

tdp



Bachelor's degree in prevention techniques in the environment and in the workplace



The prevention technician

A person in a dark jacket stands in a vast field of tall grass, looking up at a dramatic sky with soft, colorful clouds at sunset or sunrise. The sun is low on the horizon, casting a warm glow over the scene.

The prevention technician is an experienced professional in the field of safety and health and environmental protection.



The prevention technician is a health professional responsible for prevention, verification and control activities in the following areas of intervention:

- Occupational safety
- Environmental protection
 - Food safety



What does the prevention technician do?



Hazard
identification

Risk
Assessment



Risk
Management



ENVIRONMENT
HEALTH
SAFETY

Our mission is to
make living and
working
environments safer,
less polluted, and
more liveable for
everyone



Protect the health and safety of workers

Prevent work-related injuries and occupational diseases

**Improve the organizational well-being and quality of life
of people**



Protect the environment
Monitor the sources of pollution
Reduce the impact and promote sustainability



Ensure the safety and quality of food in the food industries and food chains

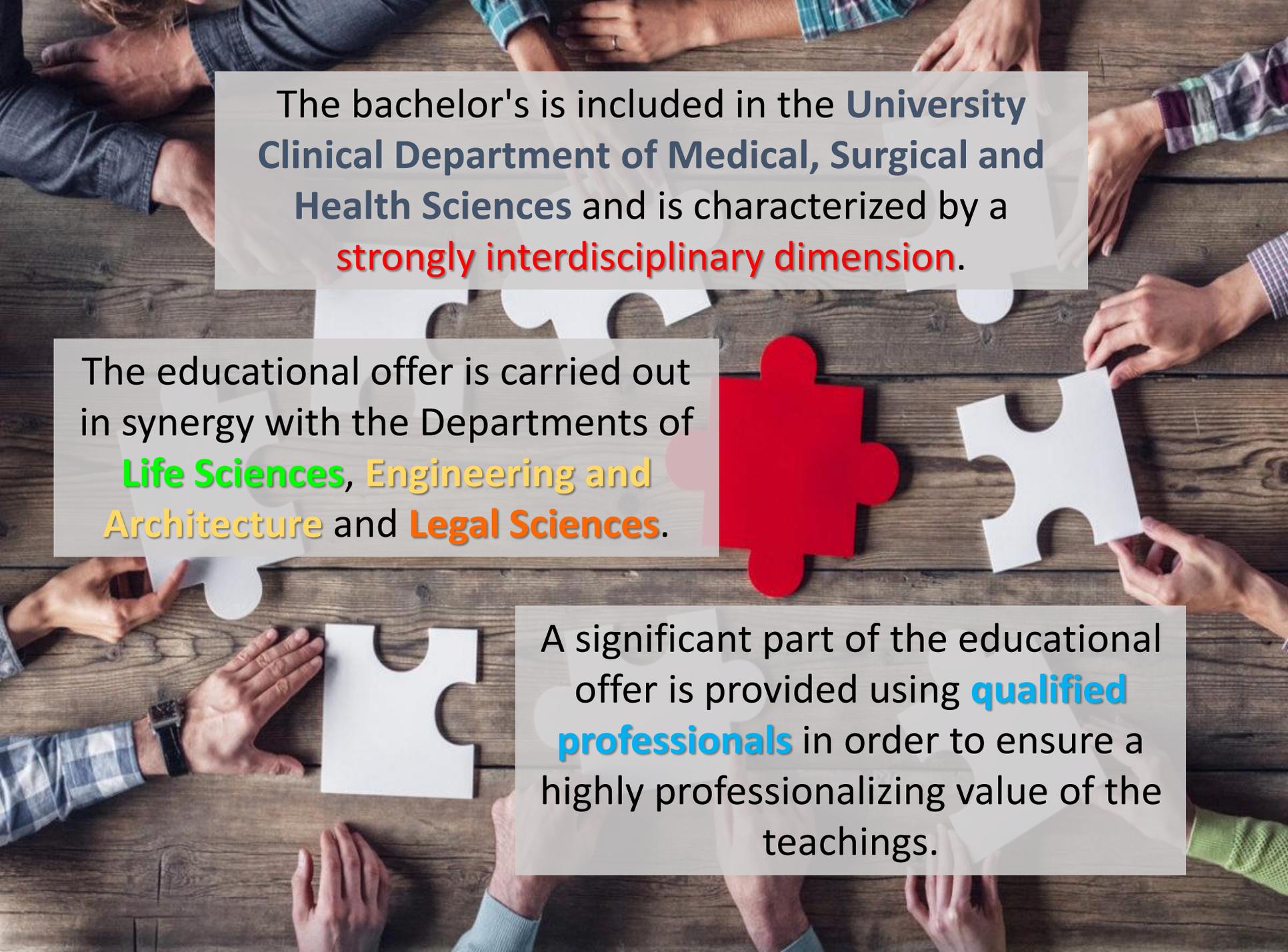


The prevention technician is a **health professional** engaged in the **promotion and protection of public health**.



The prevention technician carries out **prevention, verification and control activities** in order to protect the health and guarantee the safety of workers and of the community.





The bachelor's is included in the **University Clinical Department of Medical, Surgical and Health Sciences** and is characterized by a **strongly interdisciplinary dimension**.

The educational offer is carried out in synergy with the Departments of **Life Sciences**, **Engineering and Architecture** and **Legal Sciences**.

A significant part of the educational offer is provided using **qualified professionals** in order to ensure a highly professionalizing value of the teachings.



The educational offer

1st year

Chemical-physical sciences

Statistical and Epidemiological Sciences

Biological and biomedical sciences

Legal Sciences

