

Welcome to the Lucerne University of Applied Sciences and Arts

School of Computer Science and Information Technology

Experiencing a digital culture

Dr. Murali Krishna Penmetsa

Head of Global Recruitment



Agenda

01	Switzerland	
02	Lucerne University of Applied Sciences and Arts	
03	Study program / structures : English	
04	Semesters abroad /Dual or Double degree options	
05	Admission requirements	
06	Cost of studies	
07	Admission process	
08	Housing	



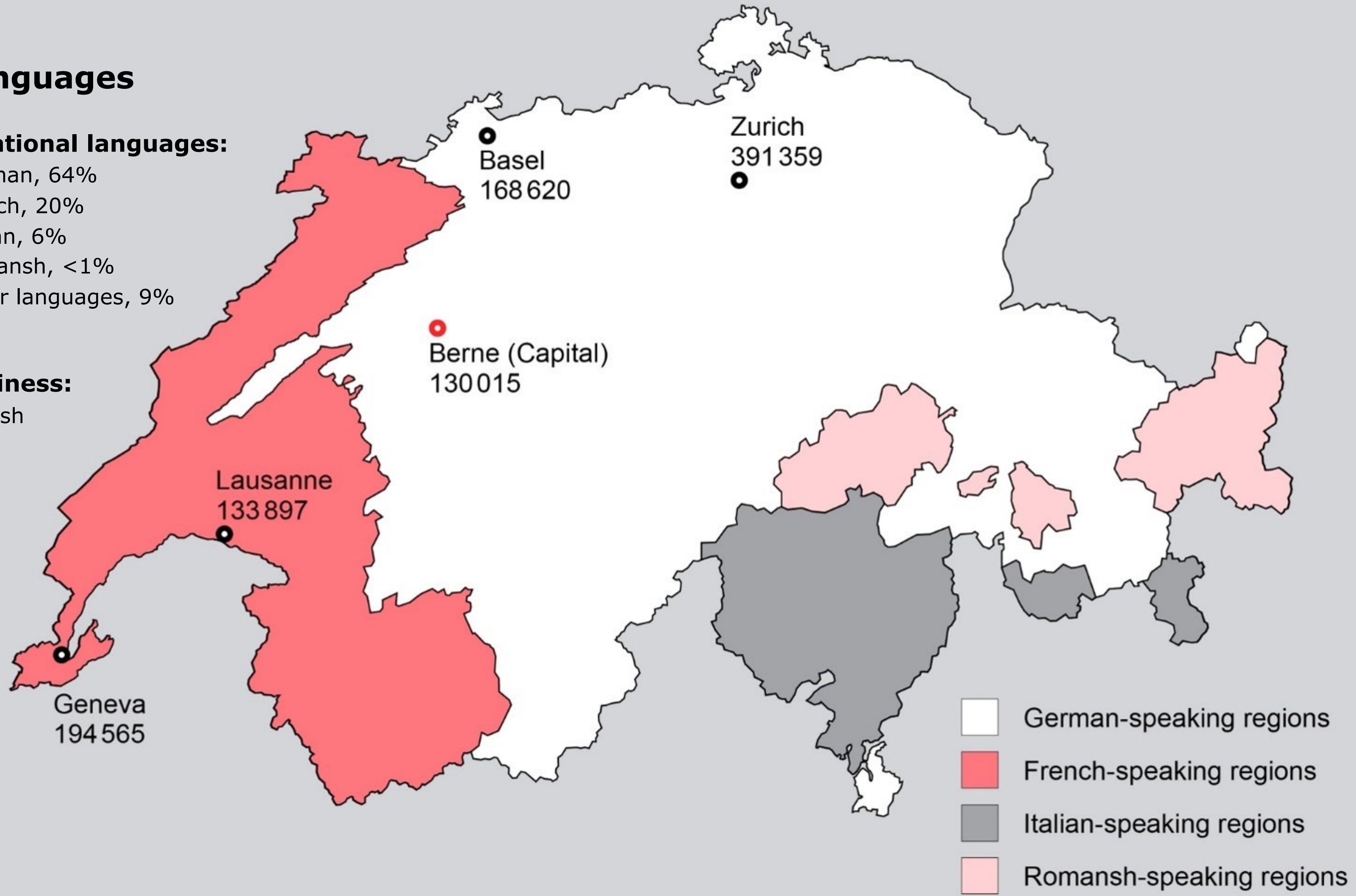
Languages

4 national languages:

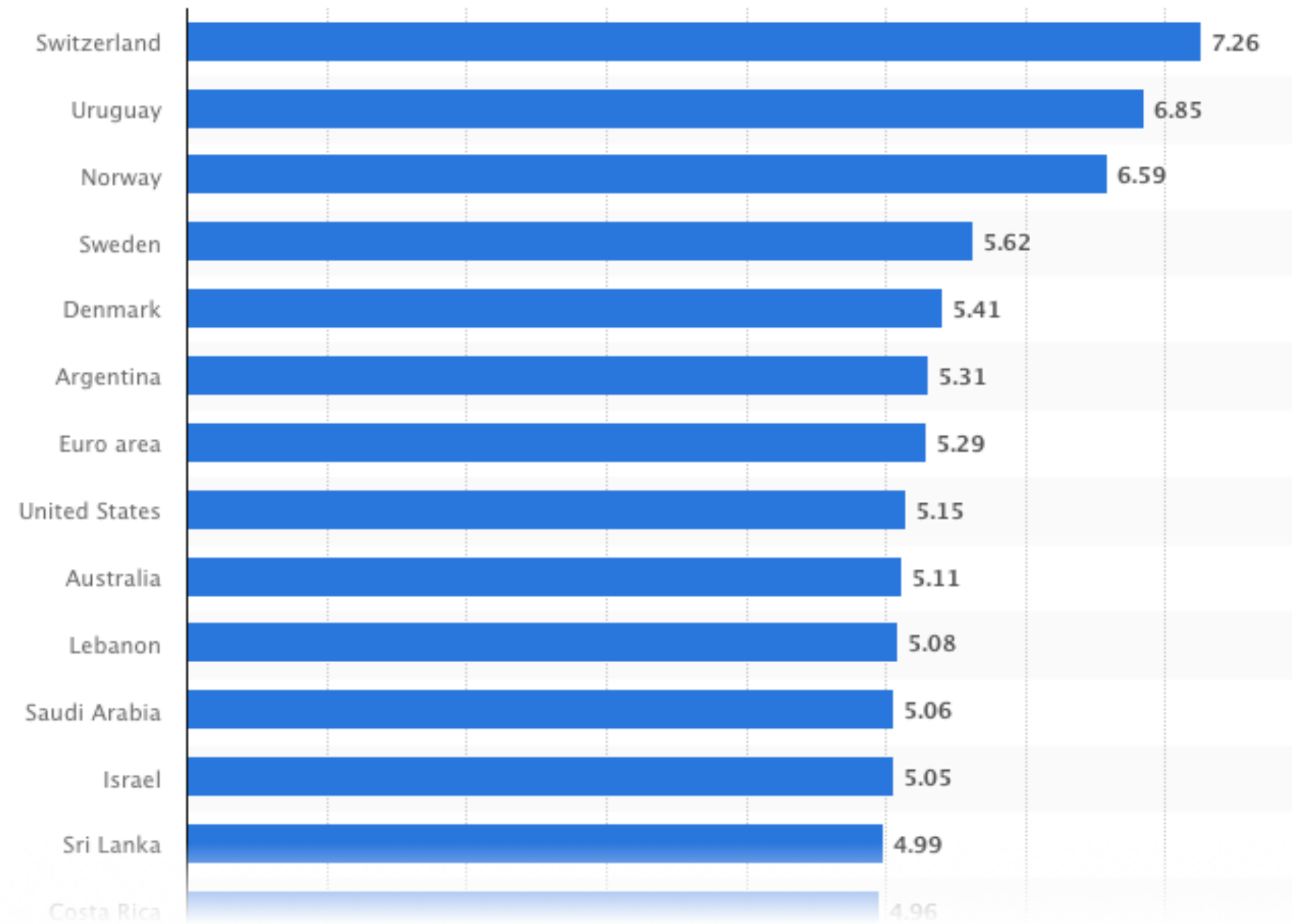
- German, 64%
- French, 20%
- Italian, 6%
- Romansh, <1%
- Other languages, 9%

Business:

