

OST

Eastern Switzerland
University of Applied Sciences



Study in Switzerland –
Study at OST

**Make the
mOST of it!**



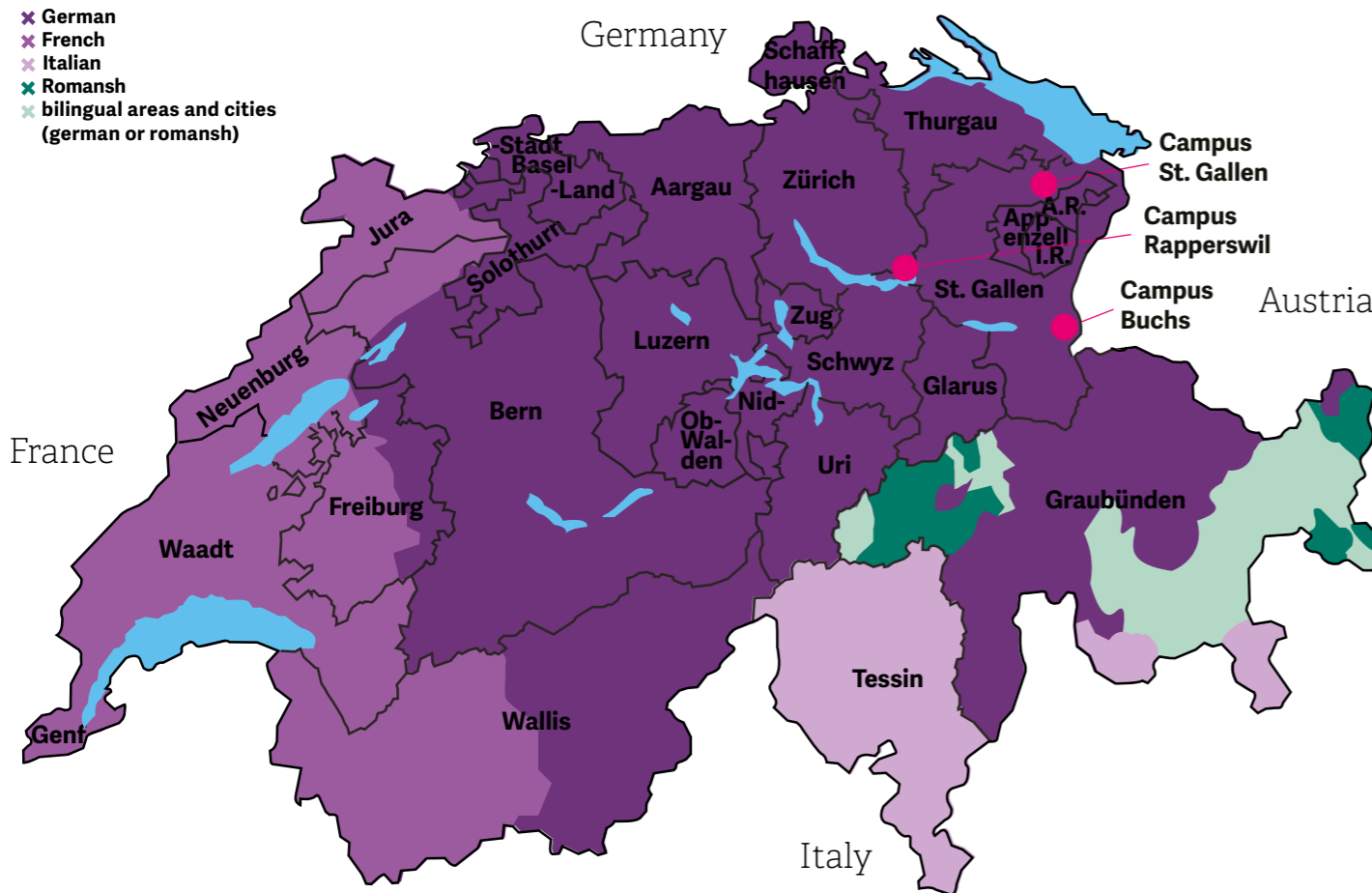
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Switzerland

Who we are



Work Consensus Correctness
 Pragmatism Harmony
 Reliability Perfection
 Organisation Safety
 Punctuality Quality
 Excellence Performance