Science and techniques of prevention in the
workplace, machines and safety principles

English language

2nd year

Environmental and occupational chemical risk

Environmental technologies

Sciences and techniques of environmental prevention

Toxicology

Nutrition and food safety sciences

3rd year

Interdisciplinary Sciences of Occupational Diseases

Prevention sciences in living environments

Risk communication

Emergencies, disasters and first aid

*An innovative multidisciplinary
training course aimed at
providing the skills to understand
the major issues of
environmental protection, health
and safety*

I year (48 CFU + 12 CFU INTERNSHIP)

| <i>Teaching</i> | <i>Module</i> | <i>Sector</i> | <i>TAF</i> | <i>CFU</i> |
|---|--|---------------|------------|------------|
| CHEMICAL-PHYSICAL SCIENCES (6 CFU) | GENERAL AND INORGANIC CHEMISTRY | CHIM / 03 | TO | 2 |
| | ORGANIC CHEMISTRY | CHIM / 06 | TO | 2 |
| | APPLIED PHYSICS | FIS / 07 | TO | 2 |
| STATISTICAL COMPUTER SCIENCES AND EPIDEMIOLOGY (7 CFU) | MEDICAL STATISTICS | MED / 01 | TO | 2 |
| | INFORMATICS | ING-INF / 05 | B. | 2 |
| | EPIDEMIOLOGICAL METHODOLOGY E HYGIENE | MED / 42 | B. | 3 |
| ENGLISH LANGUAGE | | L-LIN / 12 | And | 3 |
| THE ORGANIZATION OF SECURITY IN THE COMPANY | | NN | F. | 1 |
| RISK ASSESSMENT METHODS | | NN | D. | 1 |
| LEGAL SCIENCES (7 ECTS) | CRIMINAL LAW | IUS / 17 | B. | 3 |
| | LABOR LAW | IUS / 07 | B. | 2 |
| | ADMINISTRATIVE LAW | IUS / 09 | B. | 2 |
| BIOMEDICAL SCIENCES (6 CFU) | HUMAN ANATOMY | BIO / 16 | TO | 2 |
| | HUMAN PHYSIOLOGY | BIO / 09 | TO | 2 |
| | GENERAL PATHOLOGY | MED / 04 | TO | 2 |
| BIOLOGICAL SCIENCES (6 CFU) | BIOCHEMISTRY | BIO / 10 | TO | 2 |
| | APPLIED BIOLOGY | BIO / 13 | TO | 2 |
| | MICROBIOLOGY | MED / 07 | TO | 2 |
| SCIENCES AND TECHNIQUES OF PREVENTION IN THE WORKPLACE (8 ECTS) | PREVENTION OF ACCIDENTS AND PROFESSIONAL DISEASES | MED / 50 | B. | 2 |
| | GOOD PRACTICES FOR THE PREVENTION IN THE WORKPLACE | MED / 50 | B. | 2 |
| | INDUSTRIAL HYGIENE I | MED / 44 | B. | 2 |
| | MACHINES AND PRINCIPLES OF ELECTRICAL SAFETY | ING-IND / 32 | C. | 2 |
| JUDICIAL POLICE ACTIVITIES | | NN | D. | 1 |
| SPECIFIC LABORATORY | RISK ASSESSMENT LABORATORY | MED / 50 | F. | 2 |
| 1st YEAR ANNUAL INTERNSHIP | | MED / 50 | B. | 12 |

