

# Education Statistics

## 2008



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra

Swiss Confederation

Federal Department of Home Affairs FDHA  
**Federal Statistical Office FSO**

Neuchâtel, 2008

# Pupils and Students, in 2007/08

## Pre-primary, Primary, Lower and Upper Secondary Education

Education level	Total	Men	Women	National origin	
				Swiss	Foreign
<b>Pre-primary</b>	<b>151 699</b>	<b>77 971</b>	<b>73 728</b>	<b>111 548</b>	<b>40 151</b>
Primary schools	445 136	226 241	218 895	342 994	102 142
Lower secondary schools	298 368	150 144	148 224	235 218	63 150
<i>Schools with basic requirements</i>	79 531	43 576	35 955	53 198	26 333
<i>Schools with extended requirements</i>	176 082	84 588	91 494	150 194	25 888
<i>No selection requirements</i>	42 755	21 980	20 775	31 826	10 929
Special education programme	44 568	28 018	16 550	24 984	19 584
<b>Compulsory education</b>	<b>788 072</b>	<b>404 403</b>	<b>383 669</b>	<b>603 196</b>	<b>184 876</b>
Matura school	71 958	31 382	40 576	62 384	9 574
Other general education school	25 006	8 040	16 966	18 453	6 553
Vocational education	220 631	129 548	91 083	185 739	34 892
Preparation for the fed. professional baccalaureate (after apprenticeship)	6 158	3 275	2 883	5 549	609
Basic vocational training	3 546	2 581	965	2 396	1 150
Pre-vocational training	2 591	1 132	1 459	1 646	945
<b>Upper secondary education</b>	<b>329 890</b>	<b>175 958</b>	<b>153 932</b>	<b>276 167</b>	<b>53 723</b>

# Students, in 2007/08

## Tertiary Level

Education level	Total	Men	Women	National origin	
				Swiss	Foreign
Higher vocational education	48 147	23 949	24 198	39 296	8 851
<i>Higher vocational education</i>	589	110	479	509	80
<i>Vocational colleges</i>	18 571	8 856	9 715	16 575	1 996
<i>Preparation for professional or master's examinations</i>	4 229	2 774	1 455	3 545	684
<i>Preparation for trade examinations</i>	13 073	7 489	5 584	10 926	2 147
<i>Other</i>	11 685	4 720	6 965	7 741	3 944
University	177 715	90 525	87 190	140 786	36 929
Universities of applied sciences	60 809	31 677	29 132	51 517	9 292
<i>including Universities of Teacher Education</i>	11 950	2 799	9 151	11 222	728
Universities	116 906	58 848	58 058	89 269	27 637
<i>Humanities and social sciences</i>	41 531	14 620	26 911	33 513	8 018
<i>Economics</i>	15 956	10 966	4 990	10 881	5 075
<i>Law</i>	13 925	6 390	7 535	11 891	2 034
<i>Exact and natural sciences</i>	19 037	12 098	6 939	13 164	5 873
<i>Medicine/pharmacy</i>	11 466	4 408	7 058	9 727	1 739
<i>Engineering</i>	11 482	8 516	2 966	7 316	4 166
<i>Interdisciplinary and others</i>	3 509	1 850	1 659	2 777	732
<b>Tertiary level</b>	<b>225 862</b>	<b>114 474</b>	<b>111 388</b>	<b>180 082</b>	<b>45 780</b>
<b>Not specified</b>	<b>11 295</b>	<b>5 719</b>	<b>5 576</b>	<b>1 645</b>	<b>9 650</b>

# Pupils, in 2007/08

## Compulsory Education, Cantons, Class Size

Canton	Compulsory education <sup>1</sup>			Pupils per class <sup>2</sup>	
	Total	Primary	Lower secondary	Primary	Lower secondary
ZH	116 315	75 218	41 097	20,9	18,9
BE	88 005	56 447	31 558	18,5	18,9
LU	39 731	25 645	14 086	18,9	18,8
UR	3 700	2 403	1 297	18,9	16,4
SZ	14 841	9 572	5 269	18,4	18,8
OW	3 875	2 418	1 457	18,3	17,0
NW	4 084	2 636	1 448	17,2	18,1
GL	3 915	2 437	1 478	17,8	17,4
ZG	10 241	6 649	3 592	18,8	17,0
FR	30 380	19 742	10 638	19,5	20,2
SO	23 613	14 874	8 739	19,8	18,6
BS	13 940	5 458	8 482	17,9	18,5
BL	24 150	12 615	11 535	19,2	19,3
SH	7 069	4 439	2 630	18,7	17,1
AR	6 118	3 825	2 293	19,0	18,6
AI	1 989	1 194	795	19,6	19,4
SG	49 374	31 075	18 299	19,6	18,8
GR	18 327	11 481	6 846	16,8	15,5
AG	58 883	30 208	28 675	19,5	17,9
TG	26 348	16 354	9 994	19,7	19,2
TI	28 703	15 866	12 837	19,0	20,5
VD	68 669	30 125	38 544	19,5	19,1
VS	31 003	19 907	11 096	19,5	20,1
NE	17 490	9 540	7 950	18,7	19,2
GE	44 969	29 873	15 096	19,6	19,2
JU	7 772	5 135	2 637	17,1	19,6
Switzerland	743 504	445 136	298 368	19,3	18,8