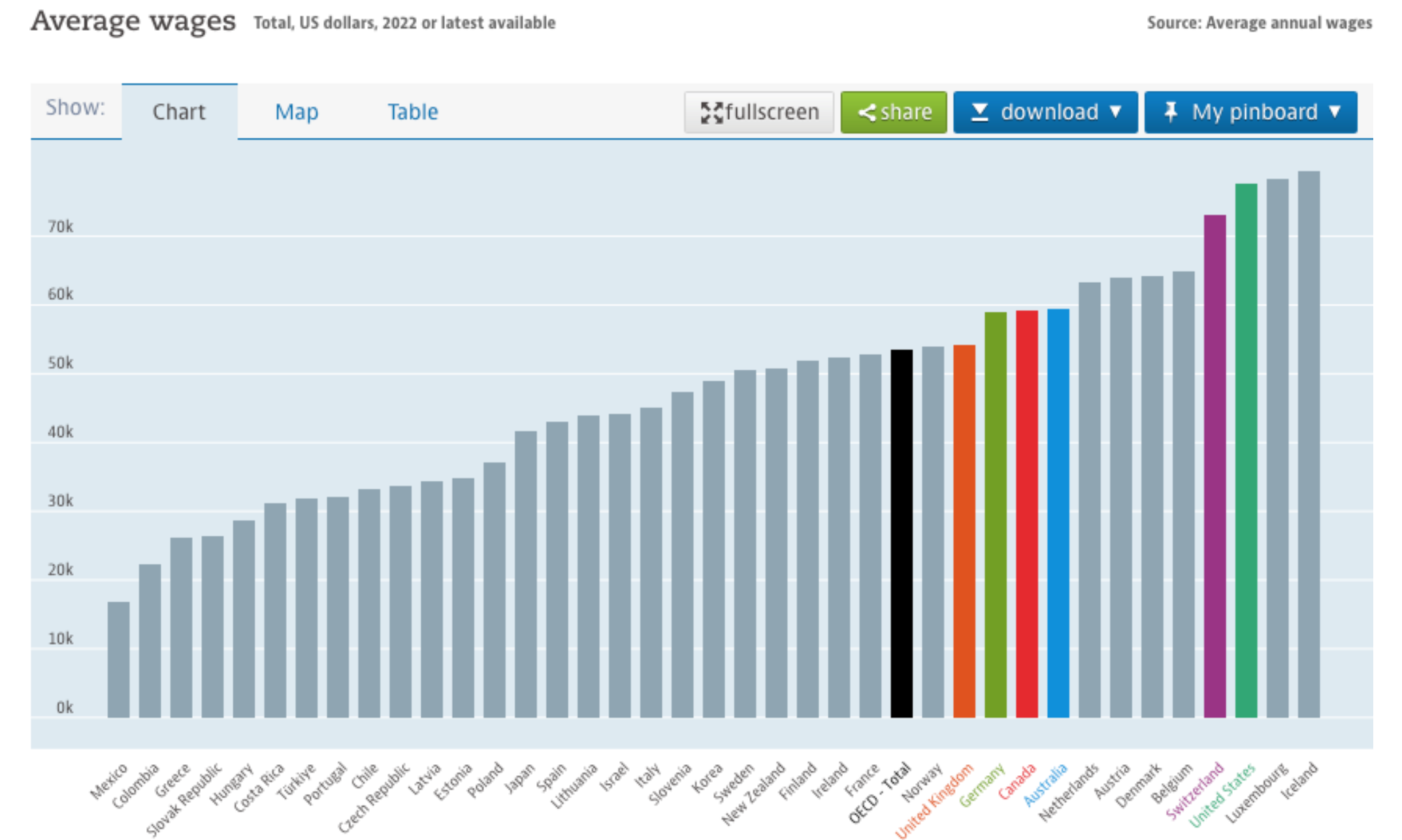
English



Big Mac Index 2023: Global Price of 1 Big Mac in USD



Highest salaries globally : Where does Switzerland stands ?



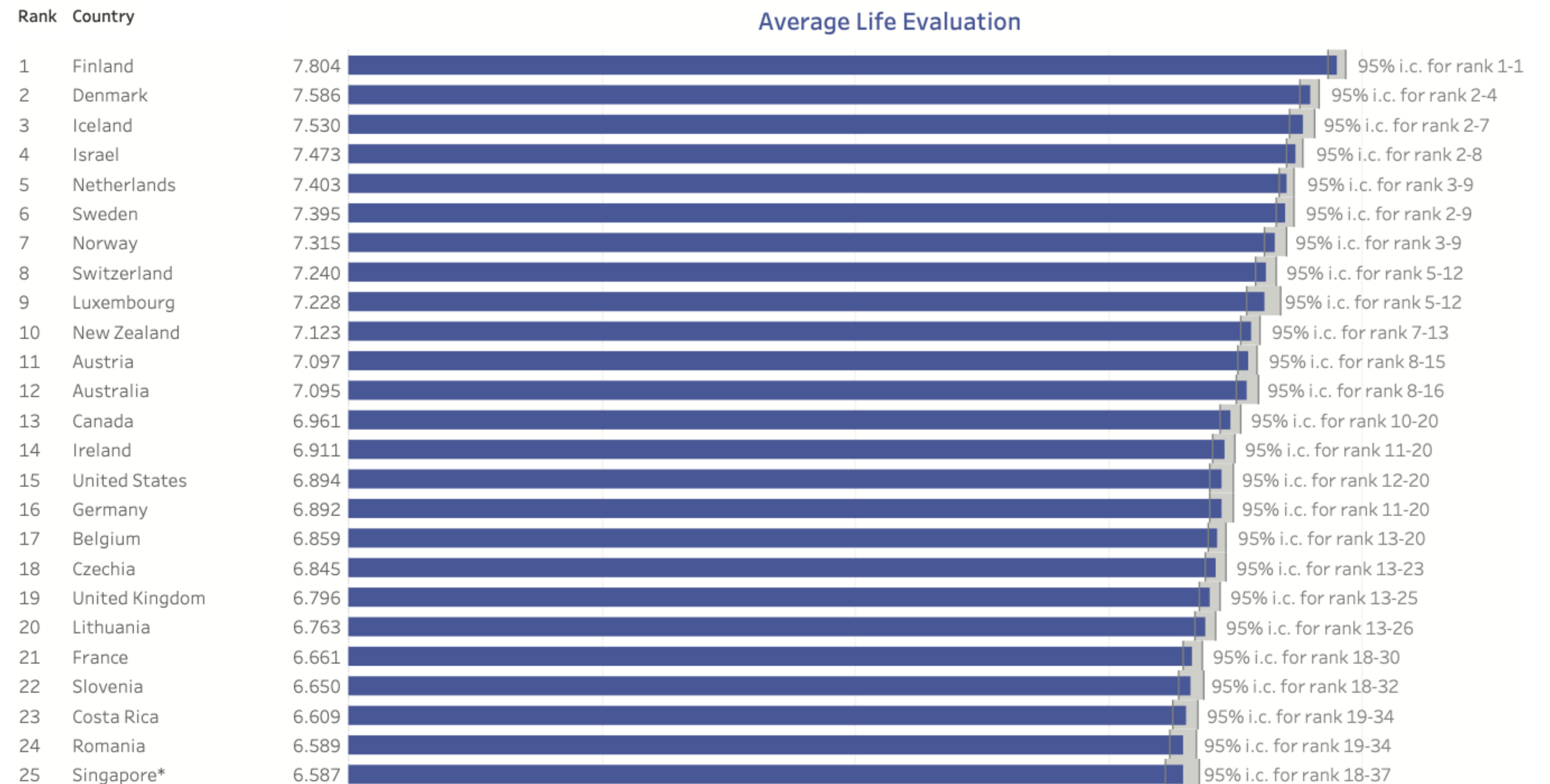
Source: OECD 24.07.2023

Global Innovation Index 2022

Source: <https://www.wipo.int/edocs/pubdocs/en/wipo-pub-2000-2022-en-main-report-global-innovation-index-2022-15th-edition.pdf>
(24.07.2023)

GII rank	Economy	Score	Income group rank
1	Switzerland	64.6	1
2	United States	61.8	2
3	Sweden	61.6	3
4	United Kingdom	59.7	4
5	Netherlands	58.0	5
6	Republic of Korea	57.8	6
7	Singapore	57.3	7
8	Germany	57.2	8
9	Finland	56.9	9
10	Denmark	55.9	10
11	China	55.3	1
12	France	55.0	11
13	Japan	53.6	12
14	Hong Kong, China	51.8	13
15	Canada	50.8	14
16	Israel	50.2	15
17	Austria	50.2	16
18	Estonia	50.2	17
19	Luxembourg	49.8	18
20	Iceland	49.5	19
21	Malta	49.2	20
22	Norway	48.8	21
23	Ireland	48.5	22
24	New Zealand	47.2	23
25	Australia	47.1	24
26	Belgium	46.9	25
27	Cyprus	46.2	26
28	Italy	46.1	27
29	Spain	44.6	28
30	Czech Republic	42.8	29

Global Happiness Index 2020-2022



Source: <https://happiness-report.s3.amazonaws.com/2023/WHR+23.pdf>
(24.07.2023)

High-profile

The Swiss university education landscape



ten universities

two ETHs

(Federal Institutes of Technology)



eight public universities of applied sciences

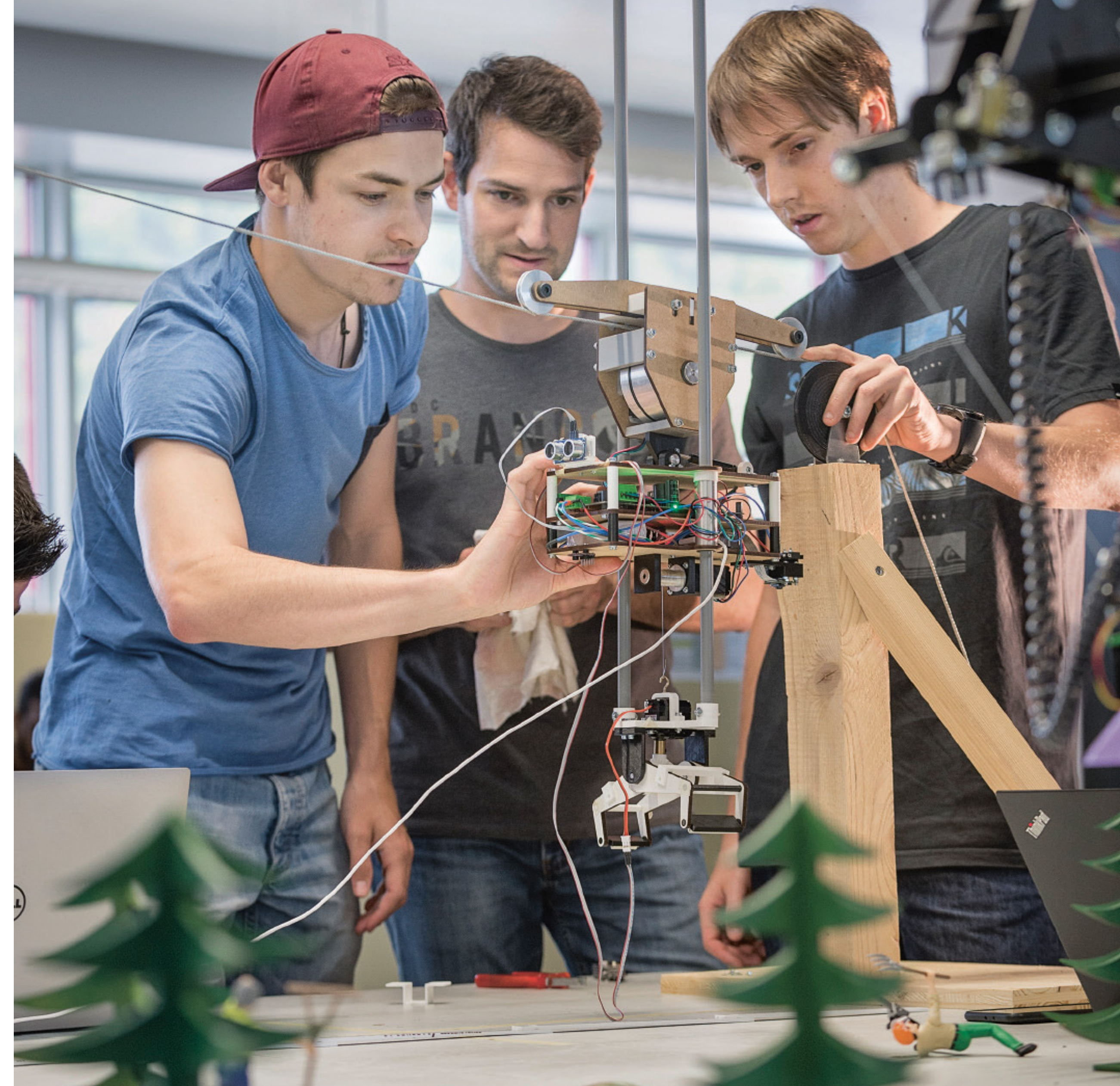
one private university of applied sciences