Facts & Figures

- Switzerland has four national languages: German (65%), French (18%), Italian (12%), Romansh (1%), other (4%). English is widely spoken and used as a language of business, higher education and research
- 8.7 million inhabitants
- Not part of the European Union (EU)
- Member of the Schengen Association Agreement since 2008, free movement of people, goods, capital and services
- Direct Democracy
- High quality of life and good infrastructure (public transportation)
- Temperate climate, diverse landscapes

Global Innovation Index 2020

«Switzerland ranks 1st among the 131 economies featured in the Global Innovation Index 2020»

Source: Global Innovation Index Database, Cornell, INSEAD, and WIPO, 2020



#1 in Knowledge Creation

Switzerland – Factors of Economic Success

- Economy based on services (e.g. banking, insurances) & manufacturing sector (e.g. pharmaceuticals)
- Political stability, no opposition, «magic formula»
- Financial stability, strong currency
- Outstanding educational system, the so-called «dual system»

Global Innovation Index Ranking 2020

| Rank | Country/Economy |
|------|--------------------------|
| 1. | Switzerland |
| 2. | Sweden |
| 3. | United States of America |
| 4. | United Kingdom |
| 5. | Netherlands |
| 6. | Denmark |
| 7. | Finland |
| 8. | Singapore |
| 9. | Germany |
| 10. | Republic of Korea |
| 11. | Hong Kong, China |
| 12. | France |
| 13. | Israel |
| 14. | China |
| 15. | Ireland |
| 16. | Japan |
| 17. | Canada |
| 18. | Luxemburg |
| 19. | Austria |
| 20. | Norway |

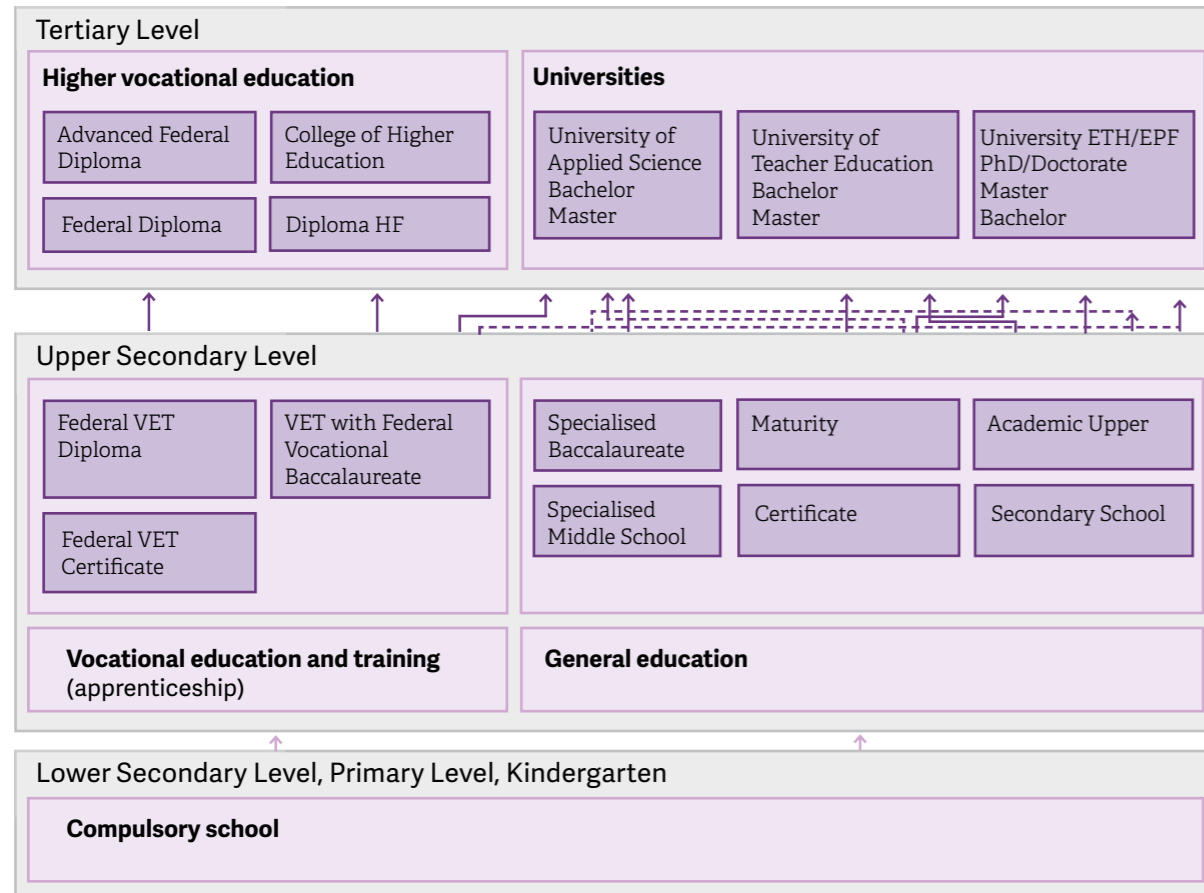
Global Competitiveness Index 4.0 Ranking 2019

