

## B ICT students

Students of and graduates from ICT fields of education (in short ICT students and graduates) are **defined** by the International Standard Classification of Education: Fields of Education and Training 2013 used in the Czech Republic (**CZ-ISCED-F 2013**). ICT-related studies correspond to the broad field of education **Information and Communication Technologies (class 06)** of this classification that involves detailed defined fields of education as follows:

Computer use (0611);

Database and network design and administration (0612);

Software and applications development and analysis (0613);

ICT not elsewhere classified (0619) and

Inter-disciplinary programmes and qualifications involving ICT (0688).

*Note: The 0619 and 0688 fields of education are merged into one category called here ICT n.e.c. and Inter-disciplinary ICT fields. The field of study Computer Use (0611) is not part of the study plan at universities.*

Detail description of **ISCED-F 2013** is available here:

<https://uis.unesco.org/en/topic/international-standard-classification-education-isced>.

Education at universities presented in this chapter for Czechia belongs to the tertiary level of education and **includes bachelor, follow-up master, master and doctoral study programmes**. Master and follow-up master study programmes together are called here master programmes. Studies can be delivered in full-time, distance, or combined type of education.

Data for the Czech Republic were obtained from data sources of the **Ministry of Education, Youth, and Sports (MEYS)**, namely from **the Union Information from Students' Registers (SIMS)**. The source database of SIMS is continually completed and updated, including retrospective corrections. Detailed information about the SIMS database is available here (*only in Czech*): <https://msmt.gov.cz/vzdelavani/vysoke-skolstvi/sdruzene-informace-matrik-studentu-sims>.

Data on university students are always as at **31 December of the reference year**; data on graduates are **for the entire school year**.

Numbers of students and graduates are given **as headcount**, i.e. each student is included in a particular piece of data only once, including students, who study in more study programmes or fields of education at the same time. The total numbers of students and graduates thus do not have to be equal to the sums of students and graduates of respective types of study programmes or field of education.

**Eurostat database** was used for **the international comparisons**. Data about number of students of and graduates from ICT fields of education contain information for tertiary level of education, i.e. including, for example, higher vocational schools. For this reason, the data for the Czech Republic from Eurostat differ from the data published by the CZSO available in the SIMS database. The main reason is mainly a slightly different definition of levels of tertiary education.

**For more information on ICT students see:**

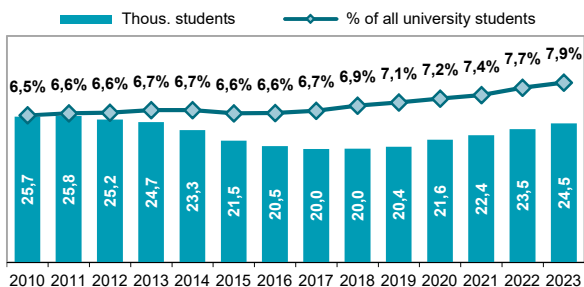
<https://csu.gov.cz/students-of-ict-fields>

## B ICT students and graduates

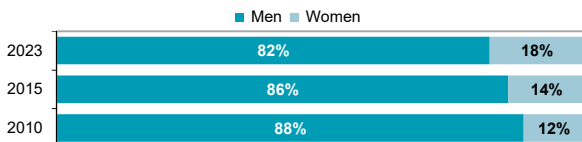
**Table B1 University students of ICT fields of education in Czechia by gender, age and citizenship**

	Number of students		
	2021	2022	2023
<b>Total</b>	<b>22 442</b>	<b>23 494</b>	<b>24 515</b>
Men	18 554	19 319	20 117
Women	3 888	4 175	4 398
<b>Age</b>			
Under 20 years	2 710	3 039	3 057
20-24 years	14 607	15 303	16 134
25-29 years	3 438	3 554	3 646
30-34 years	923	884	900
35 + years	764	714	778
<b>Citizenship</b>			
Czech citizens	15 550	15 897	16 540
<b>Foreigners, total</b>	<b>6 892</b>	<b>7 597</b>	<b>7 975</b>
Slovakia	3 164	3 146	3 305
Russia	1 318	1 340	1 162
Ukraine	659	1 081	1 257
other countries	1 751	2 030	2 251