270,475 students

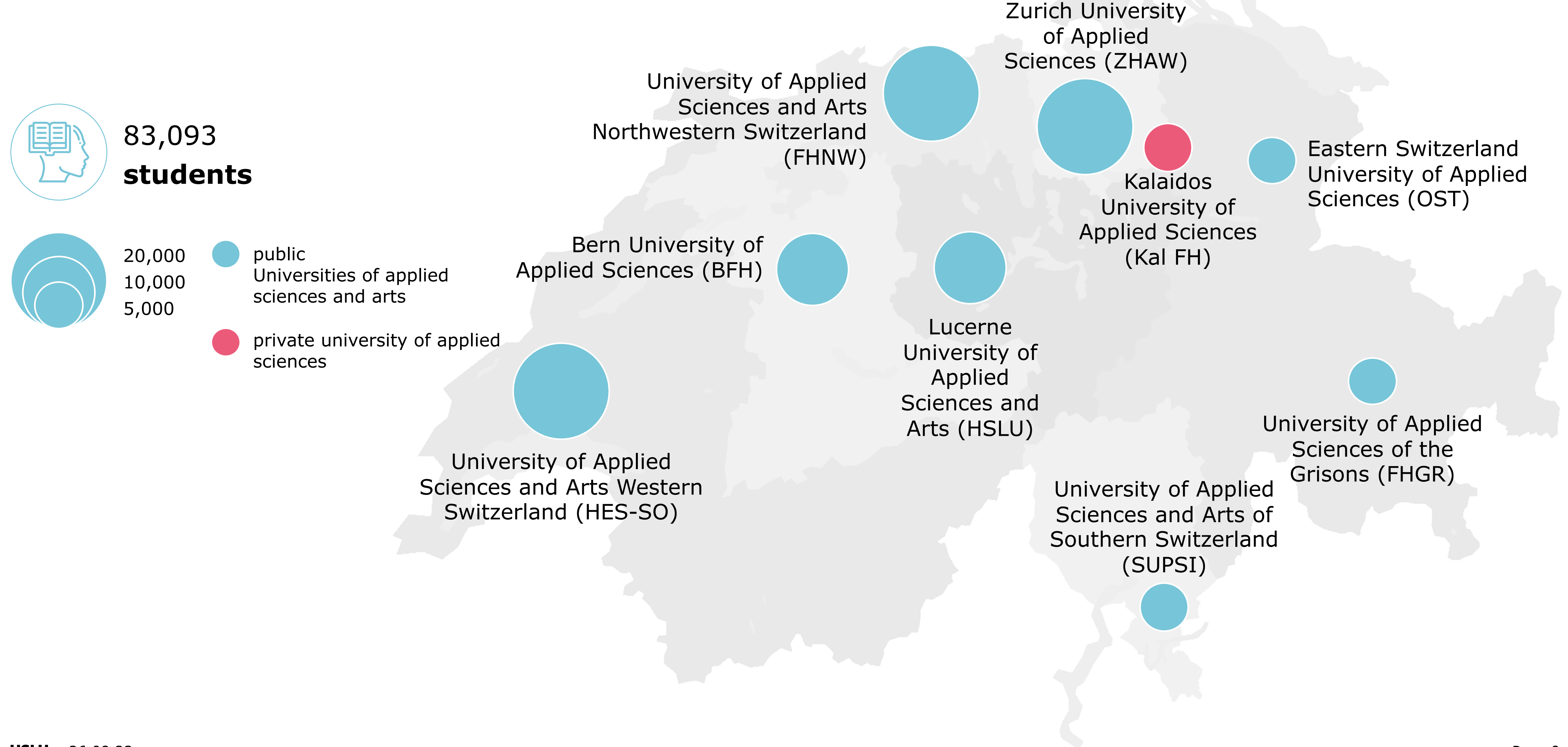
about a third of whom study at a Swiss university of applied sciences

as of 2021



Swiss universities of applied sciences

Diagram of the universities of applied sciences in comparison



Studying with a practical focus

in the heart of Switzerland

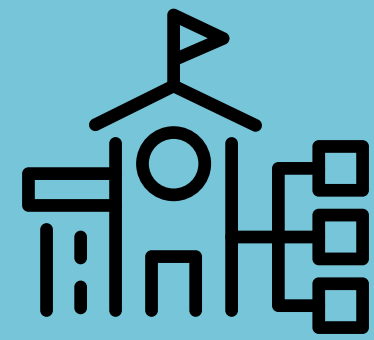


2020

Facts and figures

6

Schools



1,903

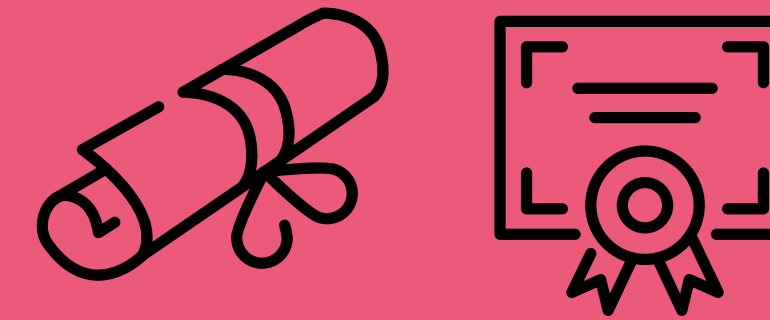
employees

of whom 816 are
lecturers



39

bachelor's programs

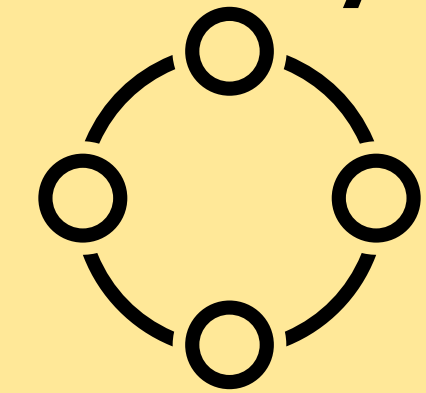


16

master's programs

4

areas of mandated
activity



257

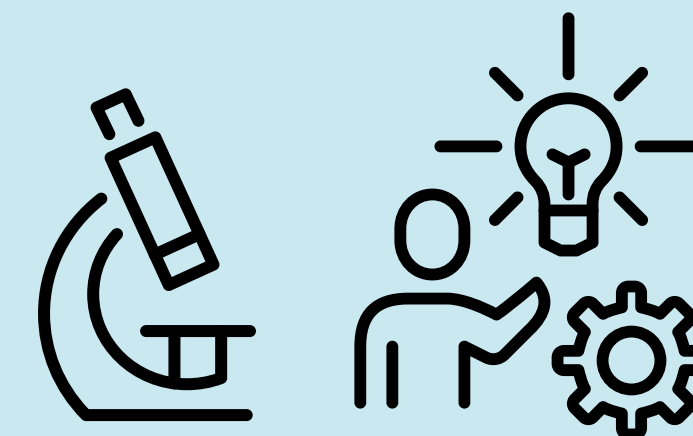
MAS, DAS, CAS
programs

(post-graduate courses)



378

projects launched in the field of
research and development



Education, continuing
and executive education,
research and
development, services

