

tdp



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



The prevention technician

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.

A woman's face is shown in the center-left of the image, partially obscured by a semi-transparent blue box containing text. Overlaid on her face and the background are various digital elements: vertical lines of light in blue, green, and red, and snippets of code or text like 'elif', 'opd', 'mirror', 'gscie', 'mirror', 'modifier', 'by.context', and 'print'. The background is a blurred collage of colorful digital patterns and data streams.

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)

Teaching	Module	Sector	TAF	CFU
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

tdp



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

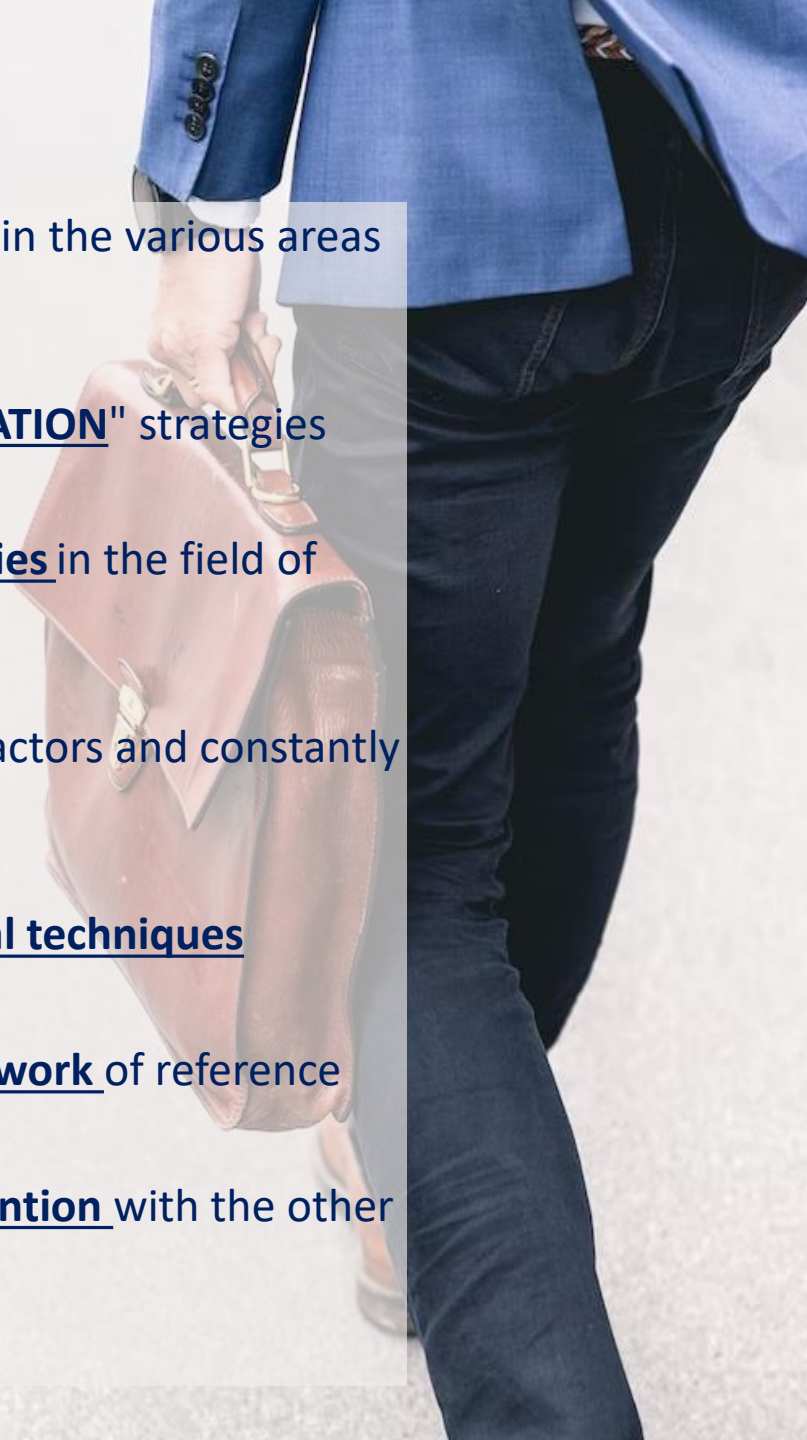
Peer tutoring

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 ...