II year (42 CFU + 18 CFU INTERNSHIP)

| <i>Teaching</i> | <i>Module</i> | <i>Sector</i> | <i>TAF</i> | <i>CFU</i> |
|--|--|---------------|------------|------------|
| OCCUPATIONAL ENVIRONMENTAL CHEMICAL RISK (9 CFU) | PHARMACOLOGY AND GENERAL TOXICOLOGY | BIO / 14 | TO | 3 |
| | OCCUPATIONAL TOXICOLOGY, ACUTE POISONING AND READY AID | MED / 44 | B. | 4 |
| | INDUSTRIAL HYGIENE II | ING / IND11 | B. | 2 |
| SCIENCES AND TECHNIQUES OF PREVENTION IN THE ENVIRONMENT | ECOLOGY | BIO / 7 | TO | 2 |
| | ENVIRONMENTAL CHEMISTRY | CHIM / 12 | B. | 2 |
| | PREVENTION OF ENVIRONMENTAL POLLUTION | MED / 50 | B. | 2 |
| | AUTHORIZATIONS, SURVEILLANCE AND ENVIRONMENTAL CONTROL | MED / 50 | B. | 2 |
| ENVIRONMENTAL TECHNOLOGIES (6 CFU) | POLLUTION AND WASTE MANAGEMENT | ICAR / 03 | B. | 2 |
| | POLLUTION AND AIR PURIFICATION | ICAR / 03 | B. | 2 |
| | POLLUTION AND WATER PURIFICATION | ICAR / 03 | B. | 2 |
| ENVIRONMENTAL MANAGEMENT OF PRODUCTION SITES | | NN | F. | 1 |
| FOOD SCIENCES (10 ECTS) | FOOD CHEMISTRY | CHIM / 10 | B. | 2 |
| | RISK ANALYSIS IN FOOD PRODUCTION | VET / 04 | B. | 2 |
| | FOOD SCIENCES AND TECHNOLOGIES | AGR / 15 | B. | 2 |
| | FOOD AND NUTRITION HYGIENE | MED / 42 | B. | 2 |
| | TECHNIQUES OF PREVENTION IN FOOD AND IN HYGIENE VETERINARY SERVICES | MED / 50 | B. | 2 |
| HUMAN SCIENCES (6 CFU) | PSYCHOLOGY OF WORK AND OF ORGANIZATIONS | M-PSI / 06 | B. | 2 |
| | BUSINESS ORGANIZATION | SEC-P / 10 | B. | 2 |
| | PROFESSIONAL RESPONSIBILITY AND THE PROTECTION OF THE INDIVIDUAL AT WORK | MED / 43 | B. | 2 |
| SPECIFIC LABORATORY | MANAGEMENT SYSTEMS AND AUDIT TECHNIQUES | MED / 50 | F. | 2 |
| ANNUAL INTERNSHIP II YEAR | | MED / 50 | B. | 18 |