The six Schools of the Lucerne University of Applied Sciences and Arts



Engineering and Architecture

since
1958



Social Work

since
1918



Business

since
1971



Art and Design

since
1877



**Computer Science and
Information Technology**

since
2016



Music

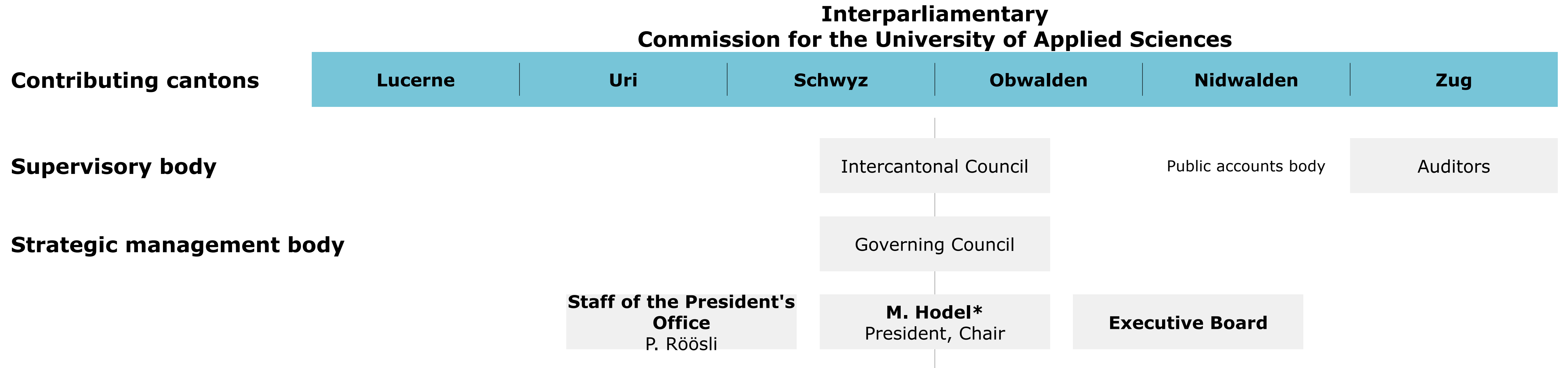
since
1942

Broadly supported

Six cantons—one university



Structure



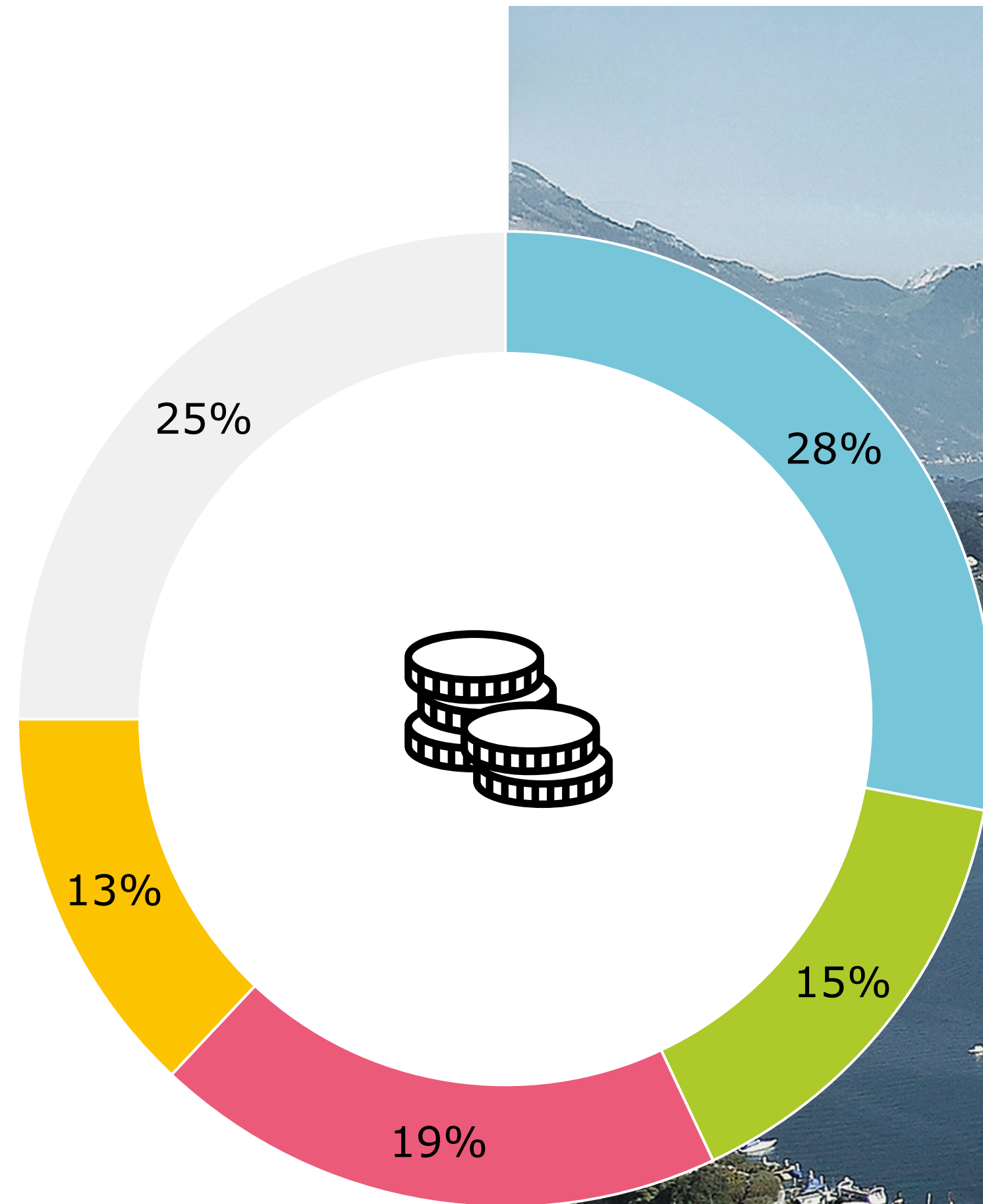
V. Sigrist* Dean	C. Böckelmann* Dean	R. Hüsler* Dean	D. Guggisberg* Dean	J. Holzer* Dean	V. Gloor* Dean	A. Kallmann* Dean of Finance and Services	C. Gisi** Head	A. Eichholzer** Head
School of Engineering and Architecture	School of Business	School of Computer Science and Information Technology	School of Social Work	School of Art and Design	School of Music	Finances and Services	Marketing and Communication	University Development and Services
Standing Committee on Research and Development	Standing Committee on Continuing and Executive Education	President's Office Vice President	Standing Committee on Education	International	Interdisciplinarity			

* Member of the Executive Board ** Non-voting member of the Executive Board

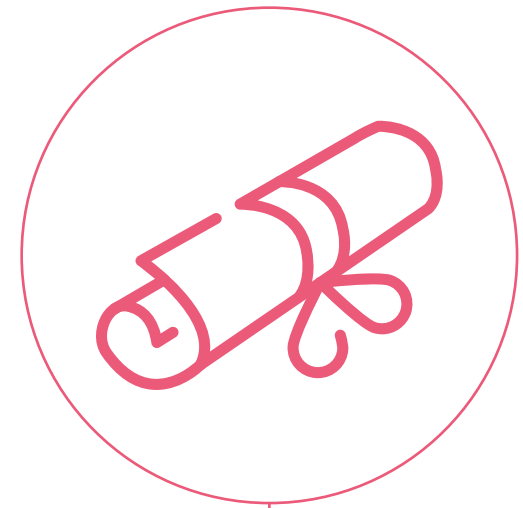
Fundingng

The federal government and the cantons play a key role

- Federal government
- Agreement funding by contr. cantons
- Agreement funding by other cantons
- Residual funding by contr. cantons
- Third parties



Programs



Bachelor's

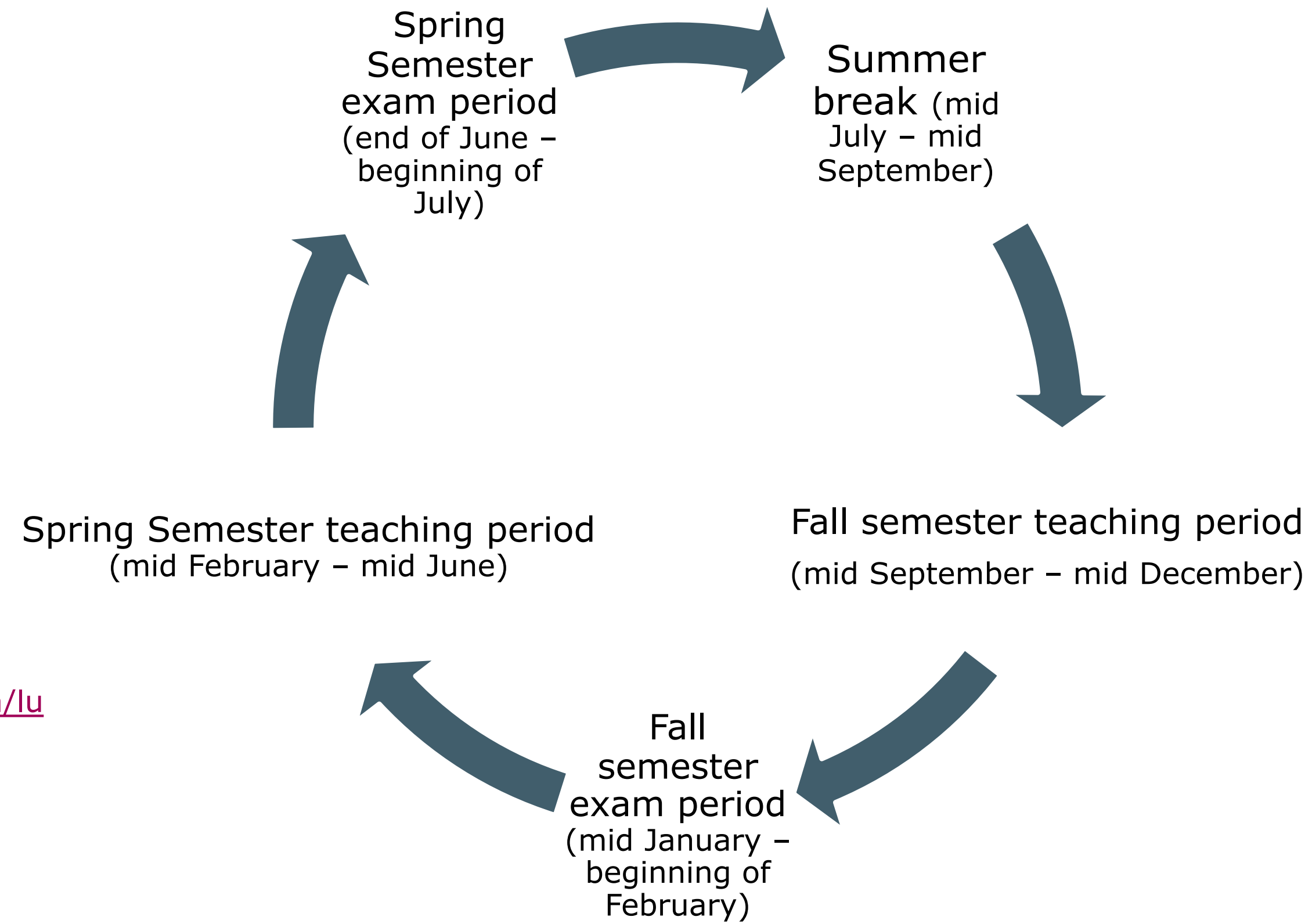
- Artificial Intelligence and Machine Learning
- Digital Ideation
- Computer Science and Information Technology
- Information and Cyber Security
- **International IT Management**
- Business Information Technology
- Mobility, Data Science and Economics
(enrollment via School of Business)



Master's

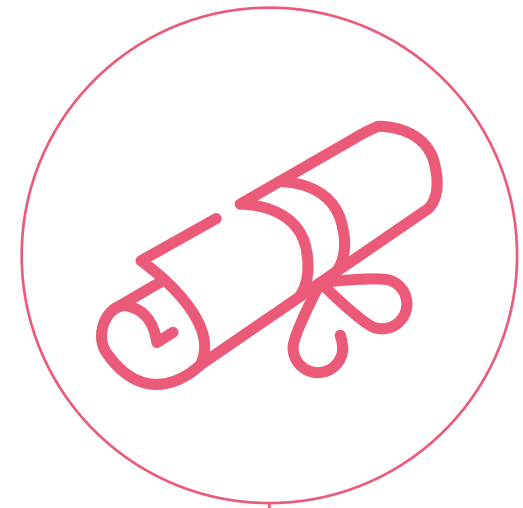
- Engineering
- Business Information Technology
- Digital Ideation (enrollment via School of Art and Design)
- Media and IT Teaching and Learning Methods
(enrollment via Schwyz University of Teacher Education)
- **Information Technologies, Digitalization and Sustainability**
- Music and Digital Creation
(enrollment via School of Music)

Academic year



Academic Calendar:
<https://www.hslu.ch/en/luerne-school-of-information-technology/degree-programs/termine-studienjahr/>
Hochschule Luzern

Bachelor's



International IT Management

- **Time model**
 - Full-time / part-time
- **Commencement of studies**
 - September
- **Place of study**
 - Rotkreuz
- **Majors**
 - Engineering, Business
- **Semester abroad**
 - third and sixth semester



The vision of the Bachelor's program



- Digitalization is a global process that will change the world of tomorrow permanently.
- In order to master this challenge, specialists are needed who, in addition to technical and management competencies, also have international and intercultural experience.
- The vision of the BSc International IT Management is to create a challenging course of studies in which the international is lived and experienced and which optimally prepares graduates for the digital world of tomorrow.
- Our graduates have a high level of professional competence in the fields of computer science, project and process management, communication, strategic management, international law and business administration.
- And they are able to successfully carry out complex digitalization projects in internationally composed teams of experts.