| Rank | Country/Economy | Value (0-100) |
|------|-----------------|---------------|
| 1. | Singapore | 84.8 |
| 2. | United States | 83.7 |
| 3. | Hong Kong SAR | 83.1 |
| 4. | Netherlands | 82.4 |
| 5. | Switzerland | 82.3 |
| 6. | Japan | 82.3 |
| 7. | Germany | 81.8 |
| 8. | Sweden | 81.2 |
| 9. | United Kingdom | 81.2 |
| 10. | Denmark | 81.2 |

Education System and University Life

Things to do in Switzerland

Switzerland Education System



University Life

- Average tuition fees at Swiss public universities: CHF 500 – CHF 1'000 per semester
- Average budget of CHF 1'400 – 2'100 per month to pay for accommodation, food, transportation, supplies and leisure activities
- university: students are expected to have and defend, and if necessary, also revise their opinions – a prominent feature of a direct democracy. Lecturers will not simply tell students what to think; rather, they will expect them to develop a problem-based and critical approach. Interactive teaching is highly valued in Swiss faculties

«Switzerland is famous the world over for many things: Heidi, banking, cows, cheese, chocolate, you name it. While some are more fictional than others, let's fill you in on some particular facts.»

Fondue, Wintersports, Swimming/Lakes, Hiking, Rhine Falls, Winetasting, City Trips, Openair Festivals



- Democracy: In Switzerland citizens can challenge any law passed by Parliament – provided they can gather 50,000 signatures against the law within 100 days. If successful, a national vote is held and voters decide by a simple majority whether to accept or reject the law. Swiss citizens also vote on constitutional amendments or in referenda several times a year. For instance, Swiss voters rejected by 66.5 per cent a proposal to give themselves one additional week of annual leave in a national referendum in 2012. Swiss citizens can vote two to four times a year at national level and even more at cantonal and local level.
- There are four national languages: German, French, Italian and Romansh, although English is increasingly popular. Every child in Switzerland has to learn at least two national languages as well as English. Our universities of teacher education are heavily investing in language teacher didactics.
- Switzerland is not all mountains, as in the south you will easily find palm trees in the canton of Ticino. How to get there? Since 2017, Switzerland has been able to boast the longest tunnel in the world as an engineering masterpiece. The Gotthard tunnel measures 57 km in length and runs 2.3 km under the Alps. It took 17 years to build. The masterpiece was constructed with the expertise of Swiss universities.
- Still care for a hike? There are more than 4,400 mountains over 2,000 m high, 24 of them over 4,000 m. The highest is – not the Matterhorn – the Monte Rosa (Dufourspitze) at 4,634 m, situated on the Swiss/Italian border. Epic landscapes are frequently used as locations for the Indian Bollywood filming industry. Around 800 Bollywood films are shot in Switzerland each year, more than in any other country outside India.
- Switzerland's climate is not really only about snow and ice – cold, snowy winters come and go, but you will find that temperatures can exceed 30–35°C in the Swiss plateau in summer.
- You most probably would not be here reading this if it were not for CERN, the world's largest particle physics laboratory, based in Geneva. Tim Berners-Lee invented the World Wide Web there in 1989.
- Switzerland is the «water tower» of Europe. It has more than 1,500 lakes, and you are never more than 16 km from a lake within the country's borders. Water is by far the most common energy source. But not only with hydro-electric dams. For instance, the premises of the Swiss National Supercomputing Centre in Ticino are cooled using water from Lake Lugano, while the waters of Lake Geneva are used by the Federal Institute of Technology in Lausanne, the grid in Geneva, and several companies along the UNESCO World Heritage lake shore.