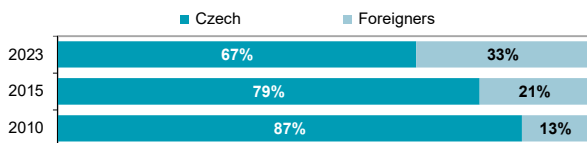
**Figure B1 University students of ICT fields of education**



**Figure B2 University students of ICT, by gender**



**Figure B3 University students of ICT, by citizenship**

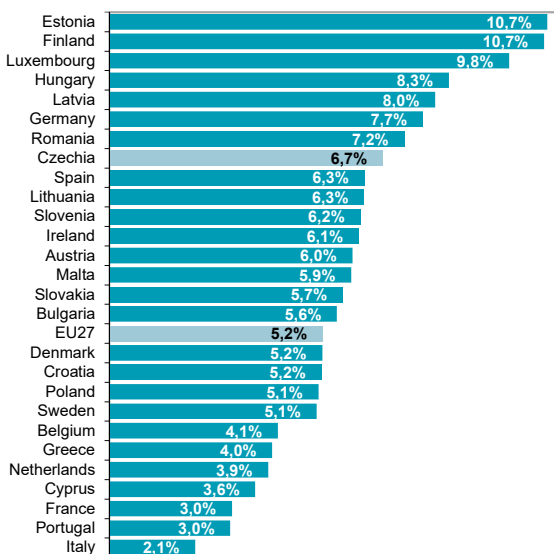


Source: CZSO calculation based on MEYS database

## B ICT students and graduates

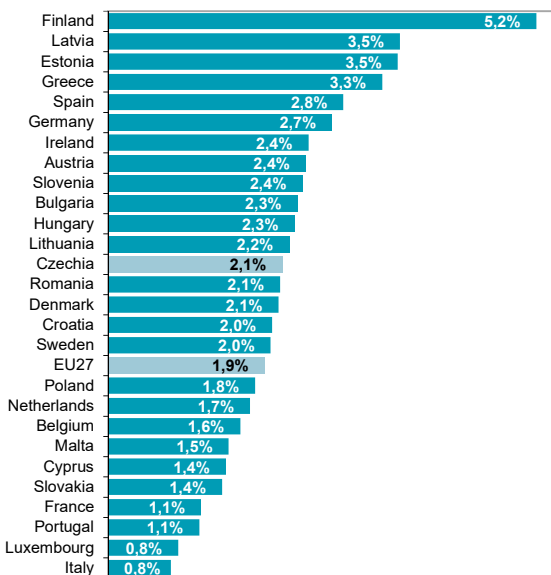
**Figure B4 Tertiary students of ICT; 2022**

(% of all tertiary students)



**Figure B5 Tertiary students of ICT; 2022**

(% of population aged 20 to 29 years)



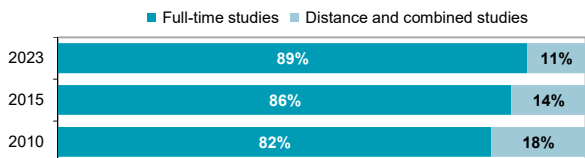
Source: CZSO calculation based on Eurostat database

## B ICT students and graduates

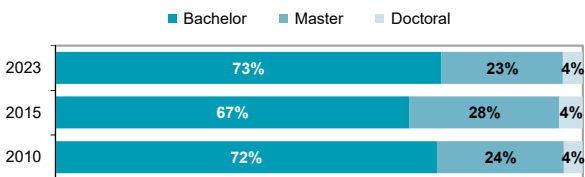
**Table B2 University students of ICT fields of education in Czechia by selected characteristics**