| III year (30 CFU + 30 CFU INTERNSHIP) | | | | |
|--|---|--------------|-----|-----|
| Teaching | Module | Sector | TAF | CFU |
| INTERDISCIPLINARY SCIENCES OF PROFESSIONAL DISEASES (10 CFU) | PROFESSIONAL AND WORK-RELATED DISEASES | MED / 44 | B. | 4 |
| | TECHNIQUES OF THE PREVENTION OF PROFESSIONAL DISEASES | MED / 50 | B. | 2 |
| | OVERLOAD PATHOLOGIES | MED / 33 | B. | 2 |
| | HEALTH RADIATION PROTECTION | MED / 44 | B. | 1 |
| | PHYSICAL RADIATION PROTECTION | MED / 36 | B. | 1 |
| SCIENCES OF PREVENTION IN LIFE ENVIRONMENTS (7 ECTS) | PREVENTION OF ENVIRONMENTAL-RELATED DISEASES | MED / 50 | B. | 2 |
| | EMERGENCIES, DISASTERS AND FIRST AID | MED / 41 | B. | 1 |
| | PREVENTION OF INDOOR POLLUTION | ING-IND / 11 | B. | 2 |
| | COMMUNICATION OF RISK | SPS / 07 | B. | 2 |
| COURSES SELECTED BY THE STUDENT | | | D. | 4 |
| COURSE FOR HEAD OF PREVENTION AND PROTECTION SERVICES | | NN | F. | 3 |
| THIRD YEAR ANNUAL INTERNSHIP | | MED / 50 | B. | 30 |
| FINAL TEST | | PROVFIN_S | And | 6 |

Traineeships

... the bachelor's degree also includes a significant **internship (1500 hours)** in the following areas:



PUBLIC SECTOR :

- Local Health Authorities [ASL]
- Regional Agencies for Environmental Protection [ARPA]
- Prevention and Protection Services in the PA

PRIVATE SECTOR

- Industries - Prevention and Protection Services
- Quality, Health, Safety and Environment Offices
- Trade associations
- Professional consulting firms

REPORT TIROCINI 2022



42 STUDENTI



125 TUTOR



**14600 ORE DI
TIROCINIO EROGATE**



**50
SEDI DI TIROCINIO
DIVERSE**



Aziende
Sanitarie
Fvg



REGIONE AUTONOMA
FRIULI VENEZIA GIULIA

ARPA FVG
agenzia regionale per la
PROTEZIONE DELL'AMBIENTE
DEL FRIULI VENEZIA GIULIA



WORKSHOPS



SOUND LEVEL METER
MICROCLIMATIC CONTROL UNIT
BIOLUMINOMETER
FOOD SAMPLING
ENVIRONMENTAL SAMPLING





- a specific feature is the presence of “**didactic tutors**”
- the didactic tutor is a prevention technician with **significant professional** and **educational experience**
- it helps the student to “**personalize**” **his study path** and follows him in the internship activities