Source: <https://www.studyinswitzerland.plus/facts-figures/>

OST – Eastern Switzerland University of Applied Sciences Facts & Figures

«OST is one of Switzerland's leaders in applied research and development. Attractive campuses, a diverse range of excellent degree programs in technology and the social sciences, and exceptional connections to business as well as social and health institutions make it an ideal exchange destination.»



Approx. **4000** students in the Bachelor and Master programs



practice-oriented



Approx. **1000** lecturers and professors



Approx. **250** executive education courses



6 Schools

Approx. **1600** students in the executive education courses



35 research institutes and centers

1000 ongoing research projects

«I am surprised how friendly the professors are. They support students and encourage them to learn for themselves and take different positions.»

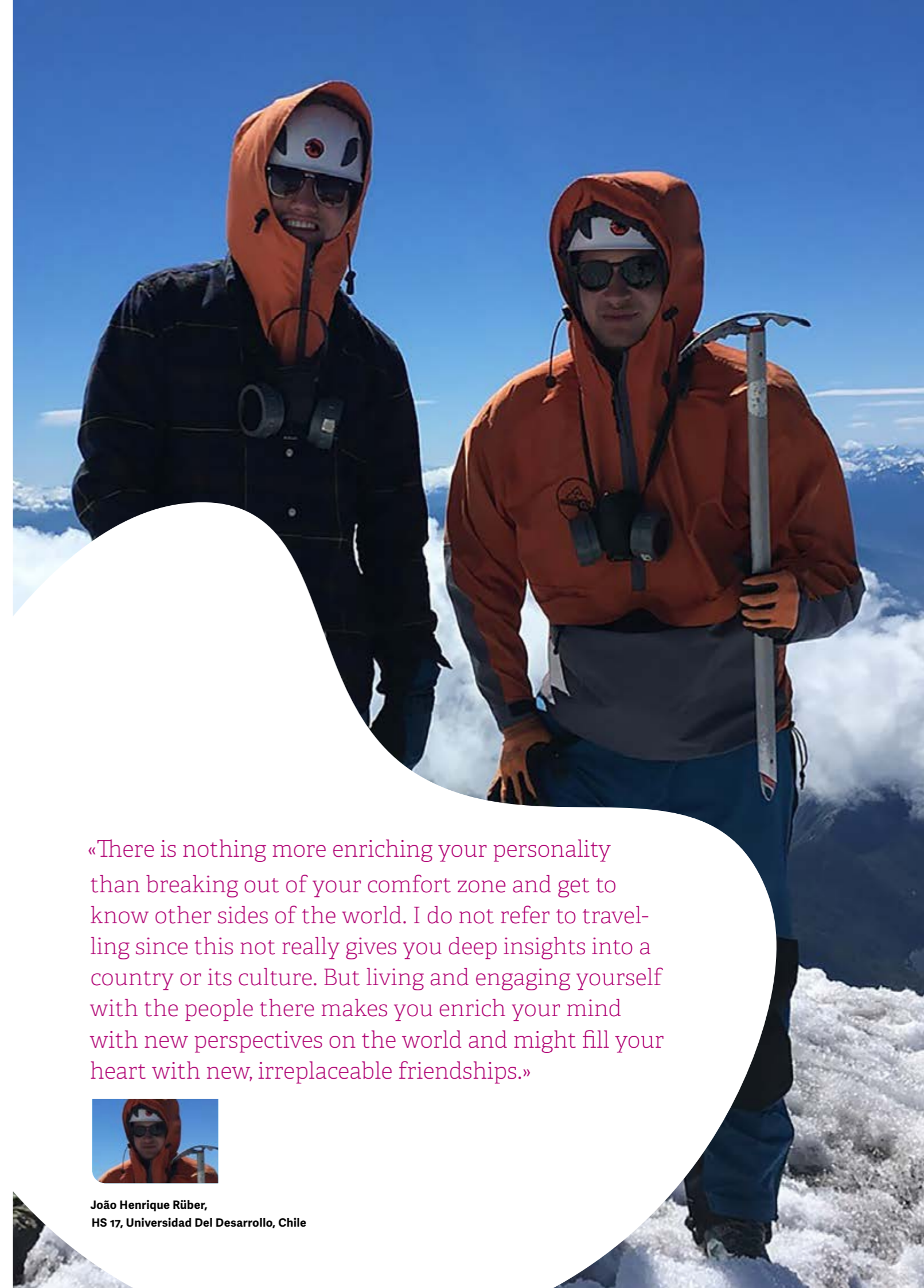
Arjin Bingöl,
Middle East Technical University in Ankara