	Number of students		
	2021	2022	2023
<b>Total</b>	<b>22 442</b>	<b>23 494</b>	<b>24 515</b>
Students of public universities	21 617	22 639	23 478
Students of private universities	828	861	1 053
<b>Studies</b>			
Full-time studies	19 653	20 926	21 834
Distance and combined studies	2 803	2 586	2 716
<b>Study programme</b>			
Bachelor	16 330	17 200	17 959
Master	5 188	5 411	5 637
Doctoral	931	893	925
<b>Field of study</b>			
Software and applications development and analysis	16 131	17 467	18 603
Database and network design and administration	1 097	945	938
Inter-disciplinary and other ICT fields	5 257	5 114	5 029

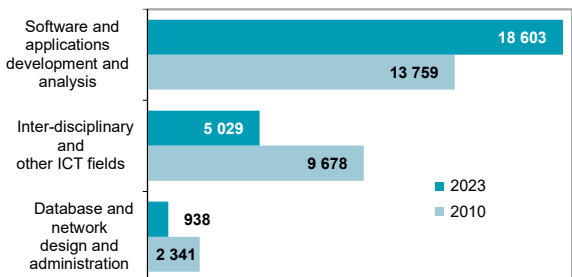
**Figure B6 University students of ICT, by studies**



**Figure B7 University students of ICT, by study programme**



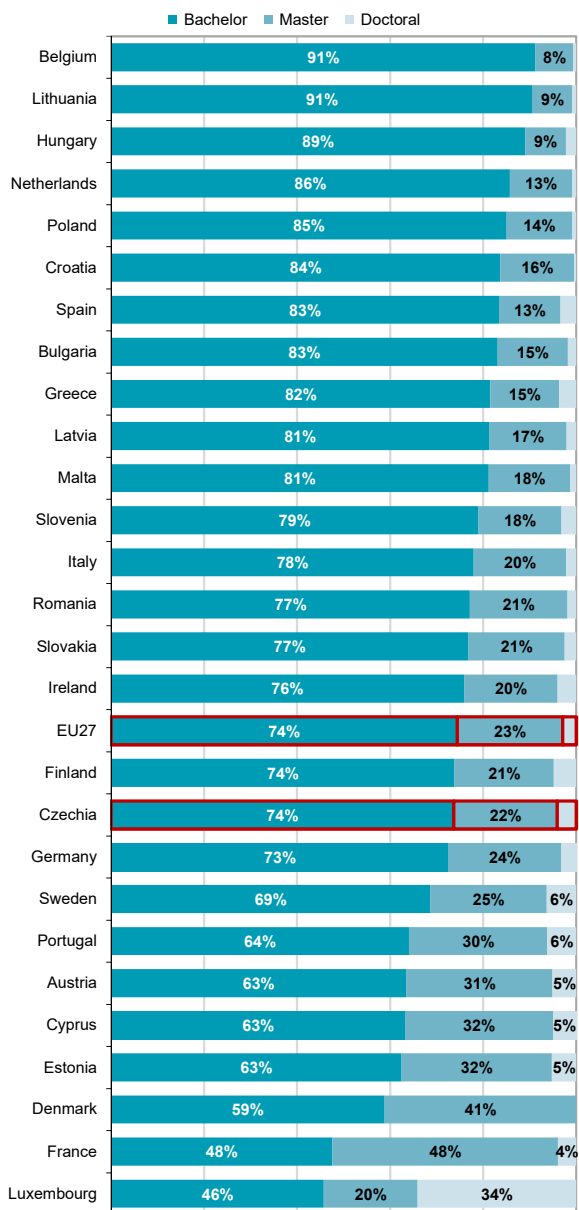
**Figure B8 University students of ICT, by field of study**



