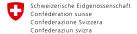


People in education

2019 edition



Published by: Federal Statistical Office (FSO)

Information: lernstat@bfs.admin.ch; sius@bfs.admin.ch

Editor: Antoine Bula, FSO; Juan Segura, FSO

Series: Swiss Statistics

Topic: 15 Education and science

Original text: French

Translation: FSO language services

Layout: DIAM Section, Prepress/Print
Graphics: DIAM Section, Prepress/Print
Online: www.statistics.admin.ch

Print: www.statistics.admin.ch

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Printed in Switzerland

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FSO number: 1387-1900

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1 Introduction

This publication provides an overview of people in education in Switzerland. The statistical results are presented according to the different levels of education which make up the Swiss educational system, i. e. compulsory schooling (primary¹ and lower secondary level), upper secondary level (vocational education and training (VET) and general education programmes) and tertiary level (advanced professional education and training (PET) and higher education institutions). They are based on the most recent data, i. e. from the academic year 2017/18 for all education excluding the higher education institutions and from the academic year 2018/2019 for those institutions.

In 2017/18 there were more than 1.6 million pupils and students in Switzerland, representing almost a fifth of the country's population. Roughly, half of people in education are female and almost a quarter are of foreign nationality. 58% of people in education are in compulsory schooling, 23% at upper secondary level and 19% at tertiary level.

Two trends have marked the growth in the number of pupils and students since the beginning of the millennium. Whereas the number of pupils in compulsory education first stagnated and then declined gradually in line with demographic trends, numbers in the upper secondary level and especially those in the tertiary level grew throughout the same period. The increase observed in the tertiary level was particularly marked in the higher education institutions.

Overview of people participating in education

	2000/01	2005/06	2010/11	2017/18
Total	1 433 471	1 486 482	1 529 675	1 616 925
Compulsory education	948 957	947 691	913 012	944 706
Upper secondary level	315 672	324 467	358 854	365 324
Tertiary level	160 484	204 664	257 809	306 895
Level unspecified	8 358	9 660	_	

Sources: FSO - SDL, SHIS-studex

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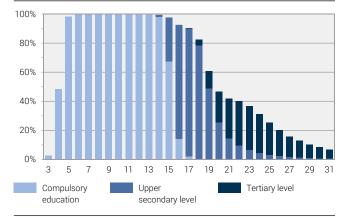
T1

The primary level lasts eight years including the two years of kindergarten or first learning cycle.

Graph G1 shows that in 2017/18, almost 50% of 4-year-olds and over 95% of 5-year-olds were enrolled in education. Most pupils had finished compulsory schooling at the age of 16. However, the majority of them remain in the educational system, most of them following education and training at upper secondary level. Whereas the majority of students aged 16 to 18 are in this type of education, this percentage falls to 50% of 19 year-olds, at which age courses are started at the tertiary level. More than 60% of young people aged 19 participate in education. This figure falls to approximately 46% among twenty year-olds and continues to decline steadily thereafter.

School enrolment rate by age, 2017/18

G1



Sources: FSO - SDL, SHIS-studex, STATPOP

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2 Compulsory education

General remarks

In recent years compulsory education has undergone two major reforms: The first concerned its structure with the implementation of the HarmoS¹ Agreement. According to this Agreement, compulsory education lasts eleven years. It covers the primary and lower secondary levels. The primary level lasts eight years including the two years of kindergarten or the first two years of the elementary cycle. The majority of cantons have adopted the directives of the HarmoS Agreement. As well in cantons, which have not signed this Agreement, a gradual harmonization can be noticed.

The second reform concerned pupils with special needs. Although in the past these pupils were put in special classes or schools, nowadays they are integrated more and more into standard classes where they receive additional specialised teaching support, individually or in a group.

