

## Chapter B: ICT students and graduates

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:

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 **Inter-disciplinary and other ICT fields**.*

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

<https://unesdoc.unesco.org/ark:/48223/pf0000235049>

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 calendar 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:**

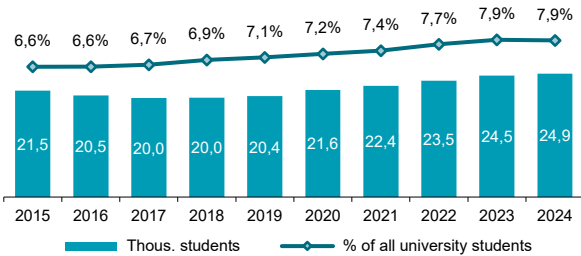
<https://csu.gov.cz/students-of-ict-fields>

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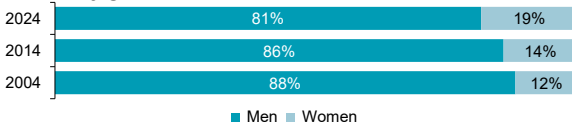
**Table B.1 University students of ICT fields of education in Czechia by gender, age and citizenship**

	Number of students		
	2022	2023	2024
<b>Total</b>	<b>23 494</b>	<b>24 508</b>	<b>24 933</b>
Men	19 318	20 111	20 315
Women	4 176	4 397	4 618
<b>Age</b>			
Under 20 years	3 039	3 056	3 021
20-24 years	15 303	16 133	16 780
25-29 years	3 554	3 642	3 562
30-34 years	884	900	837
35 + years	714	777	733
<b>Citizenship</b>			
<b>Czech citizens, total</b>	<b>15 895</b>	<b>16 540</b>	<b>16 974</b>
Men	13 530	14 034	14 255
Women	2 365	2 506	2 719
<b>Foreigners, total</b>	<b>7 599</b>	<b>7 968</b>	<b>7 960</b>
Slovakia	3 146	3 304	3 417
Ukraine	1 082	1 255	1 398
Russia	1 340	1 161	931
other countries	2 031	2 248	2 214

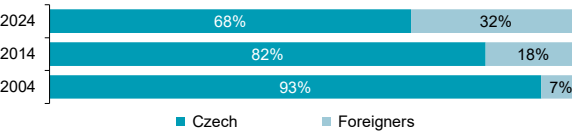
**Chart B.1 University students of ICT fields of education in Czechia**



**Chart B.2 University students of ICT fields of education in Czechia by gender**



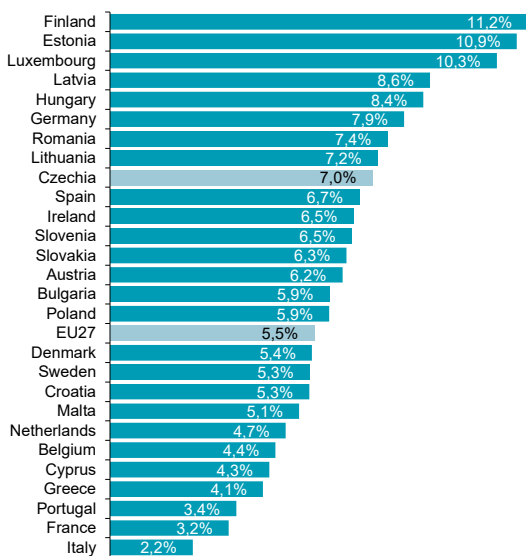
**Chart B.3 University students of ICT fields of education in Czechia by citizenship**



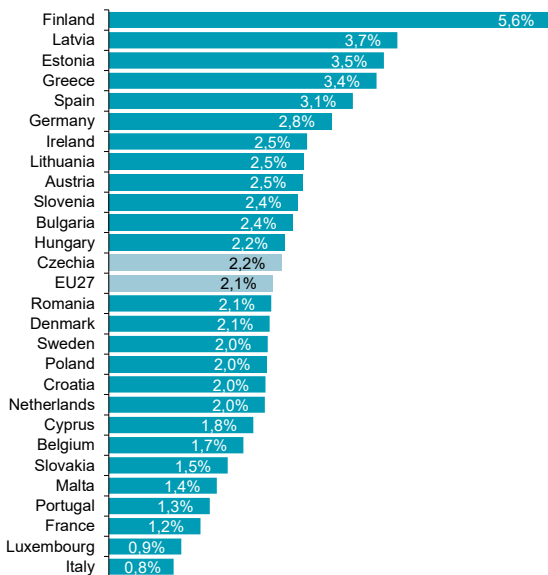
Source: Czech Statistical Office calculation based on MEYS database