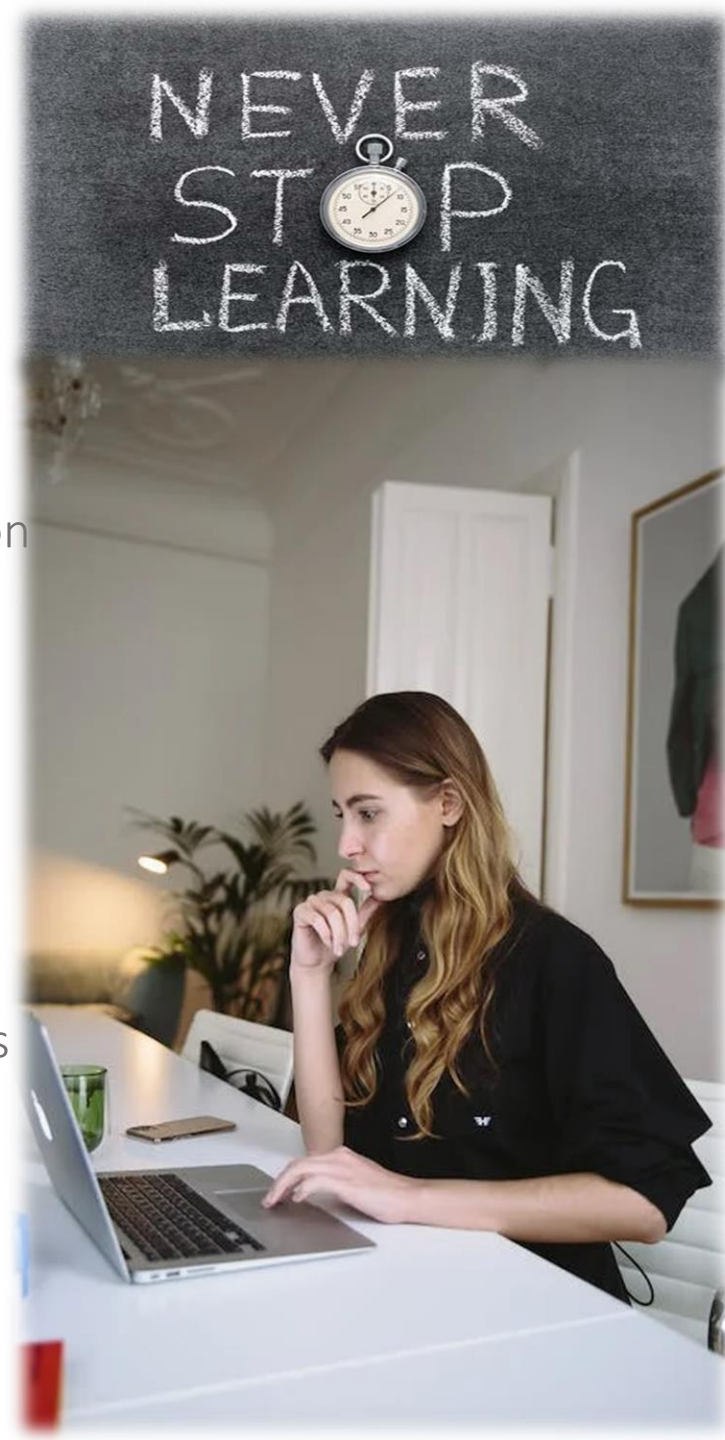
Qualifying courses:

- Auditor/lead auditor

- HSE manager

- Competent technician in environmental acoustics

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WHERE
ARE WE



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.**



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>

Contatta i tutor:

Marco Rizzo e.mail: marco.rizzo@units.it

RAFP Giovanni Missana e.mail: giovanni.missana@uniud.it

Michele Bordignon e.mail: michele.bordignon@uniud.it