OST – Bachelor's Programs

Degree Programs

| Bachelor's Programs | | | | | |
|--|------------------|--|--|--|------------------|
| Technical Sciences | Computer Science | Architecture, Civil Engineering, Landscape Arch., Spatial Planning | Business Administration <small>EFQM & FIBAA accredited in AACSB accreditation process</small> | Social Work | Health Sciences |
| Electrical & Computer Engineering | | Civil Engineering | Business Administration | | Nursing |
| Mechanical Engineering | | Architecture | Business Information Technology | | Physical Therapy |
| Industrial Engineering | | Landscape Architecture | Management and Law | | |
| Renewable Energies and Environmental Engineering | | Urban, Transport and Spatial Planning | | | |
| Systems Engineering | | | | | |
| | | | | Department of Interdisciplinary Work <ul style="list-style-type: none"> • Artificial Intelligence (university-wide research focus) • Communication & Intercultural Competence | |

| Master's Programs | | | | |
|--|---------------------------------|--|-------------|--|
| Master of Science in Engineering (MSE) | Business Information Technology | Business Administration | Social Work | Nursing Science |
| MSE Business Engineering | MSE Civil Engineering | Specialisation: Corporate/Business Development | | Focus: Advanced nursing practice for people with chronic health problems |
| MSE Computer Science | MSE Data Science | | | |
| MSE Electrical Engineering | MSE Energy and Environment | | | |
| MSE Mechanical Engineering | MSE Mechatronics and Automation | | | |
| MSE Medical Engineering | MSE Photonics | | | |
| MSE Spatial Development and Landscape Architecture | | | | |



«There is nothing more enriching your personality than breaking out of your comfort zone and get to know other sides of the world. I do not refer to traveling since this not really gives you deep insights into a country or its culture. But living and engaging yourself with the people there makes you enrich your mind with new perspectives on the world and might fill your heart with new, irreplaceable friendships.»



João Henrique Rüber,
HS 17, Universidad Del Desarrollo, Chile

Research Institutes

Research at OST

Technology

- Institute for Communication Systems
- Institut für Mikroelektronik und Embedded Systems (German)
- Institute for Energy Technology
- Institute for Solar Technology
- Institute for Environmental and Process Engineering
- Institut für Wissen, Energie und Rohstoffe Zug (German)
- Institute for Lab Animation and Mechatronics
- Institut für Produktdesign, Entwicklung und Konstruktion (German)
- Institut für Werkstofftechnik und Kunststoffverarbeitung (German)
- Institute for the Development of Mechatronic Systems (German)
- Institute for Electronics, Sensorics and Actorics (German)
- Institute for Computational Engineering
- Institute for Energy Systems
- Institut für Ingenieurinformatik (German)
- Institute for Microtechnique and Photonics
- Institute of Innovation, Design and Engineering
- Institute of Modelling and Simulation

Computer Science

- Institute for Software
- Institute for Networked Solutions (German)

Management

- Institute for Information and Process Management
- Institute of Quality Management and Business Administration
- Institute for Business Management
- Knowledge Transfer Unit

Architecture, Civil Engineering, Landscape Design & Spatial Planning

- Institute for Architecture
- Institut für Bau und Umwelt (German)
- Institute for Landscape and Open Space
- Institut für Raumentwicklung (German)

Social Work

- Institute of Social Work and Social Spaces
- Zentrum für Ethik und Nachhaltigkeit (German)
- Institut für Soziale Arbeit im Lebensverlauf (German)

Health Sciences

- Institute of Applied Nursing Sciences
- Kompetenzzentrum für Active Assisted Living (German)

Interdisciplinary Issues

- Interdisciplinary Center for Artificial Intelligence
- Institute for Gender and Diversity
- HR-Panel New Work Zentrum für Gemeinden (German)
- Institute for Ageing Research
- Institute für Kommunikation und Interkulturelle Kompetenz
- Zentrum für Gemeinden (German)
- Zentrum für Hochschulbildung (German)



Research Award 2020

High-tech wheelchair from Rapperswil wins gold
Great triumph at the cybathlon: The School of Engineering in Rapperswil wins gold in the competition for assistive equipment for people with physical disabilities.