Overview of pupils in compulsory education

Τ2

	2000/01	/01 2005/06	2010/11	2017/18		
					Female (%)	Foreign (%)
Compulsory education: total	948 957	947 691	913 012	944 706	48.5	27.3
Primary level 1–2 ¹	148 167	146 474	148 879	171 859	48.4	27.9
Primary level 3–8	473 739	454 092	436 076	494 049	49.1	26.9
Lower secondary	278 457	298 436	290 927	247 472	49.3	24.9
Special education programme ²	48 594	48 689	37 130	31 326	34.7	47.4

¹ Kindergarten, first learning cycle

Source: FSO - SDL © FSO 2019

Includes all pupils in special schools or classes (classes for foreign language speaking pupils or introduction classes). Pupils who receive specialised teaching support in standard classes are not depicted here.

[&]quot;Intercantonal Agreement on Harmonisation of Compulsory Education". It governs the duration and main objectives of each educational level as well as the transition from one level to the next.

According to table T2, almost 944 700 pupils participated in compulsory education in 2017/18. 18% of them were enrolled at primary level 1–2 (kindergarten, first learning cycle years 1–2), 52% at primary level 3–8, 26% at lower secondary level and 3% in special education programmes. Girls account for almost half of pupils at each level of compulsory education and pupils of foreign nationality for almost a quarter. Special education programmes, however, show figures quite different to these two averages (35% girls, 47% foreign pupils).

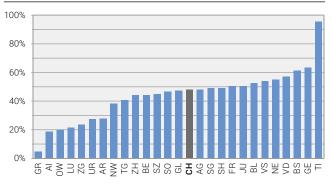
Pre-primary level 1-2 (kindergarten, first learning cycle)

The first two years of mandatory school are labelled as primary level 1–2. They correspond to kindergarten or the first two years of the elementary cycle. Before the implementation of HarmoS it was labelled as pre-primary level.

In some cantons attendance at pre-primary level is compulsory for only one year. In the canton of Ticino children from three years on can attend an optional year of kindergarten in addition to the two mandatory years. The variety of practices is shown in graph G2 which gives, by canton, the percentage of 4-year-olds having already started a pre-primary programme in relation to the total number of children of that age

School enrolment rate of 4 year-olds by canton, 2017/18

G2



Sources: FSO - SDL, STATPOP

© FSO 2019

In 2017/18 more than 171 800 children attended pre-primary education, their numbers remained stable compared to the previous year (increase of 0.6%). 48% of children were female and 28% of foreign nationality.

According to the FSO 2018–2027 scenarios for compulsory education, numbers at primary level 1–2 are expected to increase over the coming years due to the growing number of births as well as the implementation of the HarmoS Agreement.

Primary level 3-8

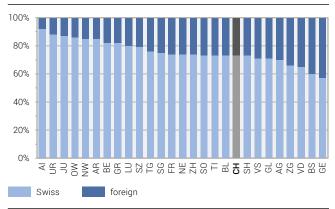
The primary level 3–8 encompasses the years 3 to 8 of compulsory school and takes therefore six years. Before the HarmoS Agreement it was the school years 1–5 or 6 of the primary level. In the canton Ticino the primary level 3–8 takes only five years². The aim of the primary level is to teach children reading, writing and mathematics as well as to instil in them basic knowledge of other subjects.

In 2017/18, almost 494 000 pupils attended the primary level 3–8, i. e. an increase of 1.5% compared to the previous year. Girls account for 49% and children of foreign nationality for 27%. As shown in Graph G3, the share of foreign pupils varies widely by canton.

Compared to 2000/01, numbers at primary level 3–8 have increased by 7%. According to the FSO 2018–2027 scenarios for compulsory education it is expected that the number of students will continually grow for the next ten years.

Pupils in primary level 3-8 by nationality and canton, 2017/18

G3



Source: FSO – SDL © FSO 2019

In this canton, the lower secondary level starts earlier and lasts four years instead of three.

Lower secondary level

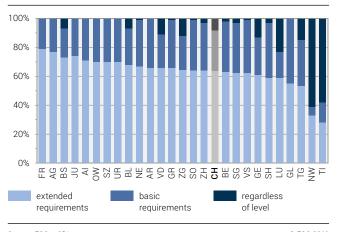
Education at lower secondary level lasts three years³. During this period, pupils receive a basic general education and prepare themselves for the next level of education, or in a few rare cases, for joining the labour force directly.

