



# ACADEMIC



UNIVERSITÀ  
DI TRENTO

# INTERNATIONAL SHORT-TERM PROGRAMS 2019 AND 2020



Consistently with its small dimension and boutique-attitude, the University of Trento offers a number of top quality Summer and Winter Schools, that cover different areas, with a multidisciplinary approach. They are devoted to undergraduate and graduate students who want to refine their knowledge while experiencing the magic of the Alps and the beauty of Italy.

Trentino-Alto Adige has become one of the richest regions in natural and geographic wonderland. The leisure part of the short-term programs will bring participants to explore the amazing landscapes of this mountain region, where Italian and German language and culture live side by side.

**Minor changes in the following text might apply. For the updated version, please always refer to the web pages.**

## THE CITY OF TRENTO

The City of Trento, the provincial capital of the Trentino region, is a prominent cultural centre, and has been – and still is – a bridge between the Mediterranean and the northern Germanic culture for many centuries. The city is committed to the development of a flourishing economic and business environment. It hosts conferences, meetings, exhibitions and the Festival of Economics.

## THE UNIVERSITY OF TRENTO

The University of Trento, first in the national best university ranking, has focused on excellence since its inception in 1962 and it now enjoys a strong global reputation. It has 11 Departments and 3 Centres, almost 600 Professors and 17,000 students – with a strong community of international students.

## SUMMER SCHOOL IN ITALIAN LANGUAGE AND CULTURE

Eligible students	Senior Undergraduate and Graduate students
Academic background	A multidisciplinary and cross-disciplinary background is welcome, as well as some knowledge of Italian language, literature and culture
Duration and ECTS	2 weeks, 6 ECTS (+ 2 ECTS for paper submission by 1 September 2019)
Period	From 16 to 29 June 2019
Language	English
Format	5 lectures (2 hours each), 5 seminars (2 hours each), 4 discussions (2 hours each), conversations in Italian (6 hours)
Extra activities	Archaeology and Art urban field trips run by University Professors, visits to the Science Museum - MUSE and to the Modern and Contemporary Art Museum - MART, Feste Vigiliane cultural experience, water-sport activities
Social activities	Visit to Verona
Teaching methodology	Lectures, seminars, discussions, conversations in Italian
Class size	Up to 25 international students
Application deadlines	31 March 2019
Minimum requirements	English knowledge (B2 level)
Selection criteria	For students coming from partner universities: nomination by home universities.  For external students: selection by UniTrento on the basis of the English level, CV and motivation letter
Participation cost	450 € for students from partner institutions 1.000 € for external students Tuition fee, meals and accommodation are included
Accommodation	Hotel in town, double room shared
Web	<a href="https://international.unitn.it/summer-school-italian-culture">https://international.unitn.it/summer-school-italian-culture</a>
Location	UniTrento Department of Humanities, located in the city centre
Academic Coordinators	Prof. Claudio Giunta Prof. Sabrina Francesconi
Contacts	International Relations Division Email: <a href="mailto:international@unitn.it">international@unitn.it</a>

Thanks to its rich history and strategic position, Trento offers a unique gateway into Italian culture. Our Trento summer school in Italian Language and Culture, organized by the Department of Humanities, provides a two-week full immersion in Italian literature, language, history, archaeology, art, music, and cinema. Combining lectures, seminars, conversations, urban itineraries, cultural trips and outdoor activities, the program welcomes international students from a variety of disciplinary fields who seek to enrich their academic curriculum and personal growth. Participants are encouraged to develop their cultural knowledge, heighten their cultural awareness, and constantly question widespread cultural stereotypes upon Italy and the Italian culture.

## SUMMER SCHOOL ON GLOBAL CHALLENGES (GC)

Eligible students	Senior Undergraduate and Graduate students
Academic background	European Studies, Political Science, Sociology, International Relations, Law, Economics, Contemporary History (or similar)
Duration and ECTS	2 weeks, 6 ECTS (+ 2 ECTS for paper submission by 15 September 2019)
Period	From 30 June to 13 July 2019
Language	English
Format	Lectures and workshops
Extra activities	Meetings with CEOs of local industry with international scope
Social activities	Visit to the Dolomites
Teaching methodology	Traditional classes and workshops
Class size	Up to 25 international students
Application deadline	31 March 2019
Minimum requirements	English knowledge (B2 level)
Selection criteria	For students coming from partner universities: nomination by home universities. For external students: selection by UniTrento on the basis of the English level, CV and motivation letter
Participation cost	450 € for students from partner institutions 1.000 € for external students Tuition fee, meals and accommodation are included
Accommodation	San Bartolameo University Campus (10 minutes ride by bus, 5 minutes by bike from the city centre). Bikes available on request
Web	<a href="http://international.unitn.it/global-challenges-summer-school">international.unitn.it/global-challenges-summer-school</a>
Location	UniTrento Department of Sociology and Social Research, located in the city centre
Academic Coordinator	Prof. Vincent Della Sala
Contacts	International Relations Division Email: <a href="mailto:international@unitn.it">international@unitn.it</a>