<sup>1</sup> The 44 568 pupils in special education programmes are excluded

<sup>2</sup> Public education

## Teachers in 2006/07 and Staff Employed in Universities 2007 (public education)

Education level <i>Type of personnel</i>	Persons			Full-time equivalents <sup>1</sup>
	Total	of whom		
		Women %	Foreign %	Total
<b>Pre-primary<sup>2</sup></b>	<b>13 800<sup>3</sup></b>	<b>95,6<sup>4,5</sup></b>	<b>1,9<sup>4,5</sup></b>	<b>8 200</b>
<b>Compulsory education</b>	<b>75 823<sup>3,4</sup></b>	<b>65,8<sup>4</sup></b>	<b>3,3<sup>4</sup></b>	<b>52 500<sup>2</sup></b>
Primary	44 291 <sup>3,4</sup>	78,9 <sup>4</sup>	1,5 <sup>4</sup>	29 400 <sup>2</sup>
Lower secondary	36 565 <sup>3,4</sup>	51,4 <sup>4</sup>	5,4 <sup>4</sup>	23 100 <sup>2</sup>
Special education programme	-	-	-	-
<b>Upper secondary education<sup>2</sup></b>	<b>13 100<sup>3</sup></b>	<b>41,4<sup>4,5</sup></b>	<b>6,8<sup>4,5</sup></b>	<b>7 700</b>
General education <sup>2</sup>	13 100 <sup>3</sup>	41,4 <sup>4,5</sup>	6,8 <sup>4,5</sup>	7 700
Vocational education	-	-	-	-
<b>Tertiary level</b>	<b>81 143</b>	<b>41,4</b>	<b>28,4</b>	<b>42 702</b>
University	46 671	41,4	36,3	31 504
Professors	3 227	14,6	44,7	2 849
Other teaching staff	7 262	24,4	28,8	2 722
Assistants and scientific personnel	22 070	40,1	49,1	15 002
Clerical and technical personnel	14 112	58,2	18,0	10 931
Universities of applied sciences	34 472	41,3	16,4	11 198
Professors	5 340	31,0	17,7	3 682
Other teaching staff	18 850	39,6	16,5	2 150
Assistants and scientific personnel	4 331	37,4	18,1	2 043
Clerical and technical personnel	5 951	59,1	13,6	3 324

<sup>1</sup> Full-time equivalents are expressed as the ratio of actual hours employed and the normal hours of a person employed full-time (e.g. a person employed for 50% of a full-timer counts as 0.5 full-time equivalents).

<sup>2</sup> For cantons that did not provide us with data, the number of teachers and the number of teachers in full-time equivalents were estimated on the basis of the cantonal student/teacher (full-time equivalent) ratio calculated at the end of the 90s.

<sup>3</sup> The figures include all teachers working at the level of education considered (double-countings possible).

<sup>4</sup> Provisional results.

<sup>5</sup> Percentages are calculated taking into account only those cantons that provided us with data.

## Selected Degrees and Certificates, in 2007

Type	Total	Men		Women	
		in figures	%	in figures	%
<b>Upper secondary</b>					
Certificate of basic vocational education	1 925	1 511	78,5	414	21,5
Federal certificate	1 591	530	33,3	1 061	66,7
Federal proficiency certificate	49 896	29 337	58,8	20 559	41,2
Proficiency certificate (other professions)	2 573	492	19,1	2 081	80,9
Trade certificate	2 474	1 203	48,6	1 271	51,4
Federal professional baccalaureate	10 615	5 856	55,2	4 759	44,8
Academic baccalaureate	17 461	7 317	41,9	10 144	58,1
Teacher's certificate (primary school)	114	24	21,1	90	78,9
Intermediate school certificate	3 600	651	18,1	2 949	81,9
<b>Tertiary level</b>					
<b>Higher vocational education</b>					
Diploma from other higher vocational education	8 774	2 589	29,5	6 185	70,5
Federal certificate of expertise	11 723	7 352	62,7	4 371	37,3
Master's/federal diploma	2 563	2 108	82,2	455	17,8
Vocational colleges	4 186	2 849	68,1	1 337	31,9
<b>University</b>					
Degree from university of applied sciences	9 649	5 662	58,7	3 987	41,3
University of applied sciences Bachelor's degree	1 874	272	14,5	1 602	85,5
University of applied sciences Master's degree	218	62	28,4	156	71,6
First university degree or diploma	7 015	3 151	44,9	3 864	55,1
University Bachelor's degree	7 168	3 678	51,3	3 490	48,7
University Master's degree	3 626	2 063	56,9	1 563	43,1
Doctorate	3 236	1 991	61,5	1 245	38,5