The lower secondary level comprises three education models which differ with regard to the demands placed upon pupils: a model for basic requirements, one for extended requirements and one where no distinction is made with regard to level or with no information on the type of pupil selection. Different models exist depending on the canton and even coexist within the same canton.

In 2017/18, more than 247 400 pupils attended the lower secondary level. The amount remained stable compared to the previous year (decrease of less than 0.1%). 49% of them were girls and 25% were of foreign nationality. 63% of lower secondary level pupils were enrolled in a programme of extended requirements.

The number of pupils at lower secondary level has declined by more than 17% since 2005/06. According to the FSO 2018–2027 scenarios for compulsory education, numbers reached a minimum in 2016. As a result of the demographic wave already observed in previous levels, the numbers began to increase again in 2017.

Pupils in lower secondary level by requirement level and canton of residence, 2017/18 G4



Source: FSO - SDL © FSO 2019

With the exception of the canton of Ticino where the lower secondary level (scuola media) lasts four years.

3 Upper secondary level

General remarks

Upper secondary level follows compulsory education. Students are mainly divided between vocational education and training (VET) and general education programmes. Transitional and complementary courses as well as the federal vocational baccalaureate complete this offer. Courses generally last two to four years and culminate in a federal VET diploma, a federal VET certificate, a baccalaureate certificate or another type of certificate. With the exception of the federal VET certificate, the qualifications obtained at the end of the upper secondary level enable access to the tertiary level.

Overview of upper secondary level students

Т3

	2000/01 2005/0	2005/06	2010/11	2017/18		
					Female (%)	Foreign (%)
Upper second- ary level: total	315 672	324 467	358 854	365 324	47.2	22.1
Transitional education lower – upper sec.	13 399	15 859	17 114	19 108	43.0	54.8
Vocational education and training (VET) ¹	207 969	213 174	228 825	224 557	41.3	20.8
Federal vocational baccalaureate ²	3 215	5 288	7 670	9 568	49.6	9.5
General education	82 985	82 119	92 087	99 530	59.4	20.5
Complementary education in upper secondary	8 104	8 027	13 158	12 561	60.0	17.9

¹ Including preparation for federal vocational baccalaureate integrated in vocational education and training (FVB1)

Source: FSO - SDL © FSO 2019

In 2017/18 more than 365 300 pupils attended an upper secondary level course. 62% were in vocational education and training and 27% in general education leading to a baccalaureate, a specialised

² Federal vocational baccalaureate after vocational education and training (FVB2)

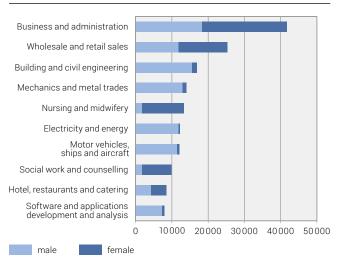
school certificate or a specialised baccalaureate. The remaining 11% were following a post-federal VET diploma vocational baccalaureate course, a transition or complementary course.

According to the FSO 2018–2027 scenarios for upper secondary level, numbers for this level, whose growth has slowed down markedly, are expected to decrease slightly until 2019. Afterwards a renewed growth is expected.

Vocational education and training (VET)

Vocational education and training is regulated at the federal level and is based mainly on a dual system (90% of students in 2017/18, the remainder following a course in full-time education). The dual model offers training shared between the company providing training (practical) and vocational school (theory). Students following vocational education and training obtain a federal VET diploma after 3 or 4 years or a federal VET certificate after two years. The latter is aimed at people who have difficulties following the federal VET diploma course. Holders of a federal VET certificate, however, are entitled to start in the second year of a federal VET diploma course for the same profession.

Students in vocational education and training (VET) by most popular training sectors and gender, Q517/18



Note: 28% of students are enrolled in training sectors not mentioned in the graph.