The EU is a perfect laboratory to understand the causes and consequences of many of the global challenges in the contemporary world. This is why the University of Trento is proud to host an International Summer School on Global Challenges, right in the heart of Europe. The academic part of the Summer School will tackle issues such as: migration, terrorism, international trade, populism, Brexit, the changing balance of power and climate change. Debate will be encouraged by addressing specific case studies on the issues presented in class. Participants will be introduced to the business excellences of Trentino. Meetings with CEOs of locally-based companies that have expanded globally on the market are planned and open discussions will be encouraged about how to adapt local realities to global challenges.

## SUMMER SCHOOL ON CHINA STUDIES TRADITION AND INNOVATION (CSTI)

Eligible students	Senior Undergraduate and Graduate students
Academic background	Political Science, Sociology, International Relations, International Business, Law, Economics, Contemporary History, Sinology
Duration and ECTS	2 weeks, 6 ECTS (+ 2 ECTS for paper submission by 15 September 2019)
Period	From 7 to 20 July 2019
Language	English
Format	6 guest speakers, 8 hours/day of organized activities (debates, workshops, seminars, visits to local companies, excursion)
Extra activities	Visits to local companies and to the Martino Martini Centre
Social activities	Free time to visit the city, local museum and landscapes
Teaching methodology	Frontal lectures, roundtables, case studies
Class size	Up to 25 international students
Application deadlines	31 March 2019
Minimum requirements	English knowledge (B2 level)
Selection criteria	For students coming from partner universities: nomination by home universities.  For external students: selection by UniTrento on the basis of the English level, CV and motivation letter
Participation cost	450 € for students from partner institutions 1.000 € for external students Tuition fee, meals and accommodation are included
Accommodation	San Bartolameo Campus (10 minutes ride by bus, 5 minutes by bike from the city centre). Bikes available on request
Web	<a href="https://international.unitn.it/summer-school-china-studies">https://international.unitn.it/summer-school-china-studies</a>
Location	UniTrento, Faculty of Law, located in the city centre
Academic Coordinators	Prof. Ivan Cardillo (Zhongnan University of Economics and Law, Law School, China, visiting professor Faculty of Law, Trento) Prof. Gianni Santucci (Faculty of Law, UniTrento)
Contacts	International Relations Division Email: <a href="mailto:international@unitn.it">international@unitn.it</a>

As Confucius pointed out, the age of 40 is the age of maturity and doubtless. China is trying to develop its own identity by looking at its tradition and by addressing the challenges of the future. On one side we have the Confucian values, on the other side we have the needs of the digital society. Current Chinese trends are analyzed within the frame of economical, legal and cultural phenomenon and by emphasizing their traditional/historical and modern elements. The summer school will provide participants with an opportunity to better understanding current trends in China and to develop the necessary methodological skills to address China's issues.

## EIT RAW MATERIALS TOP STARS 2019 SUMMER SCHOOL

Eligible students	Graduate students, Young researchers
Academic background	Mainly materials-related, but we leverage on diversity
Duration and ECTS	10 days, 4 ECTS
Period	From 7 to 17 July 2019 (slight changes in the proposed dates may apply)
Language	English
Format	6 frontal lectures (2 hours each), 6 mentoring sessions (2 hours each) 4 tutoring sessions (2 hours each) and 26 hours of team working
Extra activities	Visits to companies
Social activities	Day off, team building activity
Teaching methodology	Frontal lectures on the domain and I&E, followed by team-work to finalize the proposed solution, harmonizing technical soundness and business feasibility. Mentoring sessions to drive and prepare for the final pitching
Class size	Up to 60 international students
Application deadline	15 May 2019 (check online for updates)
Minimum requirements	English knowledge (B2 level)
Selection criteria	English test, CV, motivation letter, optional GRE
Participation cost	750 € for partner universities 1.000 € for non-partner universities Tuition fee, accommodation and half board treatment are included in the price
Accommodation	Double room in 4-star-hotel in Trento
Web	<a href="https://sites.google.com/g.unitn.it/topstars2018">sites.google.com/g.unitn.it/topstars2018</a>
Location	CLab and UniTrento
Academic coordinators	Prof. Matteo Leoni, Prof. Alessandro Pegoretti, Prof. Massimo Pellizzari
Contacts	Email: <a href="mailto:matteo.leoni@unitn.it">matteo.leoni@unitn.it</a> Vanessa Maria Caleca (local organizer) Email: <a href="mailto:vanessamaria.caleca@unitn.it">vanessamaria.caleca@unitn.it</a>

TOPSTARS 2019 offers to PhD students a unique hands-in opportunity to address a societal challenge in the Raw Materials framework by combining the technical expertise with innovation and entrepreneurship experience. The summer school will introduce participants to entrepreneurial thinking and behaviour, business and innovation processes, high-tech ventures marketing and business model generation techniques.