## Educational Attainment at Age 20, Distribution in %

Type of completed upper secondary education	Total		Men		Women	
	1997/98	2007/08	1997/98	2007/08	1997/98	2007/08
Vocational education <sup>1</sup>	67	69	74	78	59	60
Academic baccalaureate	18	19	17	16	19	23
Teacher training <sup>2</sup>	2	0	1	0	4	0
No completed education <sup>3</sup>	13	12	8	6	18	17
<b>Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

<sup>1</sup> Vocational education of two or more years' duration only. Estimate: The ratio of persons with a completed upper secondary vocational education equals the sum of the ratios of students in the second year of vocational education to the total population for each year of 16 to 21 year olds.

<sup>2</sup> Pre-primary, primary, arts and crafts and home economics teachers.

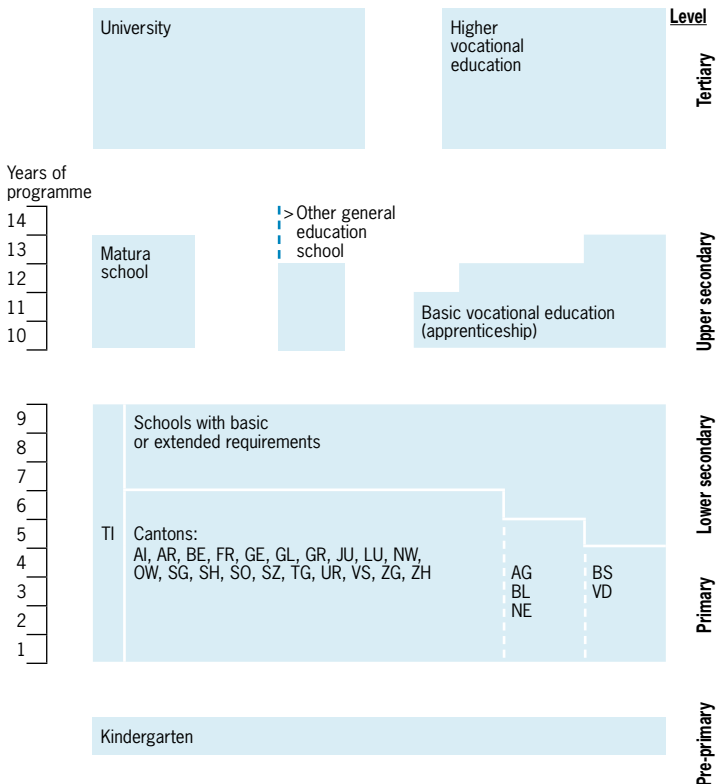
<sup>3</sup> Completion of one-year vocational education possible.

## Public Expenditure for Education 2006

Educational level	In CHF millions				
	Total	%	Institution		
			Confederation	Canton	Communes
Pre-primary	999,5	3,7	0,0	438,7	560,7
Compulsory education	11 439,8	42,7	18,4	4 614,4	6 807,0
Special education programme	1 309,7	4,9	0,0	560,5	749,2
Vocational education	3 357,3	12,5	525,3	2 567,4	264,6
Upper secondary general education	2 074,0	7,7	10,4	1 948,1	115,5
Higher vocational education	139,3	0,5	28,1	111,0	0,2
Universities, universities of applied sciences	6 992,3	26,1	2 939,3	4 039,5	13,4
Other tasks	495,0	1,8	35,2	421,3	38,5
<b>Total</b>	<b>26 806,9</b>	<b>100,0</b>	<b>3 556,7</b>	<b>14 700,9</b>	<b>8 549,3</b>
Of which salaries	18 239,4		...	...	...
<i>Teacher's salaries only</i>	14 610,0		...	...	...

Source: Federal Finance Administration

# The Swiss Education System (simplified presentation)



Valid for the school year 2007/08

## Information:

Order number: 420-0800

**University:** HSW@bfs.admin.ch

**Other parts of the educational system:** Schulstat@bfs.admin.ch