Source: FSO - SDL © FSO 2019

In 2017/18, almost 224 500 students were in vocational education and training, a stable number compared with the previous year (decrease of 0.7%). 41% of the students were female and 21% were of foreign nationality. Almost all students in vocational education and training were following a programme leading to a federal VET diploma (94%). The remainder chose a federal VET certificate (6%). The other vocational courses are very marginal.

The three most popular training sectors chosen by students in 2017/18 were: Business and Administration (19%), Wholesale and Retail sale (11%), Building and Civil engineering (8%). Some sectors are clearly dominated by one gender.

Federal vocational baccalaureate

Introduced in the early 1990s, the federal vocational baccalaureate gives access to the universities of applied sciences. In May 2015, the new regulation for vocational baccalaureates (BMV 2009) took effect. In consequence of this there are since 2015/16 revised orientations of vocational baccalaureates. These replace step by step the formerly issued orientations. The presentation of the results is here in accordance to the new nomenclature.

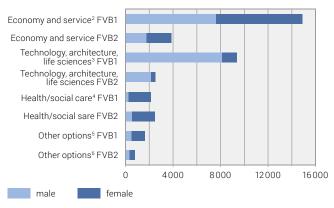
The baccalaureate course can be taken either at the same time as vocational education and training (FVB1 model), or afterwards (FVB2 model). Roughly three-quarters of federal vocational baccalaureate students choose the FVB1 model and the remaining quarter the FVB2. However, this ratio is not seen with regard to qualifications awarded (52% FVB1, 48% FVB2 for 2017). This is due to the fact that students opting for FVB1 follow a course lasting a minimum of three years, whereas those choosing FVB2 study usually for only one year.

In 2017/18, 37 589 students followed a federal vocational baccalaureate programme, a stable number compared with the previous year (decrease of 1.2%). 43% of them were female and 12% were of foreign nationality.

"Economy and Service" and "Technology, Architecture, Life sciences" options are the most popular and are chosen by 50% and 32% of students respectively. Female dominate in "Health/social Care" and "Visual Arts and Applied Arts" options whereas males dominate "Technology, Architecture, Life sciences" and "Natural, Landscape and Food" options. For its part, the "Economy and Service" option shows a balanced gender distribution.

Students in federal vocational baccalaureate (FVB1 and FVB2) by option and gender, 2017/18

G6



- options according to BMV (Federal vocational Baccalaureate Ordinance) 2009
- ² including Commercial option according to BMV 1998
- 3 including Technical option according to BMV 1998
- including Health/Social Care option according to BMV 1998
- other options: Visual Arts and Applied Arts, Nature, Landscape and Food according to BMV 2009 and Arts, Trades, Natural Sciences according to BMV 1998
- other options: Visual Arts and Applied Arts, Nature, Landscape and Food according to BMV 2009

Source: FSO - SDL © FSO 2019

Baccalaureate

The baccalaureate is awarded after three to four years of study, depending on the canton, in a baccalaureate school. It is officially recognised by the Confederation (Ordinance on Recognition of Baccalaureate, MAV) and by the cantons (Regulation on Recognition of Baccalaureate, MAR) and prepares students for the university and the university of teacher education.

In 2017/18, 71 076 students attended a baccalaureate school, their numbers remained stable compared to the previous year (increase of 0.1%). 57% of them were female and 14% were of foreign nationality.

The MAR stipulates that in addition to seven fundamental disciplines, students choose a specific option and a complementary option. As shown in table T4, the three most popular specific options in 2017/18 were: Economics and Law (23%), Modern Language (19%) and Biology and chemistry (19%). The Physics and Applied Mathematics option showed the greatest share of males whereas the Visual Arts option was chosen mainly by females.

Students in baccalaureate schools by specific option and gender, 2017/18

T4

	Total	Male	Female
Baccalaureate: total	71 076	30 533	40 543
Economics and Law	16 064	9 004	7 060
Modern Language	13 585	3 407	10 178
Biology and Chemistry	13 487	5 927	7 560
Physics and Applied Mathematics	7 575	5 608	1 967
Visual Arts	5 237	1 200	4 037
Philosophy, Education Science, Psychology	4 231	1 176	3 055
Music	2 836	922	1 914
Classic Languages	2 384	857	1 527
Without federal recognition	1 269	476	793
Mathematics and Sciences	225	125	100
Option not specified	4 183	1 831	2 352
Source: FSO - SDL			© FSO 2019

Upper secondary specialised schools

The upper secondary specialised schools, whose accrediting body is the Swiss Conference of Cantonal Ministers of Education (EDK), provide a general education and at the same time introduce students to a professional sector. At the end of three years, students obtain a specialised school certificate to which they can add a specialised baccalaureate by completing a fourth year of studies.