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**Chart B.4 Tertiary students of ICT fields of education in 2023 (% of all tertiary students)**



**Chart B.5 Tertiary students of ICT fields of education in 2023 (% of population aged 20 to 29 years)**



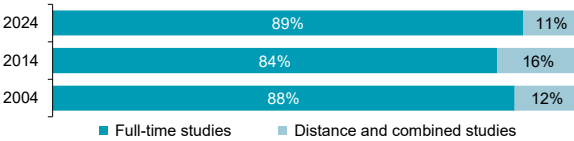
Source: Eurostat and Czech Statistical Office own calculations

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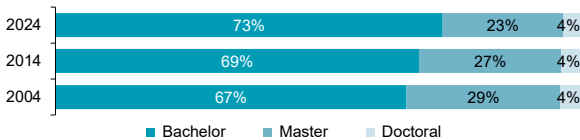
**Table B.2 University students of ICT fields of education in Czechia by selected characteristics**

	Number of students		
	2022	2023	2024
<b>Total</b>	<b>23 494</b>	<b>24 508</b>	<b>24 933</b>
Students of public universities	22 639	23 471	23 846
Students of private universities	861	1 053	1 100
<b>Studies</b>			
Full-time studies	20 926	21 828	22 279
Distance and combined studies	2 586	2 715	2 680
<b>Study programme</b>			
Bachelor	17 200	17 953	18 319
Master	5 411	5 635	5 692
Doctoral	893	926	932
<b>Field of study</b>			
Software and applications development and analysis	17 467	18 598	18 910
Database and network design and administration	945	937	956
Inter-disciplinary and other ICT fields	5 114	5 028	5 109

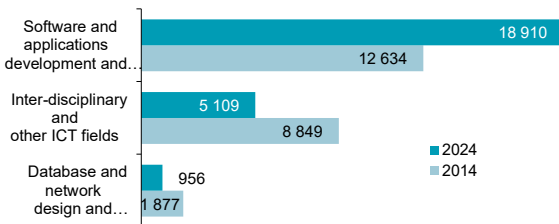
**Chart B.6 University students of ICT fields of education in Czechia by studies**



**Chart B.7 University students of ICT fields of education in Czechia by study programme**



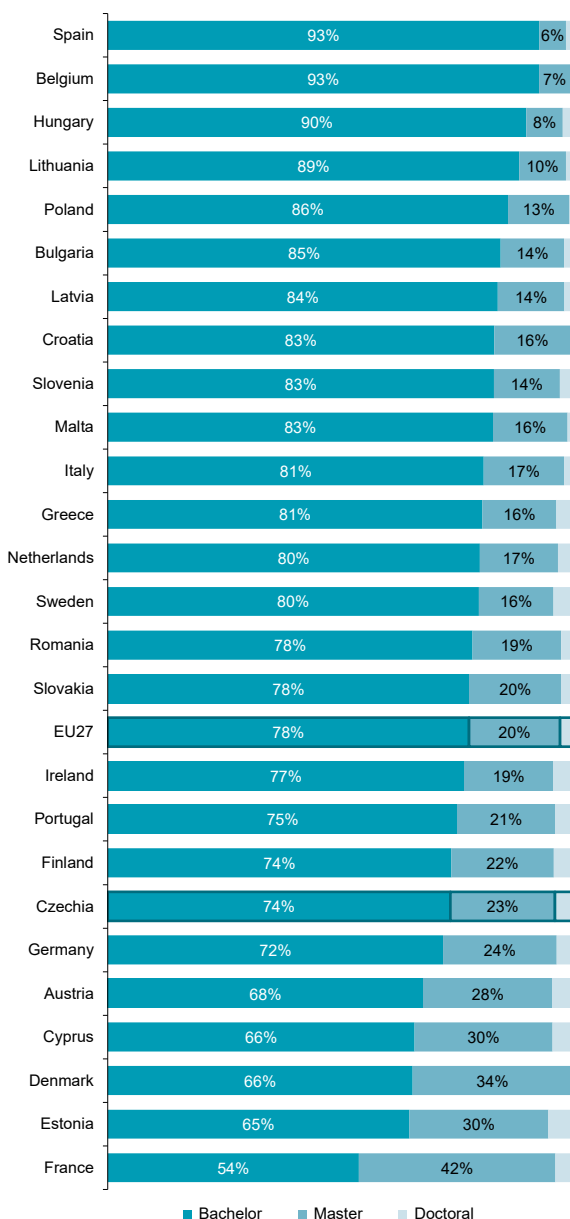
**Chart B.8 University students of ICT fields of education in Czechia by field of study**