Opportunities after successful graduation



Master's degree

- MSc in Engineering (Notice: Admission requirement is Major Technology)
- MSc in Business Information Technology
- MSc in IT, Digitalization & Sustainability (1st Start Fall 2022)
- MSc in Business Administration



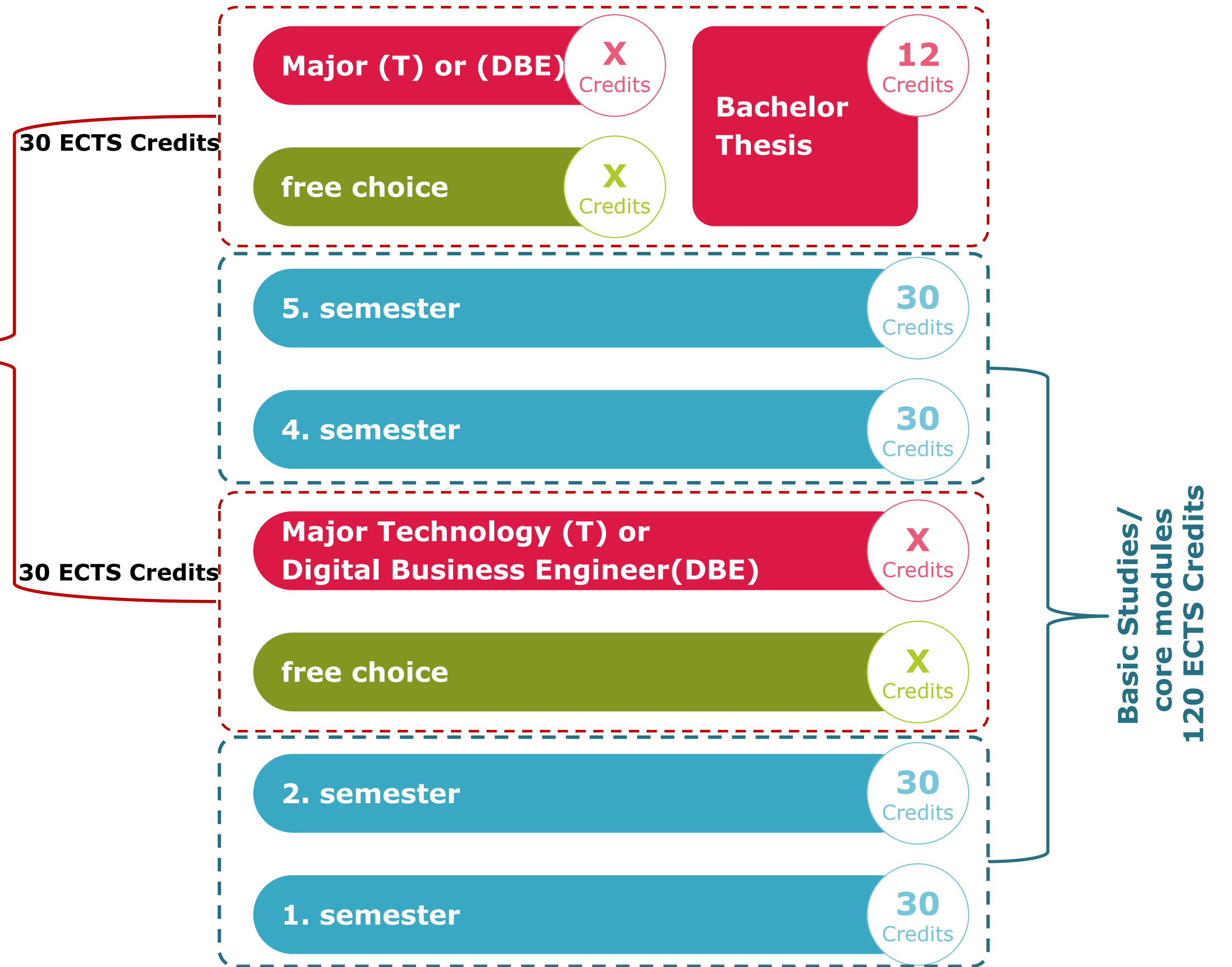
The International IT Management degree **enables you to work** in various areas and functions in a national or international environment, for example:

- IT Project Coordinator
- IT Project Manager
- Business Analyst
- Digital Marketing Manager
- Software Development/Engineering
- System Administration, Operation, Maintenance
- IT Solution Architect/Engineer
- IT Consultant and more



Structure of Program I: Overview time model full-time

Deepening/Specialization
(in total 60 Credits)
of which at least 36 credits (12 credits Bachelor's thesis, and 24 credits in courses) must be chosen in the field of the major, the remaining 24 credits are at the student's free disposal (=> «free choice»)



Structure of Program II: Overview Majors

During the semester abroad you will focus on the Major Technology or Digital Business Engineer and thus set professional priorities for the future career entry. In the two semesters abroad, you choose a total of 36 credits in the consolidation of the desired major. The following table shows possible areas

Major Technology

The specialization takes place in the technical area. Depending on your interests, you can, for example, deepen the following areas:

- Artificial Intelligence
- Big Data
- Blockchain
- Information & Cyber Security
- Software Development/Engineering
- Virtual Reality and more

Major Digital Business Engineer

The specialization takes place in the economic field. Depending on your preference, you can, for example, deepen the following areas:

- Entrepreneurship
- Digital Transformation
- IoT
- Cloud Computing
- Digital Business Models
- Industry 4.0 and more

Structure of the program III: Details time model full-time

6. Semester	Semester abroad «Asia» (Modules depend on the major chosen and on the modules offered at the partner university)							18	Bachelor Diploma Thesis 12
5. Semester	Finance & Investments 3		Ethics in the Digital World 3	Sustainable Digital Transformation 3	Artificial Intelligence 6	Blockchain 3	Business Intelligence 3	Academic Methods 3	Intercultural Project 6
4. Semester	International Management Accounting 3	Strategic Management 3	Applied Mathematics 3		ERP Applications 3	Software Engineering 3	Information Security 6	Internet of Things 3	Digital Technology 6
3. Semester	Semester abroad «Western World» (Modules depend on the major chosen and on the modules offered at the partner university)								30
2. Semester	Leadership & HR 3	International Affairs Economics 3	Anglo-Saxon Culture, Politics & History 3	Applied Statistics 2 3	Advanced English Diploma Course II 3	Business Software Development 3	Web- & Communication Technologies 3	Data Management 3	Information Technology 6
1. Semester	Business & Supply Chain Management 3	International Financial Accounting 3	International Law 3	Applied Statistics 1 3	Advanced English Diploma Course I 3	Programming Fundamentals 6	Computer & Network Architecture 3	Project Management Professional Communication & Teamwork 6	
HSLU	Management & Law			General Skills		Computer Science		Projects & Project Management	

Full time / 1. Semester Fall 2023

- AEDC1** Advanced English Diploma Course I
- ASTA1** Applied Statistics 1
- BSCMA** Business & Supply Chain Management
- CONWB** Computer & Network Basics
- INTAC** International Financial Accounting
- INTLA** International Law
- PMPCT** Project Management Professional Communication & Teamwork
- PROFU** Programming Fundamentals

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
09:05 - 11:25	I.BA_PMPCT.19 Full-time S1 Part-time S1	I.BA_AEDC1.19 Full-time S1 Part-time S1	I.BA_BSCMA.19 Full-time S1 Part-time S3			08:30 - 10:50
12:50 - 15:10	I.BA_ASTA1.19 Full-time S1 Part-time S1	I.BA_PROFU.19_1 Full-time S1/Part-time S1 I.BA_CONWB.19_2 Full-time S1/Part-time S1	I.BA_INTAC.19 Full-time S1 Part-time S3			11:10 - 13:30
15:30 - 17:50	I.BA_PROFU.19_1 Full-time S1/Part-time S1 I.BA_PROFU.19_2 Full-time S1/Part-time S1	I.BA_PROFU.19_2 Full-time S1/Part-time S1 I.BA_CONWB.19_1 Full-time S1/Part-time S1	I.BA_INTLA.19 Full-time S1 Part-time S3			
18:30 - 20:50		I.BA_PMPCT.19 Full-time S1 Part-time S1				

First semester abroad

The first semester abroad will take place during your **3rd semester in the Anglo-Saxon Region**. At the moment there are about ten destinations available, including the following four:

- Dorset College Dublin (*regular fees*)
- London South Bank University (*regular fees*)
- Southern Alberta Institute of Technology (*regular fees*)
- San Jose State University (*special fees*)
- University of the Sunshine Coast (*special fees*)

In addition, students can also suggest a suitable university, we will check it and if it is ok, the students can go there (=freemover option)

The regular student fees for the semesters abroad are currently CHF 2,000, except for certain partners in the USA, Australia and New Zealand where they are much higher.



Second semester abroad

The second semester abroad will take place during your **6th semester in the Asian Region**. There you will also write your bachelor thesis.

