mathematics with a solid background in computer Science
Consultants in the field of Information Technologies (IT) with a background in Computer science and experienced engineers in IT can also be enrolled.

ADMISSION PROCESS

1. Please email your detailed resume to masters@esiea.fr.
If your qualifications and skills enable you to apply for the master, you will be sent an application form to fill in.
2. If your application is accepted, you will be sent an admission certificate.

CONTACT

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Website : <https://sites.google.com/site/esieanismsmaster/>



PARIS

Laval is located in the western part of France, at only 1h40 from Paris by TGV