Companies, Public Bodies, Law Enforcement, Army, Air Force, Navy and State Bodies increasingly need professional profiles capable of organizing and managing security all round by integrating specific professional training with intelligence and communication skills, geopolitics, law, economic intelligence and above all advanced skills on new digital technologies.

OBJECTIVES

The I and II level Master’s degrees are aimed at providing the knowledge and operational skills to plan, organize and implement activities in the context of intelligence and security, increasingly linked to the new challenges that today public bodies and companies must overcome. The Master’s degree provides both a solid knowledge of the general principles of law, geopolitics, economic intelligence and communication, as well as specific knowledge and operational skills related to advanced IT tools and new digital technologies that can be used for intelligence processes and activities, with theoretical learning and laboratory activities related to the following areas: Artificial Intelligence, Machine and Deep Learning, Cyber Security, Biometrics and Gait Recognition, Web Intelligence, Text Mining, Open Source Intelligence, Crowdsourcing, Intelligence, Computer Vision, Unmanned Autonomous Vehicles, Augmented and Virtual Reality.

Particular attention is paid to the integration of specialist knowledge with those transversal skills necessary to increase the capacity for both insertion and growth within the different work contexts.

QUALIFICATION ISSUED

I level University Master’s degree in “Intelligence and ICT”

II level University Master’s degree in “Intelligence and ICT”

MODULES AND CONTENTS

Module 1 – Intelligence and National Security
Intelligence and the various possible perspectives of analysis. Historical evolution of intelligence. Technological Evolution. New scenarios introduced by emerging digital technologies.

Module 2 – Law for Intelligence
States and (digital) sovereignty. Intelligence and legal systems at national, European and global levels. Values and approaches. National interest. Law in the areas of Security and Intelligence for Companies. Intelligence relations with other public institutions (Defence, Judiciary, ...).

Module 3 – Geopolitics
New scenarios of international politics in which Intelligence is inserted. Alliances in the multipolar world. The competition between different economic models and technological systems. The role of intelligence against terrorism, national and transnational organized crime, conflicts. Geopolitics and intelligence for the business world.

Module 4 – Intelligence Cycle and Negotiation of Complex Situations
Structuring of the Intelligence process. Role and methodologies of the analysis. Methods of data collection and integration. Definition of the intelligence process and descriptions of the basic steps for building an intelligence activity. Laboratory activities.

Module 5 – Information Technologies for Intelligence
Theoretical elements and Laboratories of Artificial Intelligence, Biometrics, Gait Recognition, Machine Learning, Deep Learning, Text Mining, Web Intelligence, Open source Intelligence, Crowdsourcing for Intelligence, Autonomous security systems based on intelligent IoT sensors and drones, Augmented, Mixed and Virtual Reality.

Module 6 – Media, Communication and Intelligence
Communication and Intelligence. New media and intelligence. New communication scenarios: persuasion, fake news, social media intelligence. Workshop on media and communication for the intelligence process.

Module 7 – Cyber Intelligence

Module 8 – Economic Intelligence
Economic intelligence and national security. Intelligence for the protection of company know-how and competitiveness. The new challenges of energy supplies. Intelligence and Complexity.

Seminars

Total Teaching Hours

Stage

Final Exam
TEACHING ORGANIZATION

The teaching activity will be carried out in a mixed mode. All teaching activities will always be available online and broadcast live (on an e-learning platform), including laboratory activities. The 1st level Master’s degree provides the knowledge and operational skills to plan, organize and implement activities in the context of intelligence and security. Specifically, the course, anchoring itself to a solid knowledge of the main Intelligence techniques and methodologies, allows you to develop operational skills thanks to the laboratory dimension of the planned educational activities. It also allows you to integrate specific knowledge with characteristics that will vary according to the specific discipline and specific contents. In addition, seminars are planned for in-depth analysis on specific topics, which will also be identified taking into account the interests and proposals of the participants. Finally, to relate what has been learned in the various modules with the various realities of the application contexts, an internship is envisaged, which can be carried out in affiliated companies, in university laboratories or in research centers. The activities carried out as part of the seminars and internships will be illustrated in a thesis that will be the subject of the final exam. The lessons will be held over 14 weekends from October 2022 to September 2023 (from Friday afternoon to Sunday afternoon).

MASTER’S SEAT

University of Udine.

PROFESSIONAL PROFILE

The Master’s degree trains specialists able to operate in the context of intelligence and security, with a profile particularly careful in managing new information technologies (Cybersecurity, Data Analysis, Machine / Deep Learning, Biometrics, Web Intelligence, Business Intelligence, Open Source Intelligence, Artificial Vision, Virtual and Augmented Reality, False News Discourse etc.). The professional figure trained by the Master’s degree will be able to combine the awareness of the geopolitical context in different national and international contexts with the ability to protect, analyse and process large amounts of data (Big Data) using the most modern information technologies. The 1st level Master’s degree provides the knowledge and operational skills to plan, organize and implement activities in the context of intelligence and security. Specifically, the course, anchoring itself to a solid knowledge of the main Intelligence techniques and methodologies, allows you to develop operational skills thanks to the laboratory dimension of the planned educational activities. It also allows you to integrate specific knowledge with characteristics that will vary according to the specific discipline and specific contents. In addition, seminars are planned for in-depth analysis on specific topics, which will also be identified taking into account the interests and proposals of the participants. Finally, to relate what has been learned in the various modules with the various realities of the application contexts, an internship is envisaged, which can be carried out in affiliated companies, in university laboratories or in research centers. The activities carried out as part of the seminars and internships will be illustrated in a thesis that will be the subject of the final exam. The lessons will be held over 14 weekends from October 2022 to September 2023 (from Friday afternoon to Sunday afternoon).

COURSE COUNCIL

Prof. Gian Luca Foresti (Director, responsible for the Cyrguardia area)
Prof. Guglielmo Cevolin (vice-director, responsible for the Law and Geopolitics area)
Prof. Carlo Tasso (vice-director, responsible for the Artificial Intelligence area)
Prof. Francesco Zucconi (vice-director, responsible for the Intelligence area)
Prof.ssa Manuela Farinosi (responsible for the New media and Communication area)
Prof. Mario Caligiuri
Dr. Gianluigi Sechi

SUBSCRIPTION FEE

Registration fee for the 1st level Master’s degree: Euro 3,750.00.
Registration fee for the 2nd level Master’s degree: Euro 4,250.00.

For members belonging to the police forces and for employees of affiliated companies, both for the 1st and 2nd level Master’s degrees, there is a reduction of the registration fee of 20% (Euro 3,000.00 for enrolment in the 1st level Master’s degree and Euro 3,400.00 for enrolment in the 2nd level Master’s degree).
The fee can be divided into 2 installments.

SCHOLARSHIPS

Further economic benefits are envisaged and aimed at partially reducing the enrolment fee for the 1st and 2nd level Masters.

For the 2022-23 edition, at least 2 scholarships are provided for 50% of the enrolment fee and 3 scholarships for 20% of the enrolment fee. Further benefits will be recognized in relation to the number of students and budget increases up to 4 scholarships at 50% of the enrolment fee and 6 scholarships at 20% of the enrolment fee in the case of a maximum number of students. subscribers.

To obtain this facility, students must submit the request for financial relief to the Master’s degree Council by sending an email to the address masterintelligence@uniud.it, attaching the cover letter and CV.
Applications must be submitted without delay by 12.00 on August 31st, 2022.

Condition for access to the benefits is having already submitted an application for enrolment in the Master.

The application form must be submitted online by 12.00 on October 20th, 2022 by accessing to www.uniud.it/masterintelligence.