At the moment there are about eight destinations available, including the following four (*at the moment all with regular fees*):

- Royal Melbourne Institute of Technology Saigon (Vietnam)
- Seoul National University of Science and Technology (South Korea)
- James Cook University Singapore (Singapore)

also here exists the freemover option



Admission Requirements

You must provide evidence of **English proficiency** corresponding to at least level **B2** of the Common European Framework of Reference, if you are a non-native speaker of English (except: GB, IRL, CAN, USA, AUS, NZL). Such evidence must be available by the end of August at the latest. Academic IELTS / TOEFL are recommended.



You have a

A	professional baccalaureate (technical or business)
B	high school graduation
C	higher secondary education certificate qualifying the holder for studies at university
E	Advanced Federal Diploma of Higher Education/ or equal diploma in Economics, Business Informatics, Computer Science or Technology



Additional requirement

None
one year work experience in the field of business administration or IT
one year work experience in the field of business administration or IT
None

Cost of studies

Semester and administrative fees to university *	Periodicity	Amount (in CHF)
1 st semester	Offer of admission letter	1'095
2 nd semester	Semester start	1'045
3 rd semester	Semester start	2'000
4 th semester	Semester start	1'045
5 th semester	Semester start	1'045
6 th semester	Semester start	2'000
Total cost approx. (without Books/teaching material)	3 years (6 semesters)	8'230
Application fee	During submission of application on website	200

- **A detailed study costs overview : <https://www.hslu.ch/en/lucerne-school-of-information-technology/degree-programs/bachelor/international-it-management/> for semester basic fees, student cards, library fees, examination fees, exchange semester fees, copy and software licenses, and locker fees etc.**

Master's



Information Technologies, Digitalization and Sustainability

- **Time model** – Full time
- **Commencement of studies** – September
- **Place of study** – Rotkreuz
- **Semester abroad** – 2-3 compulsory semesters (dual/double degree)



Philosophy in education:

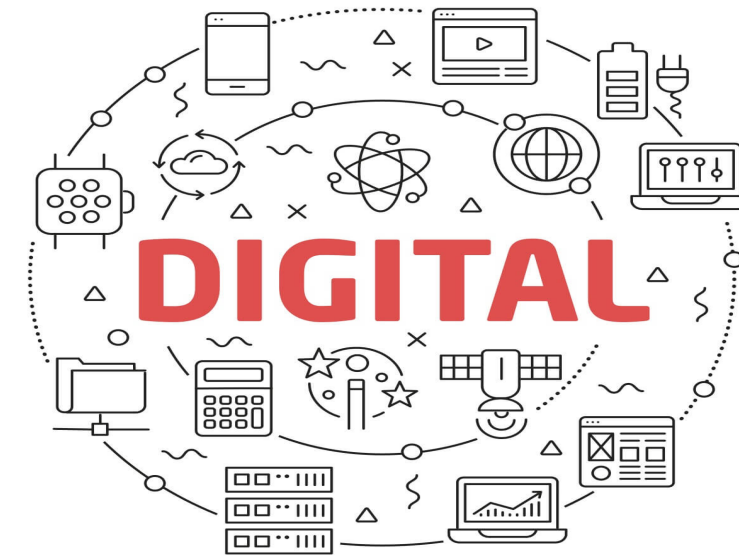
- High level of flexibility:
33% to 50% of the courses in the degree programs can be chosen by the students themselves.
- Breaking new ground:
Developing study programs that are innovative, future-oriented and interdisciplinary and offer our graduates excellent career prospects.
- Computer science is global:
We encourage our students from all degree programs to spend part of their studies abroad. This opens them up to new horizons and perspectives.



The basic, original idea behind the MSc IT, Digitalization & Sustainability



disruptive technologies



digital transformation



sustainable development

- global issues that continue to confront us with major challenges today and in the future
- the need for international cooperation



Intercultural Competences, Management, Leadership & Project Management



Sustainability

7 digital transformation trends

1. Accelerated digital transformation
2. Elevated CIO roles
3. Increased focus on UX and CX
4. Agile workflows
5. Visual collaboration
6. Rise in small business entrepreneurship
7. Ongoing evaluation of tech stacks

Digitalization, Digital Transformation

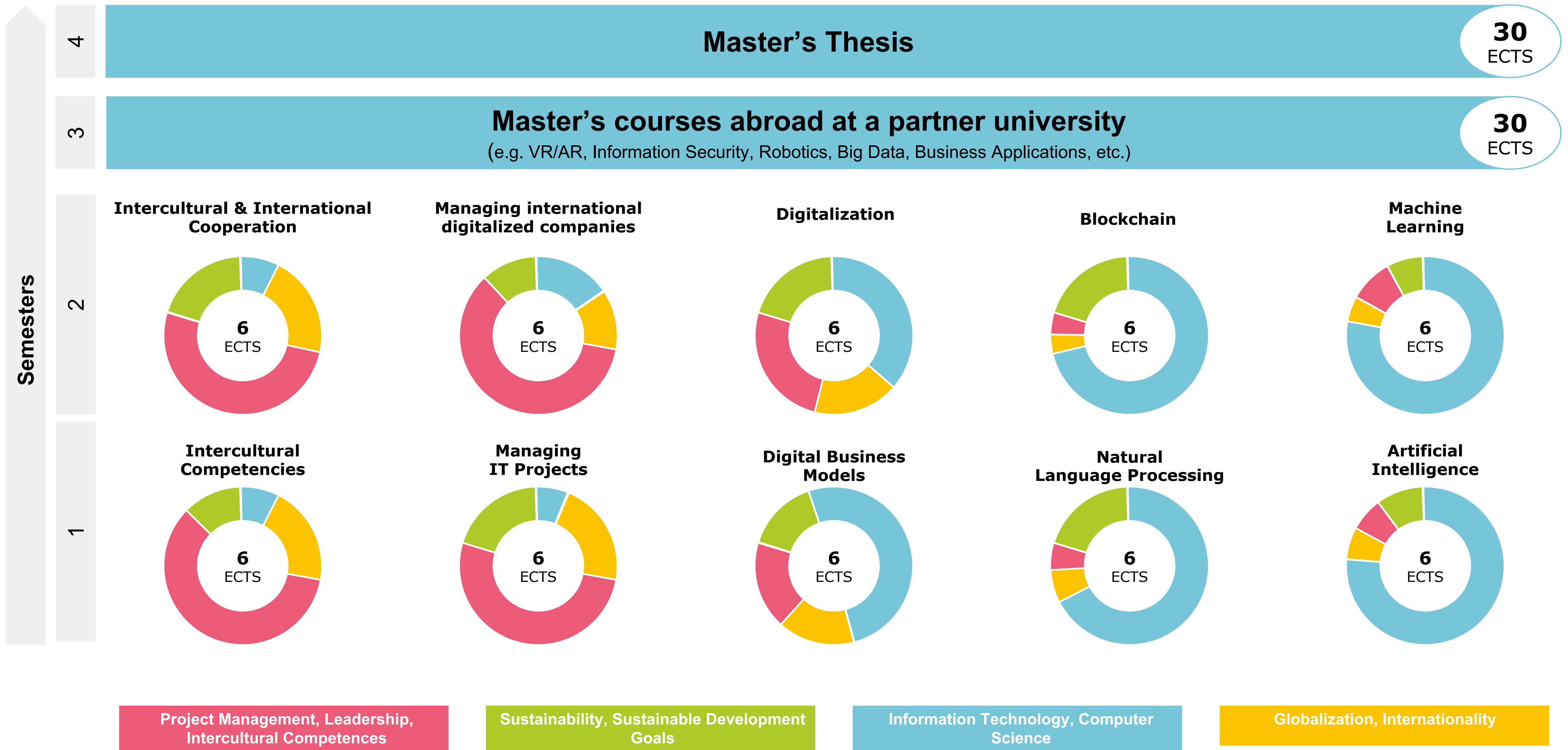


Globalisation



Information Technology
Computer Science

Overview of the structure and modules of the MSc IT, Digitalization & Sustainability