In 2017/18, 19 456 students attended an upper secondary specialised school, representing an increase of almost 5% compared with the previous year. 73% of them were female and 20% were of foreign nationality.

As shown in table T5, the three most popular programmes were in the Health Care (20%), Education (14%) and Social Work (13%) occupational fields. With two exceptions (Sports and Natural sciences), females are in the majority in all courses.

Students in upper secondary specialised schools by occupational field, type of diploma and gender, 2017/18

T5

	Total	of whom		Male	Female	
		preparation for the specialised school certificate	preparation for the specialised baccalaureate			
Upper secondary specialised						
schools: total	19 456	16 102	3 354	5 320	14 136	
Core curriculum	4 123	4 123	0	1 327	2 796	
Health Care	3 853	2 874	979	1 169	2 684	
Education	2 777	1 546	1 231	506	2 271	
Social Work	2 520	1 802	718	648	1 872	
Social Work/ Education	2 267	2 261	6	601	1 666	
Social Work/ Health Care	912	912	0	160	752	
Art and Design	862	726	136	276	586	
Communication and Information	873	714	159	330	543	
Health Care/ Education	805	805	0	125	680	
Health Care/ Natural Sciences	320	225	95	101	219	
Music and Theatre	102	78	24	43	59	
Sport	41	36	5	33	8	
Natural Sciences	1	0	1	1	0	

Source: FSO - SDL © FSO 2019

Transitional and complementary education

Transitional education between lower and upper secondary level

Students who have not found a training or education course after compulsory education or who need to make up for a lack of knowledge in certain areas can follow a transitional course which usually lasts one year. In 2017/18, 19,108 students followed such a course, representing an increase of less than 2% compared with the previous year.

Complementary education between upper secondary and tertiary level

The purpose of complementary courses is usually to complement qualifications already acquired and to thus gain access to a specific tertiary level course of education. Bridge-type courses, which grant holders of a federal vocational baccalaureate admission to universities are an example of this type of course. During the school year 2017/18, 12 561 students followed a complementary course, i. e. a decline of 3% compared with the previous year.

4 Tertiary level

General remarks

The tertiary level is divided into two parts: advanced professional education and training (PET) and higher education institutions.

The tertiary level has undergone two major transformations: first the transfer of a part of professional education and training courses to higher education institutions with the creation of the universities of applied sciences (UAS) in the 1990s; this movement was followed by the transfer to tertiary level of a certain number of training courses which had previously been carried out at upper secondary level. Second, the institutions of higher education underwent far-reaching changes in the organisation of studies following the application of guidelines from the Bologna declaration² in the early 2000s. The great increase in numbers since 2000/01 (+91%) is largely due to these two factors.

In 2017/18, 306 896 students were enrolled at tertiary level. The vast majority (81%) were following a course in a higher education institution. The remaining 19% were in advanced professional education and training. The share of females is higher in higher education institutions (51%) than in advanced professional education and training (44%). The same applies to the share of foreign national students (25% versus 12%).

Overview of tertiary level students

T6

	2000/01	2005/06	/06 2010/11	2017/18		
					Female (%)	Foreign (%)
Total		204 665			49.8	22.6
Advanced professional education and training (PET)	38 674	38 151	51 280	58 991	44.3	11.9
Higher educa- tion institutions	121 810	166 513	206 529	247 904	51.2	25.2

Sources: FSO – SDL, SHIS-studex © FSO 2019

This is the case, in particular, with the training of pre-primary and primary teachers.

The aim of this declaration is to create a European space of higher education and to harmonise education systems and diplomas.