Source: CZSO calculation based on MEYS database

## B ICT students and graduates

Figure B9 Tertiary students of ICT field of education by study programme; 2022



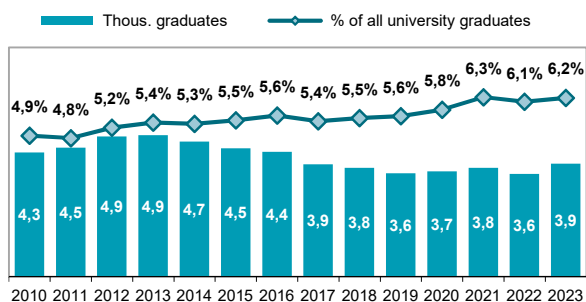
Source: CZSO calculation based on Eurostat database

## B ICT students and graduates

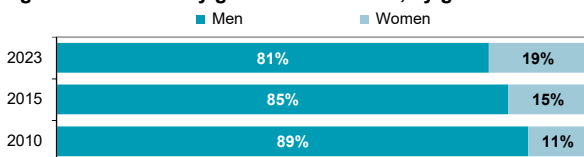
**Table B3 University graduates from ICT fields of education in Czechia by gender, age and citizenship**

	Number of graduates		
	2021	2022	2023
<b>Total</b>	<b>3 801</b>	<b>3 585</b>	<b>3 947</b>
Men	3 091	2 962	3 216
Women	710	623	731
<b>Age</b>			
20-24 years	2 039	1 936	2 057
25-29 years	1 525	1 383	1 590
30-34 years	135	154	174
35 + years	102	112	126
<b>Citizenship</b>			
Czech citizens	2 786	2 579	2 846
<b>Foreigners, total</b>	<b>1 015</b>	<b>1 006</b>	<b>1 101</b>
Slovakia	721	683	679
Russia	89	111	126
Ukraine	61	58	74
other countries	144	154	222

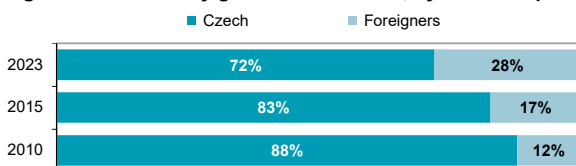
**Figure B10 University graduates from ICT fields of education**



**Figure B11 University graduates from ICT, by gender**



**Figure B12 University graduates from ICT, by citizenship**

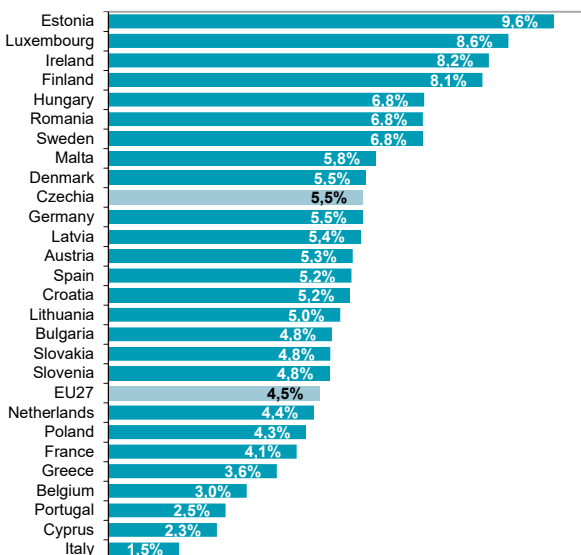


Source: CZSO calculation based on MEYS database

## B ICT students and graduates

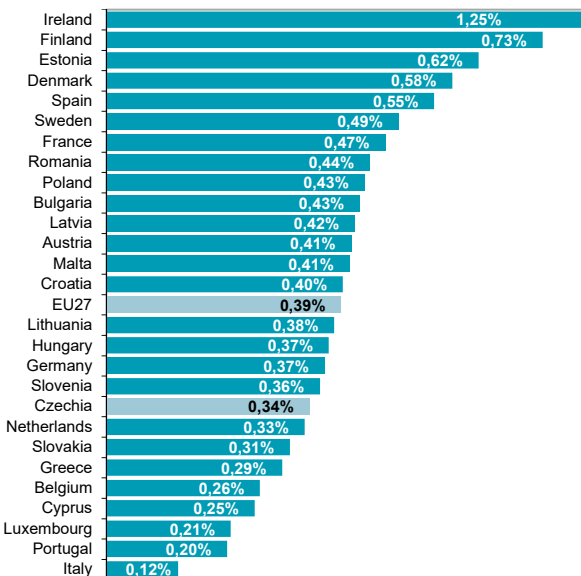
**Figure B13 Tertiary graduates from ICT; 2022**