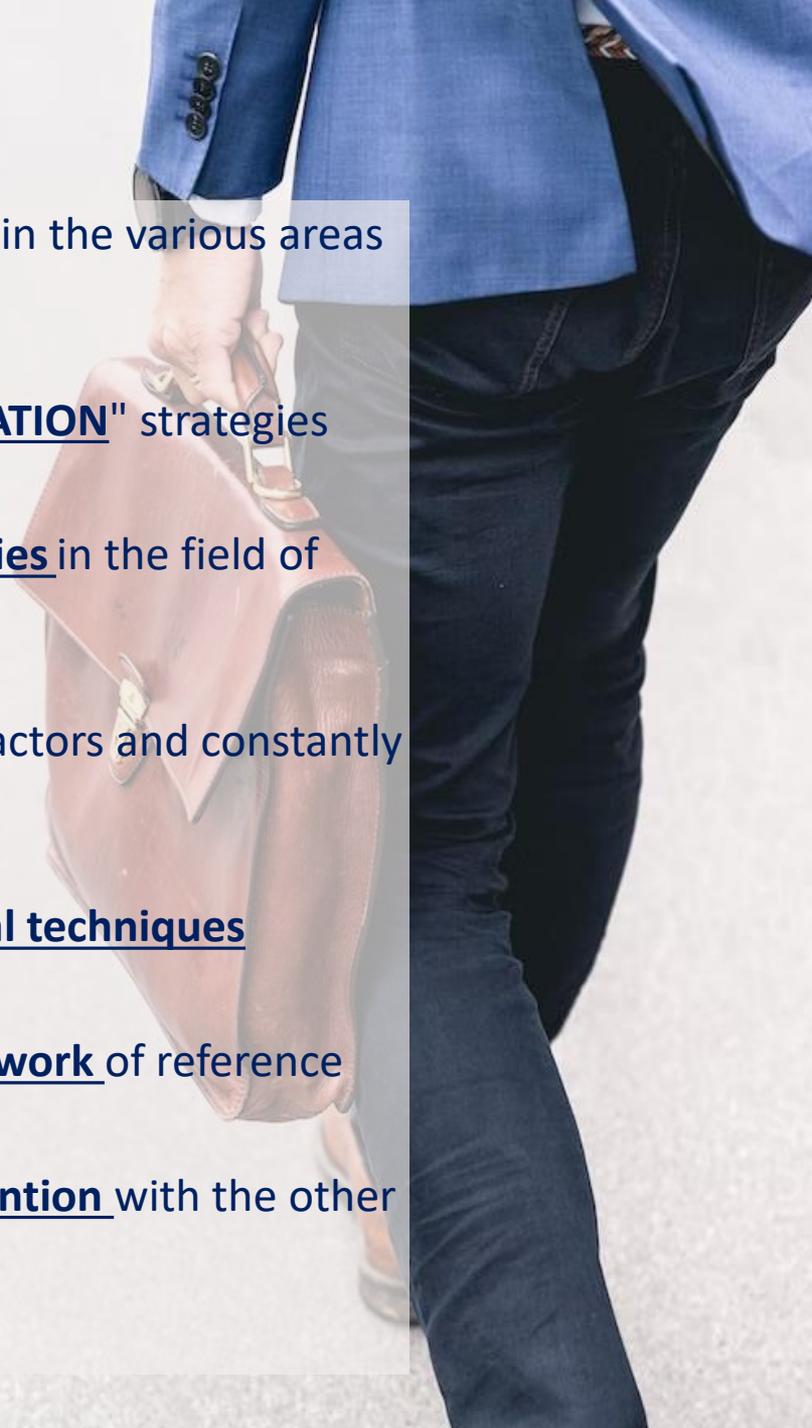
Peer tutoring

Peer tutoring activities between more "expert" students and less "expert" students in order to favor the exchange of knowledge and training experiences between students.



Professional skills

- Ability to use the "RISK ASSESSMENT" method in the various areas of intervention
- "RISK MANAGEMENT" and "RISK COMMUNICATION" strategies
- Use of research and investigation methodologies in the field of safety
- Ability to constantly update in relation to risk factors and constantly changing context
- Appropriate use of inspection and instrumental techniques
- Good knowledge of the legal-regulatory framework of reference
- Ability to interact and multidisciplinary intervention with the other professionals involved



Employment opportunities

PUBLIC SECTOR with official prevention and control functions:

- Health Authorities [ASL]
- Regional Agencies for Environmental Protection [ARPA]
- Labor Inspectorate
- Maritime, Air and Border Health Offices
- Prevention and Protection Services in the PA

PRIVATE SECTOR

with advisory and risk management tasks:

- Industries - Prevention and Protection Services
- Quality, Health, Safety and Environment Offices
- Trade associations
- Professional consulting firms



Continue the studies...

Master's Degree Course in Prevention Sciences

1st level Master:

- Management Masters: Masters for coordination functions

Specialized Masters: Master Health, Safety & Environment, Master Food Safety ...