Source: Czech Statistical Office calculation based on MEYS database

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**Chart B.9 Tertiary students of ICT fields of education by study programme in 2023**



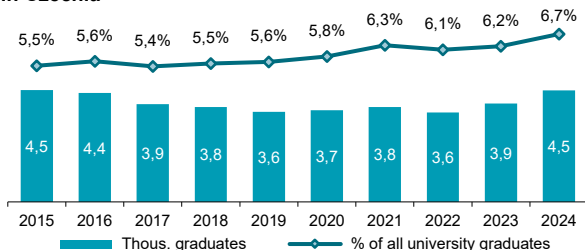
Source: Eurostat and Czech Statistical Office own calculations

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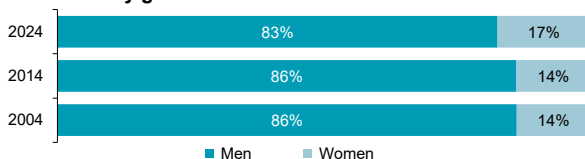
**Table B.3 University graduates from ICT fields of education in Czechia by gender, age and citizenship**

	Number of graduates		
	2022	2023	2024
<b>Total</b>	<b>3 585</b>	<b>3 947</b>	<b>4 466</b>
Men	2 962	3 216	3 689
Women	623	731	777
<b>Age</b>			
20-24 years	1 936	2 057	2 253
25-29 years	1 383	1 590	1 789
30-34 years	154	174	261
35 + years	112	126	162
<b>Citizenship</b>			
<b>Czech citizens, total</b>	<b>2 579</b>	<b>2 846</b>	<b>3 165</b>
Men	2 206	2 417	2 691
Women	373	429	474
<b>Foreigners, total</b>	<b>1 006</b>	<b>1 101</b>	<b>1 301</b>
Slovakia	683	679	710
Russia	111	126	167
Ukraine	58	74	104
other countries	154	222	320

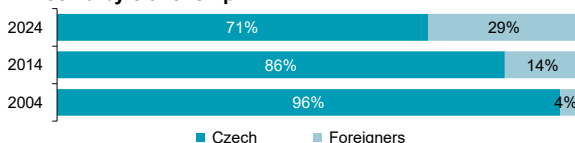
**Chart B.10 University graduates from ICT fields of education in Czechia**



**Chart B.11 University graduates from ICT fields of education in Czechia by gender**



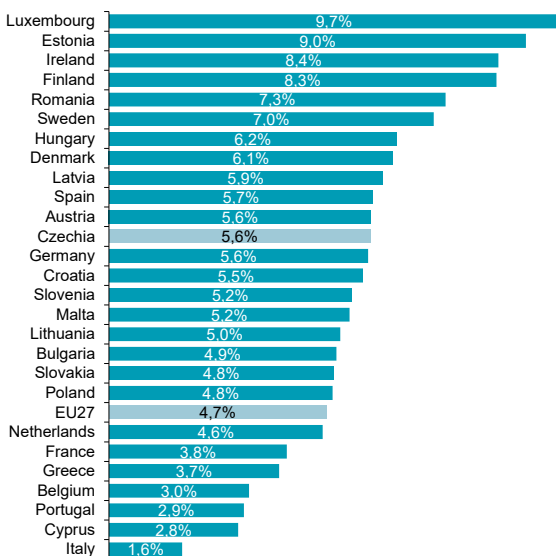
**Chart B.12 University graduates from ICT fields of education in Czechia by citizenship**