Selected Research Projects

Institute for Aging Research

Affective factors of robot acceptance in people aged over 60

The project aims to assess which affective reactions people aged 60+ have towards robots in care and service situations. The assessed emotions can be taken into account in the further development of robots for the older adults.

ost.ch/robot

Institute for Electronics, Sensorics and Astorics

Photonic: Security Smart Tag Reader

The U-NICA Group is a leading provider of innovative security solutions to protect branded products and valuable documents against counterfeiting. In order to detect the multitude of security features of U-NICA as well as those generally used in the market, a prototype was created in the course of the project, which is able to recognize them and check their authenticity.

ost.ch/photonik

Institute for Information and Process Management

Mobility Choices - «Nudges» for sustainable mobility

The project developed an app that allows people to indicate their preferences (e.g. less greenhouse gas emissions) and, based on these preferences, to suggest transport modes and routes. In addition, an analysis tool was developed that enables evidence-based urban and transport planning.

ost.ch/mobility-choices



Robotics wheelchair team from OST wins Gold at Cybathlon 2020 Global Edition

OST Campuses

Rapperswil

OST Campus Rapperswil has many labs and additional infrastructure for 1,600 students and 600 staff as well as its offices and seminar rooms.

Several lounges and the library provide plenty of room for private study and for R&R during breaks. Awaiting you at the Rapperswil-Jona campus of Eastern Switzerland University of Applied Sciences is a modern infrastructure in a prime location right on Lake Zurich and next to Rapperswil train station.

- Try our wide range of sports activities, or make new friends in one of the two student residences. Views of the lake and mountains from the cafeteria make every meal a special experience.
- The Rapperswil-Jona campus has a few more features up its sleeve. You can use 3D printers for your projects or borrow all kinds of devices, from a thermal imaging camera to smartwatches, from the gadget library.
- Rapperswil Campus has a student residence with some rooms reserved for exchange students.



OST Campuses

St.Gallen

The city of St.Gallen lies between the Lake Constance and the imposing backdrop of the Alpstein massif. It is a city of education: During the semester, over 10,000 students live in the city.

St.Gallen is characterised by a wide range of cultural activities, from theatre and museums to concert venues and festivals. St.Gallen is part of a region with an extensive range of leisure activities. The shores of the nearby Lake Constance attract visitors with outdoor swimming pools and water sports facilities. The rural surroundings of St.Gallen are a popular hiking and cycling area in the summer and a popular skiing area in winter. Embedded between pre-Alpine hills in Eastern Switzerland, the city of St Gallen has the rare distinction of being on the border of four countries. The marquee attraction in the city is the Abbey of St Gallen, a World Heritage Site revealing more than 1,300 years of history.

The campus is located right next to the train station. Students, lecturers and staff benefit from good public transport links, state-of-the-art infrastructure and an urban environment right on nature's doorstep. A strong focus on quality and innovation, combined with personal support for students and a dynamic university culture, make the St.Gallen campus a place where great things are both encouraged and created.

The university does not have its own student residence at this campuses. Students rent rooms St Gallen or in a nearby town or village. Depending on whether you prefer a flatshare or your own apartment, accommodation is likely to cost CHF 500 or more.



OST Campuses

Buchs

Study in the heart of the Rhine Valley. Nestled in a magnificent landscape with mountains as far as the eye can see. To the left and right of the Rhine, ideas flow and world-renowned companies develop innovative products.

The St.Gallen Rhine Valley. A valley of opportunity and a place to study, live and work. Numerous industrial partners have been using the know-how of sought-after experts and the infrastructure of the OST School of Technology in Buchs for many years. The Buchs campus has the only certified heat pump test center in Switzerland as well as laboratories for production measurement technology.

The university does not have its own student residence at this campuses. Students rent rooms Buchs or in a nearby town or village. Depending on whether you prefer a flatshare or your own apartment, accommodation is likely to cost CHF 500 or more.