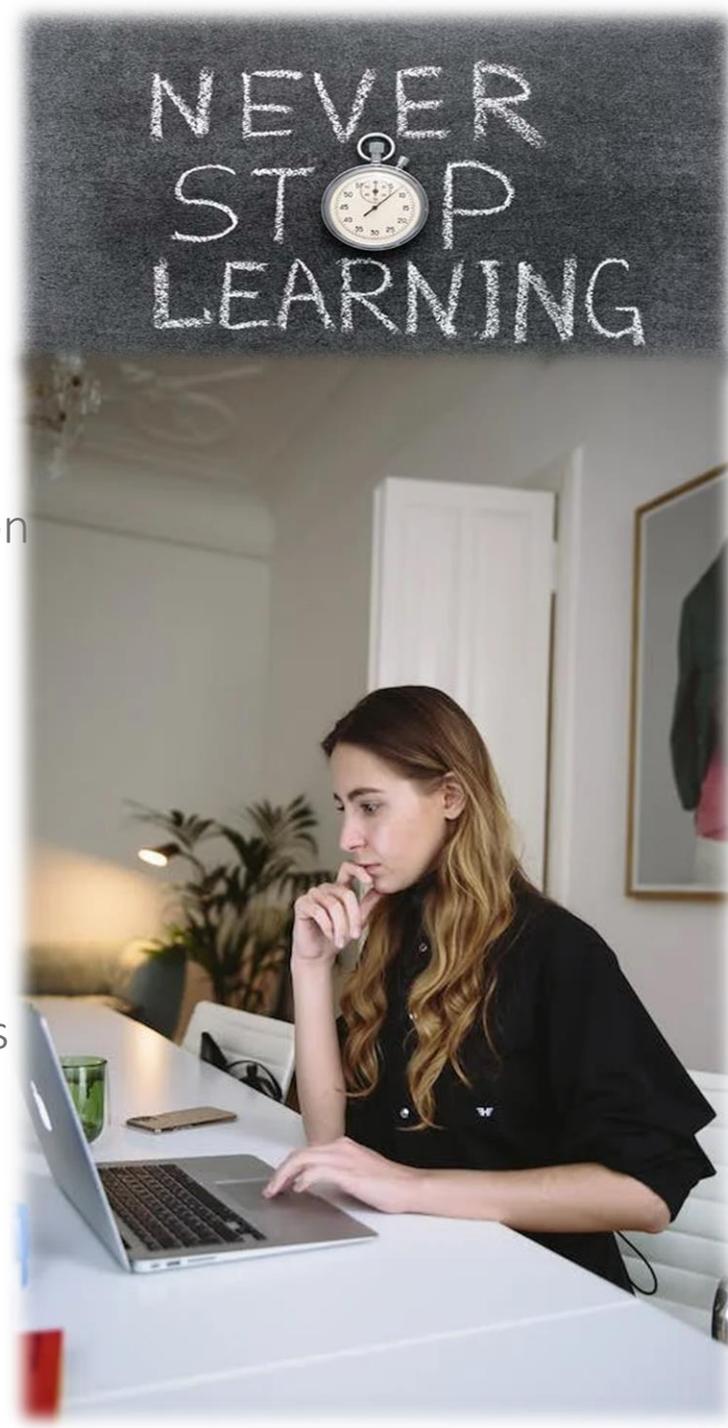
Qualifying courses:

Auditor/lead auditor

HSE manager

Competent technician in environmental acoustics

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WHERE ARE WE



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University of Trieste

The University of Trieste (Italian: Università degli Studi di Trieste, or UniTS) is a public research university in Trieste in the Friuli-Venezia-Giulia region in northeast Italy. The university consists of 10 departments, boasts a wide and almost complete range of university courses and has about 15,000 students and 1,000 professors.



University campus of Gorizia

The university campus is located in Gorizia, a beautiful city of 34,000 inhabitants located on the border with Slovenia.

A city rich in history, a hub of cultures and peoples surrounded by splendid natural landscapes.



Trieste and Gorizia have always had a European dimension being border cities between Italy and Slovenia, east and west.

We believe that the issues of **prevention, safety at work and environmental protection have no boundaries.**

For this reason we would like to offer our students a **broader view** of the issues of risk assessment and risk management, opening ourselves to comparisons with other realities and **experiences at European level.**



STEZA PRIJATELJSTVA
sporazumno dogovorjena med obcino
Dolina in obcino Sežana kot izraz
sožitja, prijateljstva in sodelovanja

SENTIERO DELL'AMICIZIA
concordato tra il Comune di S. Dorligo
della Valle - Dolina ed il Comune di Sežana
quale espressione di convivenza, amicizia
e collaborazione.

In this perspective, the Conris network and the possibility of starting Erasmus exchanges with other European universities constitute a great opportunity for the bachelor's program to grow.

We hope to be able to build a path of growth and sharing of our knowledge by offering to the new generations of students a European vision and an international attitude towards the great challenges of safety and health protection.



Thank you



Corso di laurea interateneo Trieste Udine Tecniche della prevenzione nell'ambiente e nei luoghi di lavoro

Scopri il corso di laurea



Per maggiori informazioni visita il nostro sito

<http://www.tdp.univ.fvg.it>

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