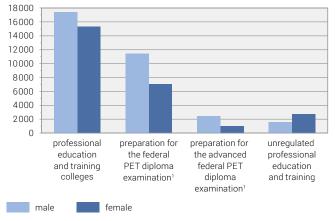
Advanced professional education and training (PET)

Advanced professional education and training allows people with completed vocational education and training to acquire more indepth knowledge of their subject area or to extend it to new ones. The programmes on offer place a strong emphasis on the practical and prepare students to take on technical and managerial functions, at least to middle-management level.

Advanced professional education and training includes professional education and training colleges and preparation for the federal or the advanced federal PET diploma examinations governed by the VPETA³ as well as training courses not regulated by this act.

Students in advanced professional education and training (PET) by type of training and gender, 2017/18





Students are not completely surveyed because the preparations for federal exams are not formally regulated. They often take place in modular trainings, which are only surveyed if the single module corresponds to at least half a school-year (full time equivalent).

Source: FSO - SDL © FSO 2019

³ Federal Act on Vocational and Professional Education and Training (VPETA) of 2002.

In the academic year of 2017/18, 58 991 students were in advanced professional education and training (+4% compared with the previous year). The majority (56%) are at professional colleges, 37% are preparing for a federal or an advanced federal PET diploma examination⁴ and 7% are following a training course not governed by the VPETA. Males constitute the majority except for the last type of courses (64% female).

Professional education and training colleges

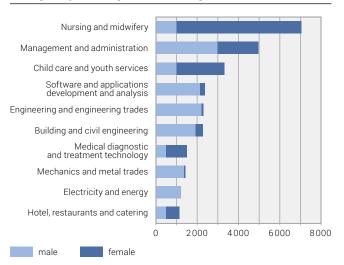
Professional education and training colleges offer training within an institution. Courses last at least three years if followed while in employment or at least two years if they are taken full-time. The creation of courses for the various subjects and their recognition by the State Secretariat for Education, Research and Innovation (SERI) is based on the core curriculum governing education and training. They are binding for all providers of education and training.

During the academic year 2017/18, 32 756 students attended professional colleges, of whom 47% were female and 12% of foreign nationality. As shown in graph G8, the most popular course was Nursing and Midwifery (22% of students). This was followed by Management and Administration (15% of students) and Child Care and Youth Services (10% of students). All other training sectors accounted for less than 8% of students each. With regard to student distribution by gender, there are large differences between the training sectors.

Students preparing for federal or advanced federal PET diploma examinations are not completely surveyed because the preparations to federal exams are not formally regulated. They often take place in modular trainings, which are only surveyed if the single module corresponds to at least half a school-year (full time equivalent).

Students in professional education and training colleges by training sectors and gender, 2017/18

G8



Note: 16% of students are enrolled in training sectors not mentioned in the graph.

Source: FSO – SDL © FSO 2019

Preparation for federal or advanced federal PET diploma and training and education not governed by the VPETA

The federal and the advanced federal PET diploma are recognised at federal level and protected⁵ contrary to education and training not governed by the VPETA.

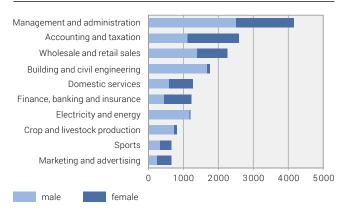
During the academic year 2017/18, 21 903 students followed a preparatory course for a federal or an advanced federal PET diploma examination⁶. Almost three-quarters of them took courses in one of the sectors presented in the graph G9. With regard to student distribution by gender, there are large differences between the training sectors

It should be noted that only the final exam is regulated by the VPETA. Although preparatory courses exist, candidates are free to prepare for the examinations as they see fit. Current statistics only cover people enrolled in preparatory courses.

⁶ Please see note 4 p. 19.

In the academic year 2017/18, 4322 students followed training courses not governed by the VPETA. 19% of them were enrolled in the Management and Administration training sector and 18% in Nursing and Midwifery. All other training sectors accounted for less than 12% of students each.