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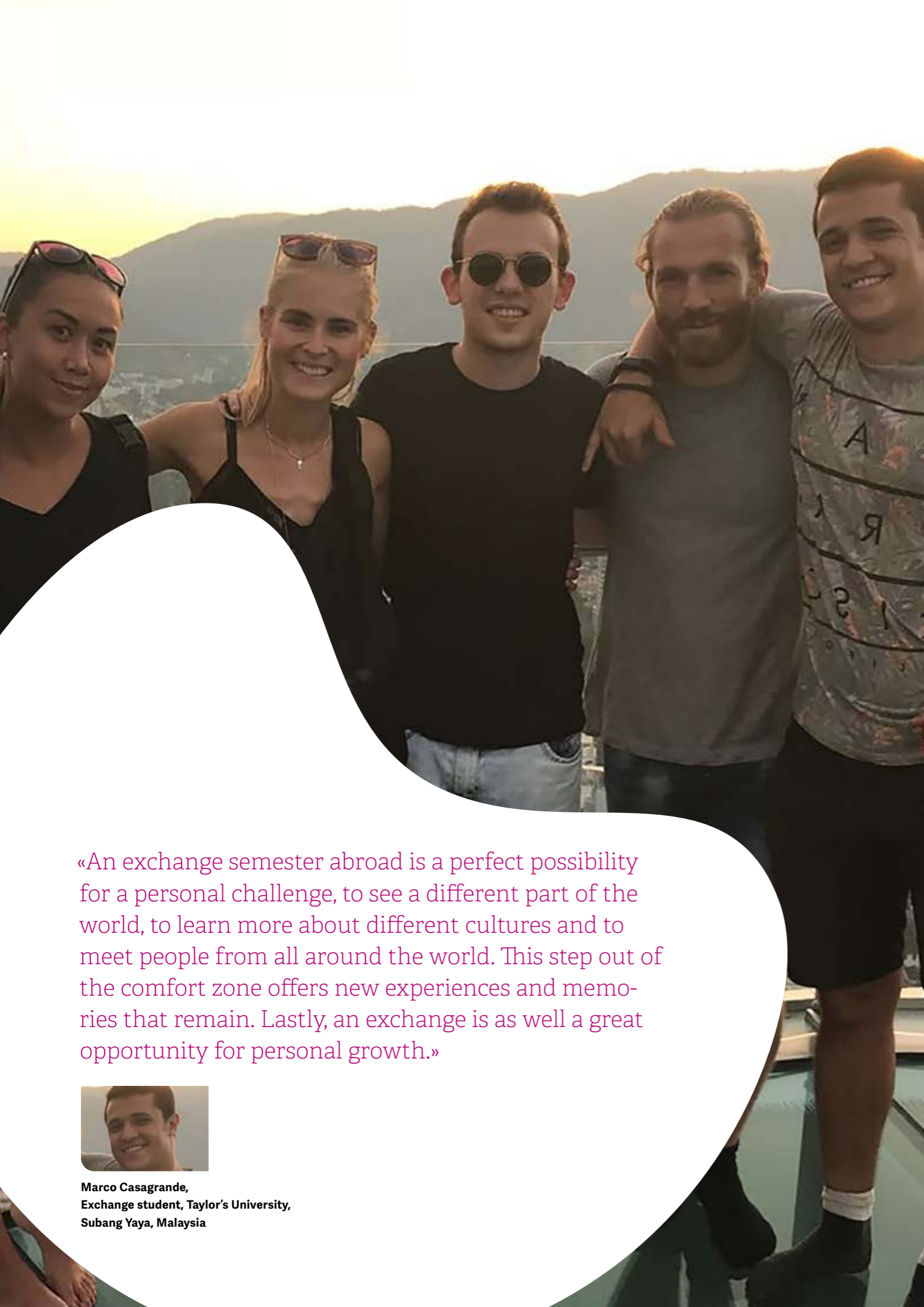
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«An exchange semester abroad is a perfect possibility for a personal challenge, to see a different part of the world, to learn more about different cultures and to meet people from all around the world. This step out of the comfort zone offers new experiences and memories that remain. Lastly, an exchange is as well a great opportunity for personal growth.»



Marco Casagrande,
Exchange student, Taylor's University,
Subang Yaya, Malaysia

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