STRATEGOS: MSc in Engineering **Technology for Strategy & Security**

The University of Genoa organizes **STRATEGOS**: the new International Master Science Degree (MSc, Laurea Magistrale dell'Università di Genova) in "Engineering Technology for Strategy and Security", developed in strong synergy with Major Companies & Organizations.

STRATEGOS is 1st Italian MSc on Strategic **Engineering** and among first ones in the world.

The Master's Degree STRATEGOS deals with a new discipline: Strategic Engineering is promoted by Industries to combine Simulation, Data Analytics, Al¹/IA² to address Strategic Decision Making. STRATEGOS is very trans-disciplinary and provides to Engineers important elements of Economics and International Affairs to interact and work with **Decision Makers** and **Executives**

STRATEGOS uses extensively Labs, RPG3, Simulations, Serious Games, and interactions with Experts & in Companies, to concretely experiment the proposed concepts on the field

STRATEGOS PROGRAM

STRATEGOS is two years long, including the last Semester to be conducted entirely as Internship, with related Thesis, inside a Company (48 credits_ over 120 total) addressing a real problem.

STRATEGOS core is represented by Modeling, Simulation Techniques, Al Methodologies, Smart Algorithms, Machine Learning, Data Farming & Analytics for Complex Systems. These aspects are integrated with enabling factors such as **IoT**⁴. IoE5, Social Media, Human Behavior Models in order to support design and development of new Solutions. STRATEGOS program includes also 4 courses of **Economics** and 2 of **International** Affairs to assess KPIs6 and Risks.

STRATEGOS: INDUSTRIAL **INTERNSHIPS & EXPERIENCES**

Prestigious Multinational Industries such as Accenture, Ansaldo, Axpo, Hitachi, Leonardo, PW. Tenova, Thales etc. are among the promoters of **STRATEGOS** (all lectures in English plus a Technical English Course).

STRATEGOS Companies offer to our students the final *Internships* in their Organizations which fully covers the last Semester (40 credits) plus related Thesis (8 Credits): indeed they aim to train students as well as to evaluate them while searching for talents in Strategic Engineering. In addition there are other experience possibilities in Centers of Excellence of International Agencies (e.g. NATO) and Hi-Tech Companies,

STRATEGOS offers also many additional options, perfectly integrated into its Program: for example to conduct a Summer Stage on the field along the first year, perhaps during a start-up of a new Innovative System or into an Hospital of an Emerging Country, or by collecting/processing data on board a Military Vessel or assisting a Manager within his Company; indeed we want our Strategic Engineers to know how to support high-level decisions using the most important modern technologies, but also to take the field, getting hands dirty and to face real challenges.

STRATEGOS offers you many Workshops and Seminars, developed side by side with Industries, on Specific Applications to Complex Systems such Strategy Management, Organization Change, Hybrid Warfare, Operational Planning, Cyber Security, Project Management, Safety & Security, Business Intelligence, etc.



- **Artificial Intelligence** Role-Playing Games
 - - 4 IoT Internet of Things 6 KPI Key Performance Indicator



STRATEGOS: YOUR JOB & FUTURE

By completing STRATEGOS Program you will learn how to interact with *Decision Makers* to work in Large Industries, in Consultancy, in Hi-Tech Companies and/or International Organizations. This is a very **stimulating job** where you will have to know how to meet the needs of the Managers to design and develop innovative Solutions based on the combination of Simulation, Big Data and Machine Learning to guarantee Competitive Advantages. You will analyze problems, create new algorithms and architectures based on ... advanced technologies and you will frame the final results within Innovative, Immersive, Interactive and Intuitive Environments able to validate and use them. Therefore it will be very important for you to be able to propose alternatives directly to the Decision Makers and to guide them in the management and execution of their Strategies.

STRATEGOS: ENTRY REQUIREMENTS

STRATEGOS accepts all BSc in Engineering (Lauree Triennali). Applicants are invited to send their CV to info.strategos@diten.unige.it and to apply for an individual interview (live/skype/phone) to obtain a personal Assessment on their Potential for Strategic Engineering and English skills.

STRATEGOS CONTACTS

For enquiries, please write info.strategos@diten.unige.it or contact directly the Course Coordinator

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STRATEGOS Web Site

URLs:



courses.unige.it/10728

www.strategosmaster.org

www.instagram.com/strategos engineering

twitter.com/StrategosE

STRATEGOS Information

Email: info.strategos@diten.uniqe.it

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for Strategy & Security

Scuola Politecnica

INGEGNERIA

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Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni

> **URL:** www.diten.unige.it Email: info.strategos@diten.unige.it

The Engineer develops the scientific knowledge, the related technologies and models in order to design and build solutions and systems able to fulfill the industrial expectations. society needs and people wishes