At the beginning of the school the students are introduced to challenges proposed by partner companies. An introduction to the underlying technical issues is provided together with information about innovation and business. Teams are formed around the best ideas presented in a fast pitching session. The teams consolidate those ideas and start to explore not just the technical feasibility but also the potential and practical issues in terms of market, business, technology. The initial idea is then gradually developed into a business concept that can either be entrepreneurial (e.g. creation of a new start-up) or might expand the business of the proposing company. Mentoring by the companies (to eliminate the technical flaw) and by entrepreneurs/experts in business and innovation (to ensure feasibility from a business point of view) will be constant and will be necessary to prepare the teams for a final 7-minute pitch of their idea in front of the companies and of a panel including technical, innovation and entrepreneurial experts.

## EIT DIGITAL SUMMER SCHOOL ON DIGITAL CITIES AS INFRASTRUCTURES FOR SMART MOBILITY

Eligible students	UniTrento and external students/business people
Academic background	Computer Science, Information Engineering
Duration and ECTS	2 weeks
Period	From 13 to 27 July 2019
Language	English
Extra activities	Companies site visits
Social activities	Welcome and farewell dinner
Teaching methodology	Classes and mentorships for final project development
Class size	Up to 70 participants
Application deadlines	Mid-June (check online for updates)
Minimum requirements	English knowledge (B2 level)
Selection criteria	Scientific and work background
Participation cost	Check online for updates and details. Tuition fee, meals and social events are included in the summer school participation fee. Accommodation is not included
Accommodation	Hotel double room shared / single room (for non-resident students)
Web	<a href="https://www.eitdigital.eu/eit-digital-academy/summer-schools/">https://www.eitdigital.eu/eit-digital-academy/summer-schools/</a>
Location	EIT Digital   Trento Node Via Sommarive 18 - 38123 Trento (TN) Italy
Academic Coordinator	Prof. Massimo Donelli
Contacts	Email: <a href="mailto:massimo.donelli@unitn.it">massimo.donelli@unitn.it</a> Elena Bortolotti (local organizer) Email: <a href="mailto:elena.bortolotti@unitn.it">elena.bortolotti@unitn.it</a>

Smart mobility techniques will be presented at a ready-to-apply level to give the participants all knowledge needed to organize, optimize and allow a smart organization of the urban mobility, which aims at identifying the needs of urban population moving in a digital city for all purposes connected to its family, work and entertainment life.



## WINTER SCHOOL ON PHYSICS OF THE CELL

Eligible students	Senior Undergraduate and Graduate students
Academic background	Physics, Chemistry, Biology, Mathematics, or interdisciplinary courses including at least one of the former among the constitutive disciplines
Duration and ECTS	2 weeks, 6 ECTS (+ 2 ECTS for optional extra work)
Period	From 19 January to 1 February 2020
Language	English
Format	12 theoretical lectures (10 in the morning, 2 in the afternoon) and 7 hands-on sessions in the afternoon
Extra activities	One afternoon will be devoted to a group visit to the Science Museum - MUSE
Social activities	Social dinner
Teaching methodology	Scientists working at the frontier of these focus topics will lecture on the broad picture of the field as well as on the fundamental aspects of the specific methodologies employed in their research. Subsequently, hands-on sessions will give the students the chance to learn and apply methods, programs and software currently used for research by their instructors/developers
Class size	Up to 25 international students
Application deadlines	30 September 2019
Minimum requirements	English knowledge (B2 level)
Selection criteria	For students coming from partner universities: nomination by home universities. For external students: selection by UniTrento on the basis of the English level, CV and motivation letter
Participation cost	450 € for students from partner institutions 1.000 € for external students Tuition fee, meals and accommodation are included
Accommodation	San Bartolameo Campus (10 minutes ride by bus, 5 minutes by bike from the city centre). Bikes available on request
Web	<a href="https://international.unitn.it/winter-school-physics-cell">https://international.unitn.it/winter-school-physics-cell</a>
Location	UniTrento, Polo Franco Ferrari Povo 1
Academic Coordinators	Prof. Gianluca Lattanzi, Dr. Raffaello Potestio
Contacts	International Relations Division Email: <a href="mailto:international@unitn.it">international@unitn.it</a>

The aim of this school is to provide the flavor of the typical problems one faces in the computer-aided investigation of biological systems, as well as an overview of the most common and effective instruments employed to this end. Students will be exposed to lectures focusing on specific aspects of biophysics, held by researchers actively working on them in top international institutions; subsequently, they will receive training in the usage of the software programs implementing algorithms and methods for the investigation of biological matter, from single atoms to proteins, small DNA strands, entire chromosomes, cellular membranes, to multicellular tissues.





## **Contacts**

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