(% of all tertiary graduates)



**Figure B14 Tertiary graduates from ICT; 2022**

(% of population aged 20 to 29 years)



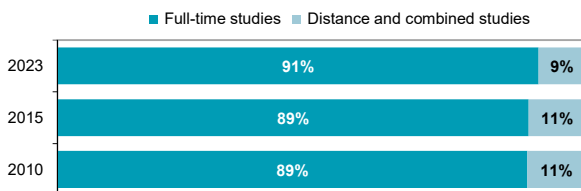
Source: CZSO calculation based on Eurostat database

## B ICT students and graduates

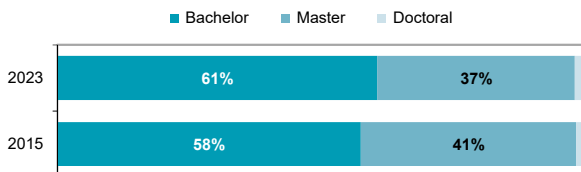
**Table B4 University graduates from ICT fields of education in Czechia by selected characteristics**

	Number of graduates		
	2021	2022	2023
<b>Total</b>	<b>3 801</b>	<b>3 585</b>	<b>3 947</b>
Graduates from public universities	3 732	3 535	3 875
Graduates from private universities	69	50	72
<b>Studies</b>			
Full-time studies	3 503	3 269	3 602
Distance and combined studies	298	316	345
<b>Study programme</b>			
Bachelor	2 241	2 197	2 395
Master	1 497	1 302	1 477
Doctoral	63	86	75
<b>Field of study</b>			
Software and applications development and analysis	2 011	2 264	2 663
Database and network design and administration	431	279	240
Inter-disciplinary and other ICT fields	1 268	913	841

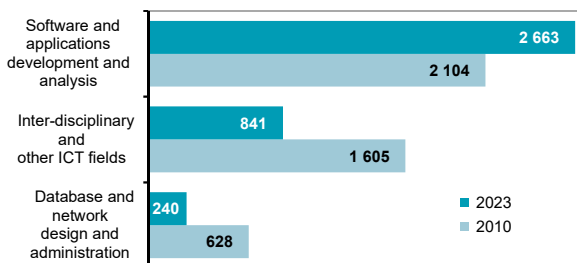
**Figure B15 University graduates from ICT, by studies**