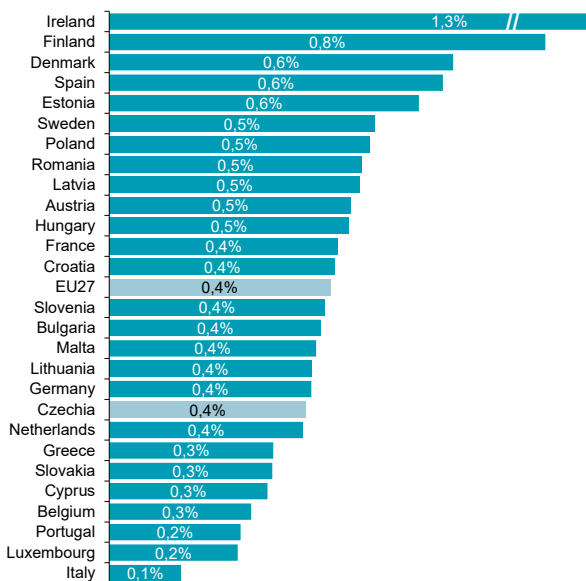
Source: Czech Statistical Office calculation based on MEYS database

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**Chart B.13 Tertiary graduates from ICT fields of education in 2023 (% of all tertiary graduates)**



**Graf B14 Tertiary graduates from ICT fields of education in 2023 (% of population aged 20 to 29 years)**



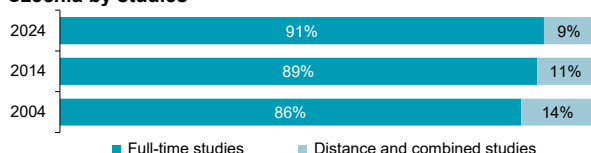
Source: Eurostat and Czech Statistical Office own calculations

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**Table B.4 University graduates from ICT fields of education in Czechia by selected characteristics**

	Number of graduates		
	2022	2023	2024
<b>Total</b>	<b>3 585</b>	<b>3 947</b>	<b>4 466</b>
Graduates from public universities	3 535	3 875	4 339
Graduates from private universities	50	72	127
<b>Studies</b>			
Full-time studies	3 269	3 602	4 046
Distance and combined studies	316	345	420
<b>Study programme</b>			
Bachelor	2 197	2 395	2 664
Master	1 302	1 477	1 686
Doctoral	86	75	116
<b>Field of study</b>			
Software and applications development and analysis	2 264	2 663	3 133
Database and network design and administration	279	240	244
Inter-disciplinary and other ICT fields	1 042	1 044	1 091

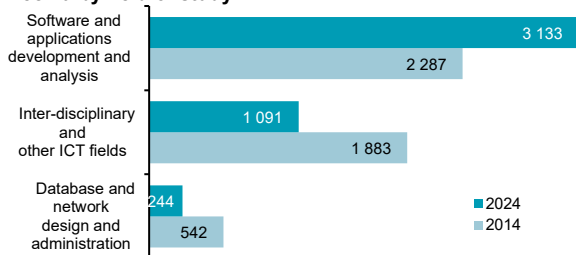
**Chart B.15 University graduates from ICT fields of education in Czechia by studies**