Students preparing for federal or advanced federal PET diploma examinations¹ by most popular training sectors and gender, 2017/18 G9



Students are not completely surveyed because the preparations for federal exams are not formally regulated. They often take place in modular trainings, which are only surveyed if the single module corresponds to at least half a school-year (full time equivalent).

Note: 24% of students are enrolled in training sectors not mentioned in the graph.

Source: FSO - SDL © FSO 2019

Higher education institutions

Swiss higher education institutions are classified into three types: Universities and institutes of technology (UIT), universities of applied sciences (UAS) and universities of teacher education (UTE).

In 2018/19 more than 250 000 students were enrolled at a Swiss university, representing an increase of 107% compared with 2000/01 and of 2% compared with the previous year. This large increase in student numbers is mainly due to the development of the education on offer at the UAS and UTE at the beginning of the 2000s. The increase in numbers at the UAS between 2000/01 and 2018/19 was particularly significant (+212%).

More than 60% of students are enrolled at an UIT, 31% at an UAS and roughly 8% at an UTE. There are slightly more women (52%) than men and foreign students make up a quarter of the enrolled students. The distribution of students by gender and nationality, however, varies greatly depending on the type of university and the level of studies.

Overview of university students

Τ7

	2000/01	2005/06	2010/11	2017/18		
					Female (%)	Foreign (%)
Total		166 513		252 530	51.5	25.3
UIT	96 673	112 373	131 494	152 858	51.0	30.6
UAS	25 137	43 721	60 930	78 477	46.7	19.1

Source: FSO - SHIS-studex

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The Bologna reform, started in Swiss universities at the beginning of the 2000s, which brought about the gradual replacement of the traditional «first university degree/diploma» study courses by a two-cycle system (Bachelor/Master) is now complete. This situation is reflected in the distribution of students by level of studies. In 2018/19, the greatest number of students (almost 60%) were undertaking a Bachelor course. This was followed by Master students (23%). Post-graduate education concerned 15% of students (10% at PhD level and 5% in further education and advanced studies).

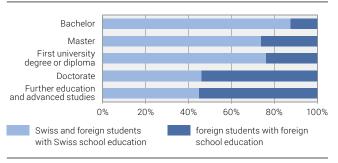
Universities and institutes of technology (UIT)

In 2018/19, 152 858 students were following a university course, representing an increase of 1.5% compared with the previous year. UIT student numbers become greater every year. In 2018/19, the increase was 58% compared with the numbers in 2000/01.

Social sciences (16% of total UIT students) and economic sciences (14%) are the fields of study with the greatest number of students. With more than 17% of UIT students, the University of Zurich is the biggest in Switzerland in terms of numbers. The proportion of men and women is almost the same, although proportions differ widely depending on the field of study and the level of study concerned.

Some 30% of UIT students are of foreign nationality, 26% having lived abroad before starting their university education. Foreign students whose school education was undertaken abroad are in the majority in further education and advanced studies (55%) and at PhD level (54%).

Students at universities and institutes of technology by nationality, education place and level of study, 2018/19 G10



Source: FSO - SHIS-studex

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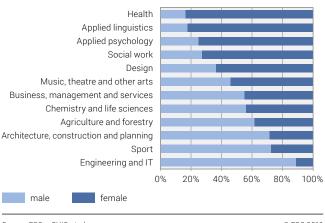
Universities of applied sciences (UAS)

Since their creation at the end of the 1990s, the UAS have evolved constantly. New study courses (also at Master level) and new institutes have gradually been added to the UAS system. This has allowed large and constant growth in numbers. Starting with 25 000 UAS students in 2000/01, numbers grew to more than 78 000 students enrolled in 2018/19. The percentage of women (26% in 2000/01) has increased enormously over the years, reaching 47% in 2018/19 thanks mainly to the development of the UAS training and education in Health (84% of students were female in 2018/19). The number of women varies greatly depending on the field of study and the level of study, as does that of foreigners, which reached 16% in 2018/19. The number of foreign students is greater at Master level (40%).