**Fig. B16 University graduates from ICT, by study programme**



**Figure B17 University graduates from ICT fields of education in Czechia, by field of study**

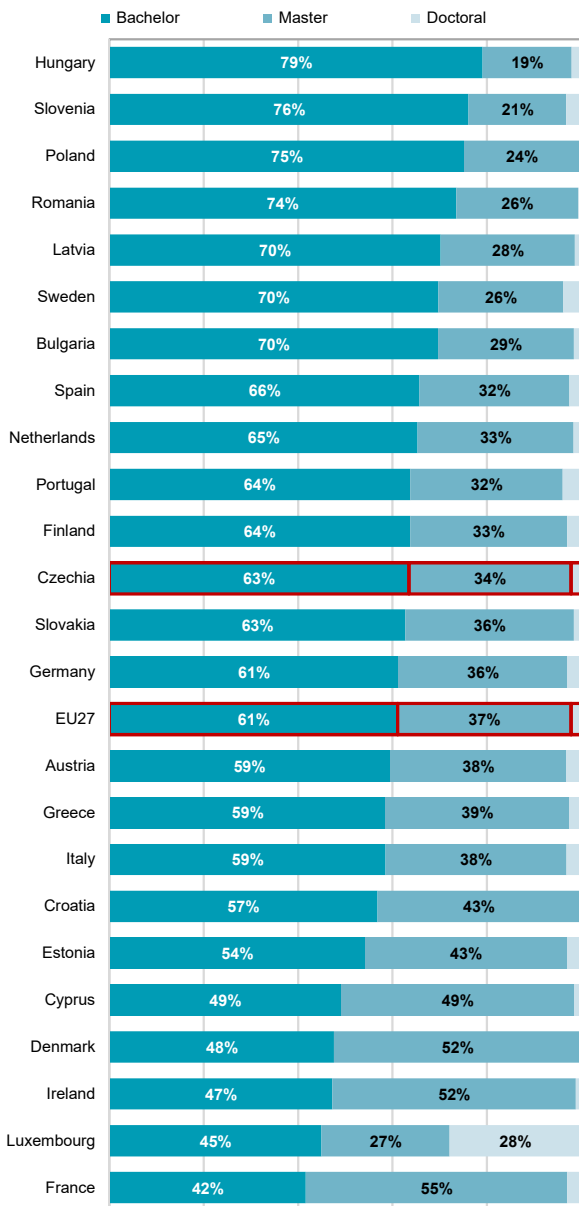


Source: CZSO calculation based on MEYS database



## B ICT students and graduates

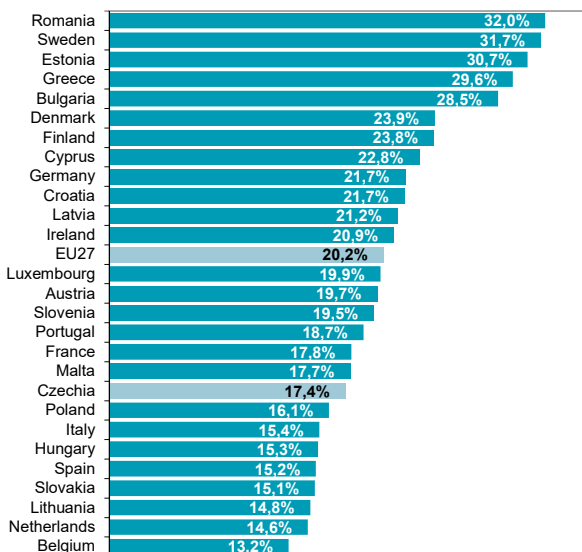
Figure B18 University graduates from ICT, by study programme; 2022



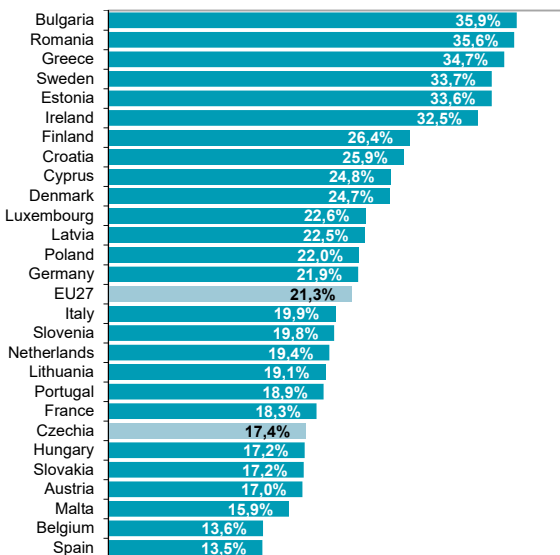
Source: CZSO calculation based on Eurostat database

## B ICT students and graduates

**Figure B19 Share of women among all tertiary students of ICT fields of education; 2022**



**Figure B20 Share of women among all tertiary graduates from ICT fields of education; 2022**



Source: CZSO calculation based on Eurostat database