**Chart B.16 University graduates from ICT fields of education in Czechia by study programme**



**Chart B.17 University graduates from ICT fields of education in Czechia by field of study**

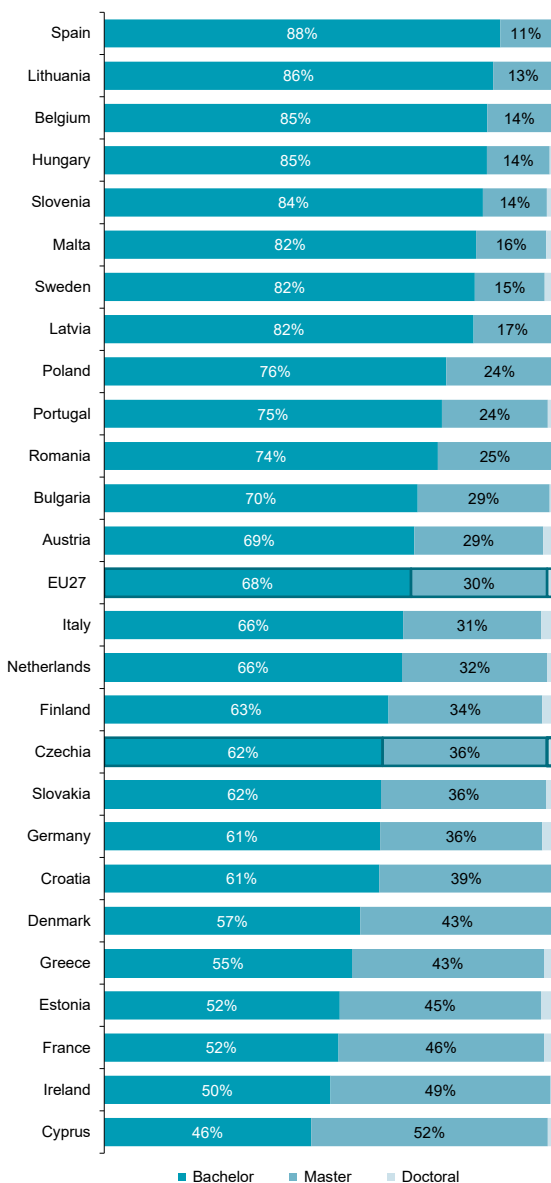


Source: Czech Statistical Office calculation based on MEYS database



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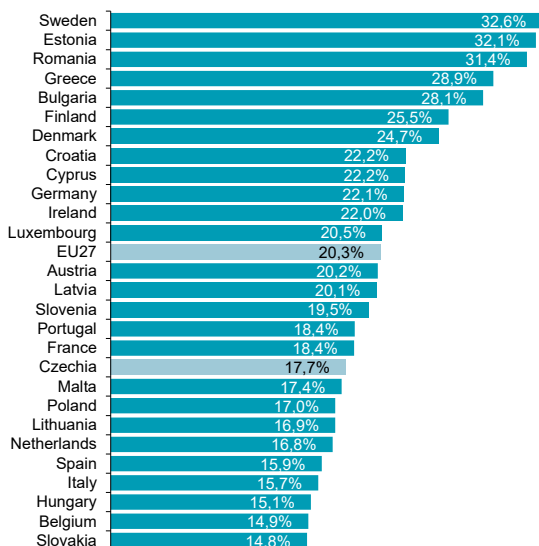
**Chart B.18 Tertiary graduates from ICT fields of education by study programme in 2023**



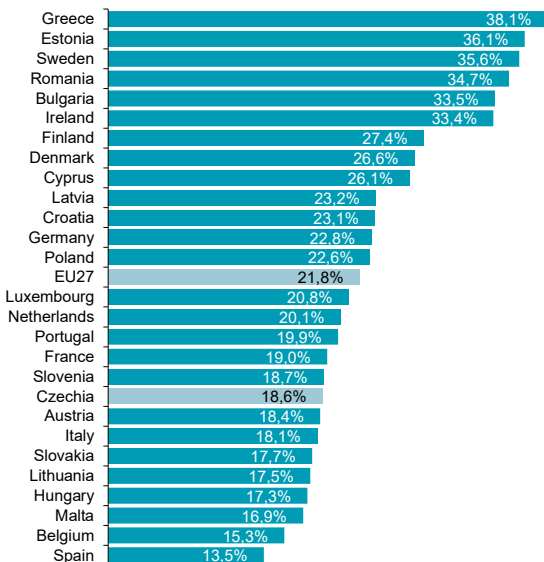
Source: Eurostat and Czech Statistical Office own calculations

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**Chart B.19 Share of women among all tertiary students of ICT fields of education in 2023**



**Chart B.20 Share of women in EU countries among all tertiary graduates from ICT fields of education in 2023**



Source: Eurostat and Czech Statistical Office own calculations