

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, AI/ 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, AI Methodologies, Smart Algorithms, Machine Learning, Data Farming & Analytics* for *Complex Systems*. These aspects are integrated with enabling factors such as *IoT⁴, 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 as *Strategy Management, Organization Change, Hybrid Warfare, Operational Planning, Cyber Security, Project Management, Safety & Security, Business Intelligence*, etc.

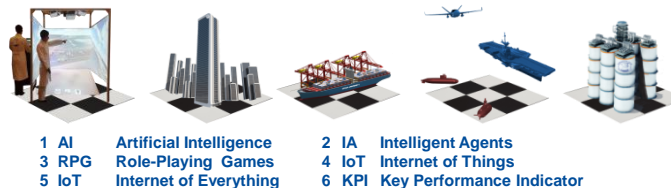


STRATEGOS: YOUR JOB & FUTURE

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*.



1 AI Artificial Intelligence
3 RPG Role-Playing Games
5 IoT Internet of Everything

2 IA Intelligent Agents
4 IoT Internet of Things
6 KPI Key Performance Indicator

STRATEGOS CONTACTS

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

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STRATEGOS Web Site

URLs:



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courses.unige.it/strategos

www.strategosmaster.org

www.instagram.com/strategos_engineering

twitter.com/StrategosE

STRATEGOS Information

Email: info.strategos@diten.unige.it

STRATEGOS Industrial Partners for Internships



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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

