

# University & Professional Careers

# ACADEMIC STUDIES

## UDINE

- Medicine
- Maths
- Physiotherapy
- Engineering

## TRIESTE

- Information Technology
- Chemistry
- Physics
- Astrophysics
- Neuroscience
- Biotechnology



Professional Careers

# MATHS

Place	Course structure	Prerequisites	Subjects	Work outlets
Udine, Rizzi	<ul style="list-style-type: none"><li>• 3 years of basic preparation</li><li>• 2 years of specialization</li></ul>	<ul style="list-style-type: none"><li>• <u>Knowledge of Arithmetics</u></li><li>• first and second degree <u>equations</u></li><li>• trigonometric, logarithmic and exponential <u>functions</u></li><li>• <u>English</u></li></ul>	<ul style="list-style-type: none"><li>• Maths</li><li>• Computer science</li><li>• Physics</li><li>• English</li></ul>	<p><u>Teacher</u>: traditional job for a mathematician</p> <p><u>Researcher</u>: in modern physics or biological research centers</p> <p><u>Software developer</u>: in great demand and well paid</p> <p><u>Computer science teacher</u>: a new profession</p> <p><u>Work advisor</u>: maths knowledge at the service of business</p>

# INFORMATION TECHNOLOGY

Place	Course structure	Subjects	Work outlets
University of Trieste	<ul style="list-style-type: none"><li>• 3 years of Engineering, Physics, Natural Sciences and Maths</li><li>• 2 years of Information Engineering and Computer Science</li></ul>	<ul style="list-style-type: none"><li>• <i>Information Engineering:</i></li><li>• Information security</li><li>• Internet and email</li><li>• <i>Computer Science</i></li><li>• Bioinformation</li><li>• logic</li></ul>	<p>Occupations:</p> <ul style="list-style-type: none"><li>• Programming</li><li>• Information management</li><li>• Research at University level</li></ul>

# BIOTECHNOLOGY

<b>Place</b>	<b>Course structure</b>	<b>Prerequisites</b>	<b>Subjects</b>	<b>Work outlets</b>
Udine, Rizzi	Entry test  1° year of basic preparation  2° two years of specialitazion	- Interest in Biology •Use of Science Labs  - Basic knowledge of maths	•Chemistry •Medicine •Ecology	•Natural Protected areas •Pharmaceutical Industry •Lab analyses

# CHEMISTRY

Place	Course structure	Prerequisites	Subjects	Work outlets
University of Trieste	3 years of basic preparation  2 years of specialization	- Interest in scientific subjects - CDL (computer driving licence) - Basic use of the Chemical Lab	•Chemistry •Maths •Computer science •Physics & Chemistry •Biochemistry	•Chemical Industry Pharmaceutical industry •Research Labs

# PHYSICS

Place	Course structure	Prerequisites	Subjects	Work outlets
University of Trieste	3 years of basic preparation  2 years of specialization	<ul style="list-style-type: none"><li>•Attitude for scientific studies</li><li>• Abstract thinking</li><li>• Solid scientific knowledge</li></ul>	<ul style="list-style-type: none"><li>•Physics</li><li>•Maths</li><li>•Physics Labs</li><li>•Computer science</li></ul>	<ul style="list-style-type: none"><li>•Technological Industry</li><li>•Physics Labs</li><li>•Research Labs</li></ul>

# THE GROUP

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EDUCARE: Italy-Norway