Prospective international partner universities for a Dual/Double degree

✓ FH Technikum Wien, Austria



✓ Østfold University College, Norway



✓ Mid Sweden University, Sweden



✓ Northeastern Illinois University Chicago



✓ Dublin City University, Ireland



Universidade NOVA de Lisboa, Portugal



National Central University, Taiwan



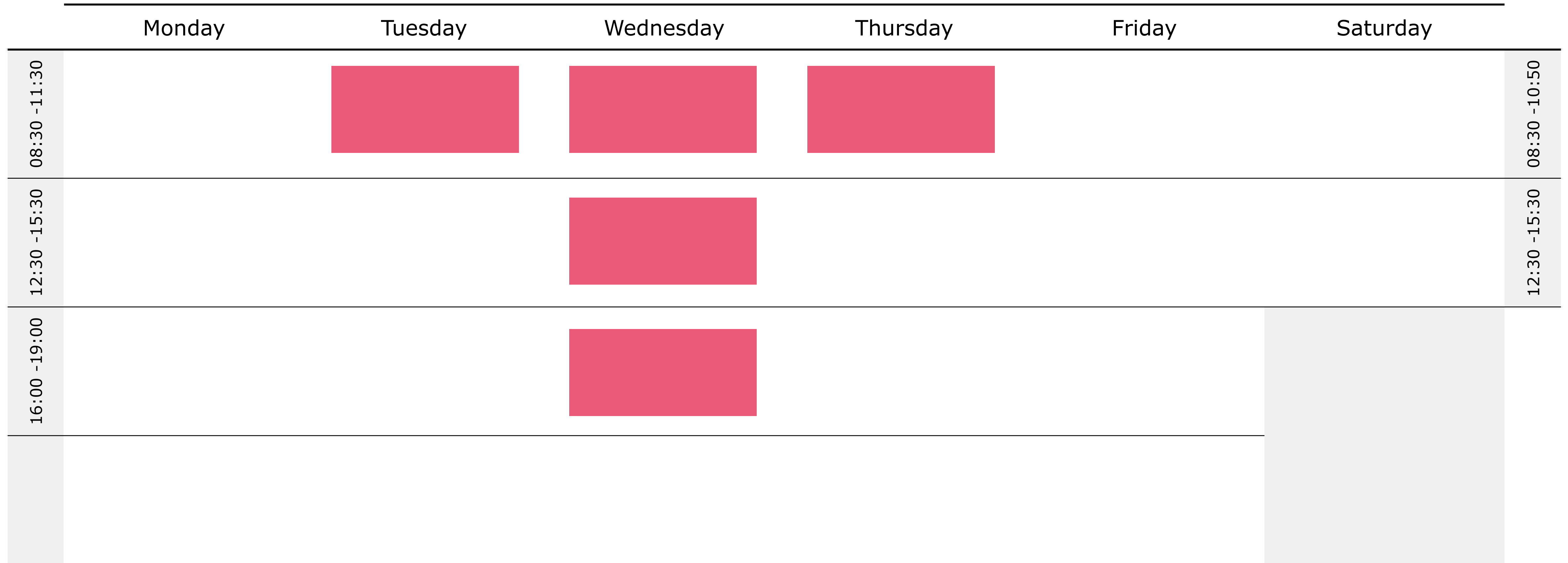
Universidade de Aveiro, Portugal



James Cook University, Australia



Overview of contact teaching, teaching schedule



Admission Requirements

Bachelor`s degree in	Grade (GPA)	Language Skills	Programming skills	Mathematics and statistical skills
<ul style="list-style-type: none">– BSc Information Technology– BSc Computer Science– BSc International IT Management– BSc Business Information Technology– BSc Engineering– other similar bachelor degree programs are possible («sur dossier»)	<ul style="list-style-type: none">– Swiss Students: min. 5.0– International Students: GPA min. 3.3	<ul style="list-style-type: none">– C1 Level in English corresponding to the common European Framework of Reference for Languages– No German language skills needed	<ul style="list-style-type: none">– at least 9 ECTS credits in programming (JAVA; C#; Python) or <ul style="list-style-type: none">– Compulsory preliminary MOOC in programming	<ul style="list-style-type: none">– at least 9 ECTS credits in linear mathematics, statistics or <ul style="list-style-type: none">– Compulsory preliminary MOOC in mathematics, statistics

Cost of studies

Semester and administrative fees to university *	Periodicity	Amount (in CHF)
1 st semester	Offer of admission letter	1'100
2 nd semester	Semester start	1'100
3 rd semester	Semester start	2'500
4 th semester	Semester start	1'100
Total cost approx. (without Books/teaching material)	2 years (4 semesters)	5,800
Application fee	During submission of application on website	200

- **A detailed study costs overview : <https://www.hslu.ch/en/lucerne-school-of-information-technology/degree-programs/master/information-technologies-digitalization-und-sustainability/> for semester basic fees, student cards, library fees, examination fees, exchange semester fees, copy and software licenses, and locker fees etc.**

Living expenses

Cost of your personal expenses in Switzerland *	Periodicity	Amount (in CHF)
Accommodation	monthly	640-720
Groceries	monthly	200 - 400
Public transport	monthly	0
Compulsory health insurance for foreigners	monthly	65 - 180
Total monthly cost approx.	monthly	905 – 1300
Third party liability insurance(Optional)	Yearly	120 – 140

*** The cost is indicative and depends on the life style of the student as well.**

International relations

part of a global network

Growing network of partners

International partner universities (of a continually expanding network) in Europe, Africa, North and South America, Asia and Oceania

International cooperation

Establishment and cultivation of international cooperation in bachelor's and master's programs, in continuing and executive education, and research.

International block study weeks at Rotkreuz

International English-language block study-weeks to which students from our partner universities are being invited.

Networking

Participation in, and organization of, global academic conferences.



Cooperations and memberships



Switzerland Innovation Park Central



Crypto Valley Association (CVA)



Siemens



Roche Diagnostics International



EON Realities



Digital Community association



DLT Education Consortium association



Data Privacy Community association



Cardossier association



Swiss Digital Law Community



Alumni Organization Information Security HSLU



Digital Identity and Data Sovereignty Association



Netclose - SI Specialist Group Networks and Cloud Services

Information for Incoming Exchange Students

Course lists, Academic Calender, Contacts, etc.

ESN Luzern (Erasmus Student Network) is an organisation from local student for international students. They offer a buddy programme, events, and much more.

STAIR is our Student Association from the Lucerne School of Computer Science and Information Technology on our Campus Zug-Rotkreuz.

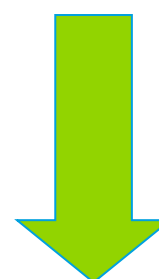
Nomination and admission process

Timelines

Rolling basis...



Three days after nominations are received...



After the first interview round, within one week...

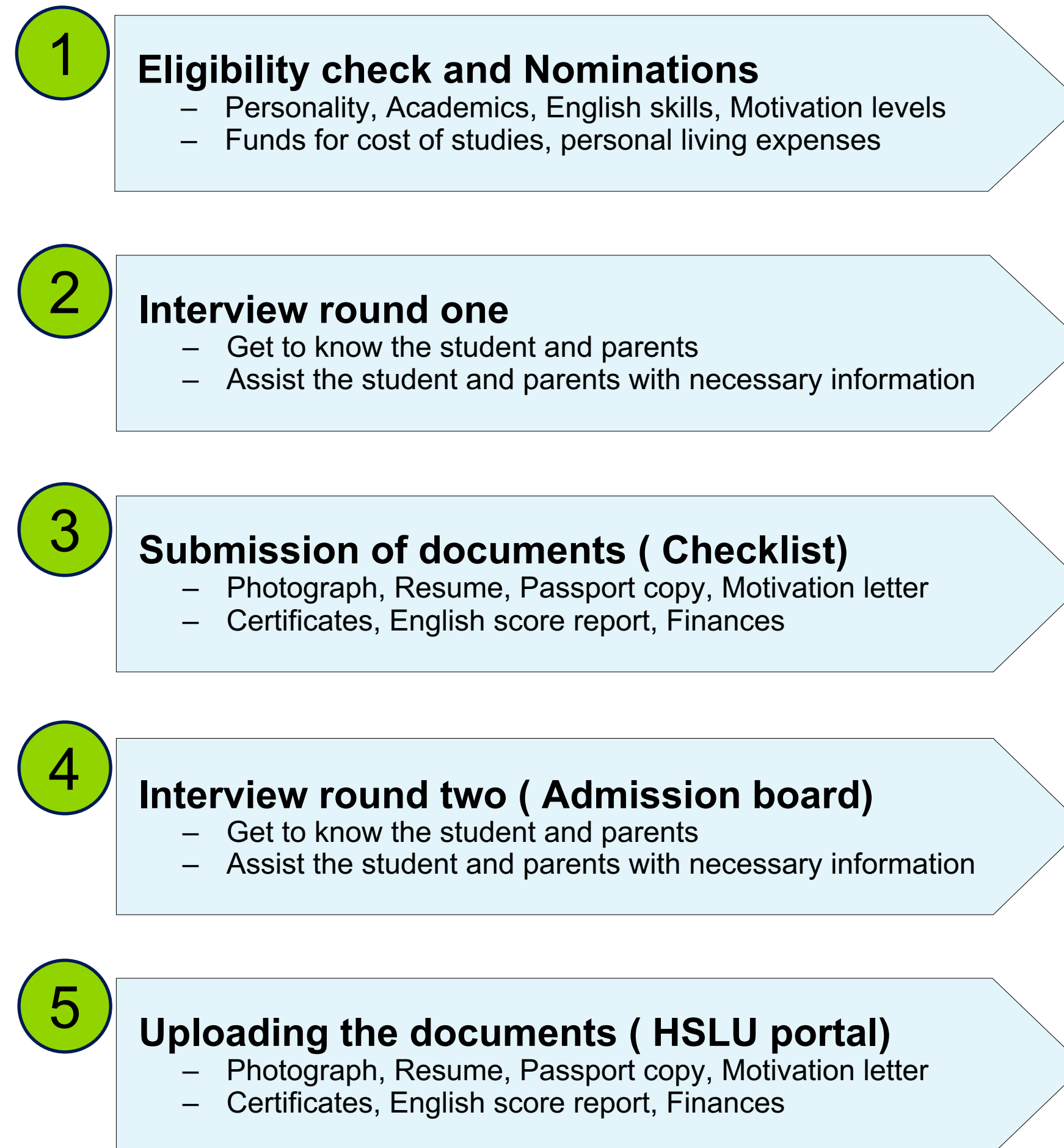


Post-submission, within one or two weeks...



Post-interview, within one working days...

Admission process



Outcomes

- Setting a date and time for the interview
- Link for zoom meeting

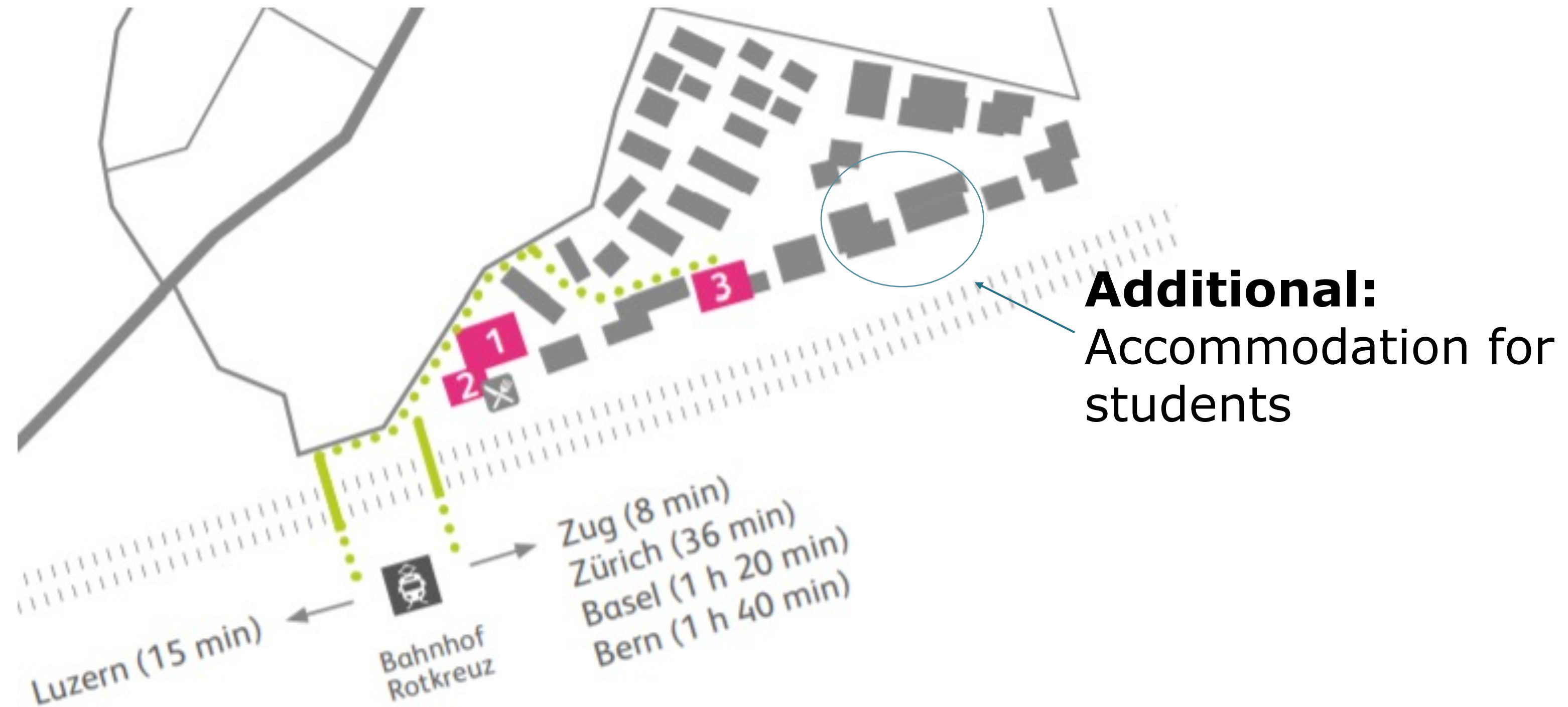
- Compatible to the study program.
- Questions and answers
- Decisions to partner university