The Zurich University of Applied Sciences (23%) and the University of Applied Sciences and Arts of Western Switzerland (21%) account for the largest numbers of UAS students. Most popular are courses in Business, Management and Services (37%), in Engineering and IT (18%) and Health (11%).

Students at universities of applied sciences students by field of study and gender, 2018/19

G11



Source: FSO - SHIS-studex

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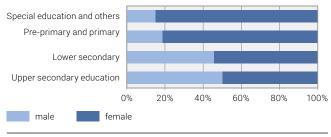
The HES have finished their transition towards new levels of study consistent with Bologna. The most important element was the introduction of the Master's degree, as it added an additional level to studies which had not existed before. Since 2010/11 no one has started an UAS at «diploma» level.

Universities of teacher education (UTE)

The UTE are specialised universities: the level of study depends on the course taken, i. e. on the school level which students wish to teach later. Teachers must have a Bachelor's degree to teach at pre-primary and primary level, a Master's for lower secondary level and a Master's degree from a university followed by an UIT or UTE teaching diploma for upper secondary level. For other UTE courses, studies at Master level are required, except for speech therapy and psychomotor education for which a Bachelor's degree is sufficient. Nationwide, the UTE are not the only institutes responsible for teacher training. In some cantons, this task is shared between the UTE and the UIT. The canton of Geneva is an exception as teacher training is only provided in the UIT.

Students at universities of teacher education by branch of study and gender, 2018/19

G12



Source: FSO - SHIS-studex

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Since their creation, the UTE have constantly increased their student numbers. In 2018/19, almost 22 000 students were enrolled in teacher training, representing an increase of 2.2% compared with the previous year. 72% of students are women and less than 10% of foreign origin. As shown in graph G12, female numbers vary depending on the branch of study.

More than half of UTE students were following a course for preprimary and primary teaching. The number of Bachelor admissions for this course in 2018/19 was more than 3000.

5 Sources

Statistics on pupils and students (SDL)

The statistics on pupils and students (SDL) are compiled from 26 cantonal statistics. All individuals who have followed a programme aimed at a specific training objective for at least half a year, either full or part-time, are recorded. The survey covers every level from primary level 1–2 (kindergarten/first learning cycle, years 1–2) to tertiary (excluding universities). Private and public educational institutions are included in the survey. The FSO standardises at national level data from 26 cantons.

Swiss university information system (SHIS)

The Swiss university information system's student and graduate database (SHIS) was created in the early 1970s to meet a growing need for coordination and planning by the Confederation and the cantons in the university sector. It provides information on the situation with regard to study courses, how they are run and on various socio-demographic factors concerning students. All students enrolled have an individual identification number. This makes it possible to process the personal data collected anonymously and to conduct flow analyses (e.g. changing from one university to another, changing course, pass rate, length of studies). The database is used for scientific analyses of how studies are run in Swiss universities. in particular for the university indicators and the scenarios for student numbers established by the FSO. Since the academic year 2012/13, the NAVS13 has been conducted in addition for each person enabling longitudinal analyses to be made for all levels of education and training.

Population and Household statistics (STATPOP)

The Population and Household statistics (STATPOP) is one of the surveys conducted since 2010 as part of the new annual population census system. It represents the current state and structure of the residential population and households on 31 December of a given year as well as the movements recorded during the calendar year.

6 Abbreviations

- EDK Swiss Conference of Cantonal Ministers of Education
- EPF Federal institutes of technology
- FSO Federal Statistical Office
- FVB Federal Vocational Baccalaureate
- MAR Regulation on Recognition of Baccalaureate
 MAV Ordinance on Recognition of Baccalaureate
 SDL Pupils and students (excluding universities)
- SERI State Secretariat for Education, Research and Innovation
- SHIS Swiss University Information System
- UAS Universities of applied sciences
- UIT Universities (including federal institutes of technology)
- UTE Universities of teacher education
- VPETA Federal Act on Vocational and Professional Education
 - and Training

The FSO regularly writes publications and topical papers on this subject. We ask you to consult our website:

www.education-stat.admin.ch

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www.etatistics.admin.ch

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