- Documents verification
- Setting a date and time for the interview
- Link for zoom meeting

- Compatible to the study program.
- Questions and answers
- Decisions to partner university

- Documents verification
- A letter of admission, study fees, and accommodation arrangement invoices are issued for the first semester(5 working days).

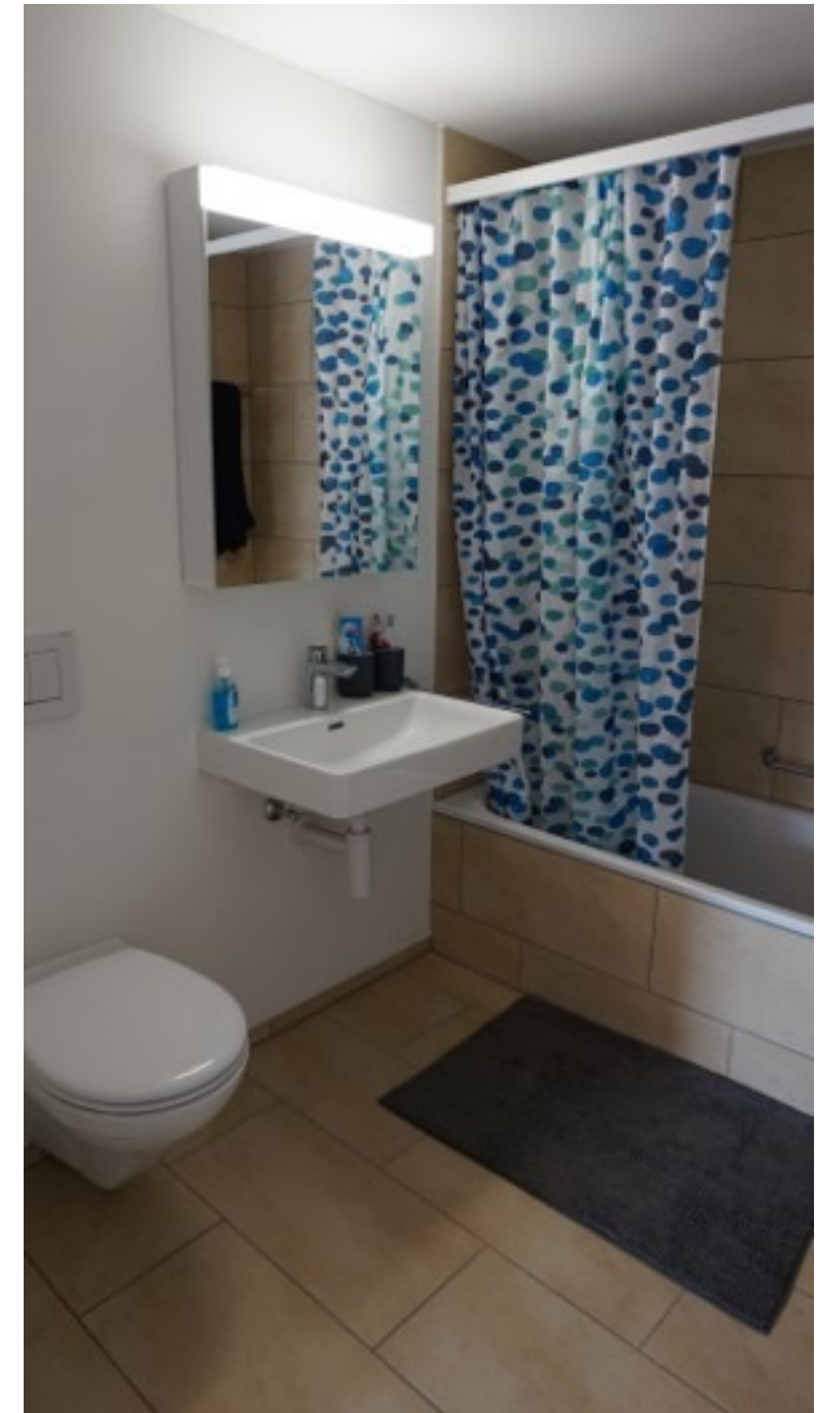
Housing



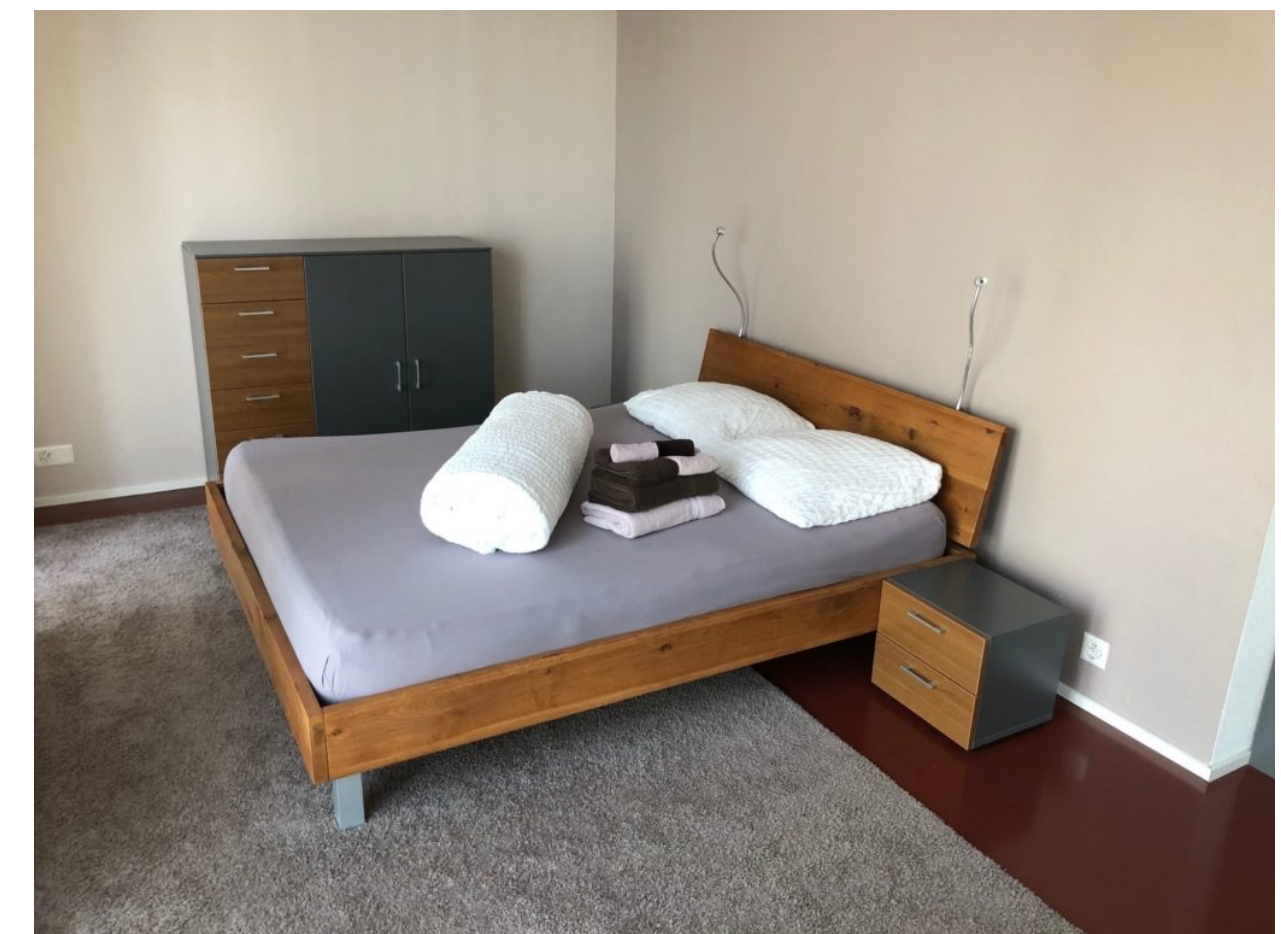
New buildings (1+2):
Directly at train station

Additional:
Accommodation for
students

Housing : Campus Zug-Rotkreuz (Suurstoffi 18a/b)



Housing : Campus Zug-Rotkreuz (Suurstoffi 12a)



Thank you very much
for your interest

Lucerne University of Applied Sciences and Arts

**School of Computer Science and Information
Technology**

Campus Zug-Rotkreuz
Suurstoffi 1
6343 Rotkreuz
Switzerland

<https://www.hslu.ch/de-ch/informatik>

[https://www.hslu.ch/en/lucerne-school-of-information-
technology/](https://www.hslu.ch/en/lucerne-school-of-information-technology/)



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