

# 9. Technical Education



**60,481**  
Technical students

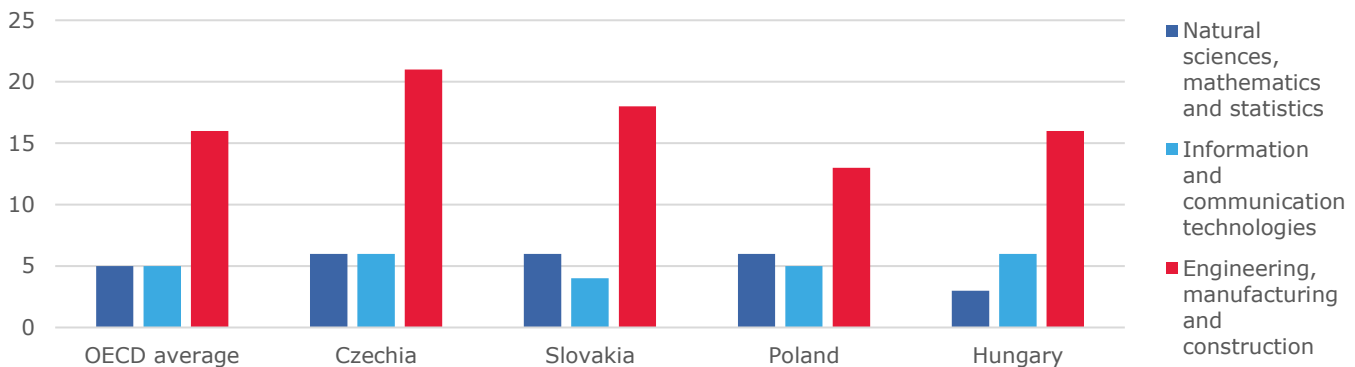


**12,068**  
Technical graduates

For many years the former Czechoslovakia produced the highest percentage of science and technical graduates in the world. This tradition continues in Czechia: in 2008 the proportion of university degrees awarded in science-related fields (engineering, manufacturing and construction) was among the highest in Europe. The government is committed to sustaining this by maintaining or increasing funding in these areas.

## Distribution of tertiary graduates by technical fields of study, %

The highest number of technically educated graduates in the CEE region



Source: Education at a Glance, OECD, 2024

## Secondary technical schools and vocational training centres

**Secondary technical schools** (Střední průmyslová škola) and **Integrated secondary schools** (Integrovaná střední škola) take students to a relatively high professional level through a mixture of general education courses, theoretical classes and practical training in particular fields such as general machinery, textile machinery, agricultural machinery, chemical engineering and electrical engineering, among others. Students finish their secondary education by sitting for the *maturita* (graduation) exam, which entitles them to apply for technical colleges and universities.

**Vocational training centres** (Střední odborné učiliště) provide more work-based training over three to four years in specialised fields (e.g. high-voltage electricity, textile machinery or automotive electronics). Extensive practical training at companies is a major part of the curriculum. Three-year programmes are concluded with an apprenticeship exam. In certain cases, students may opt for a higher course of study (four years instead of three) which, alongside practical training, also provides extensive general education. In this case students also sit for the *maturita* exam.

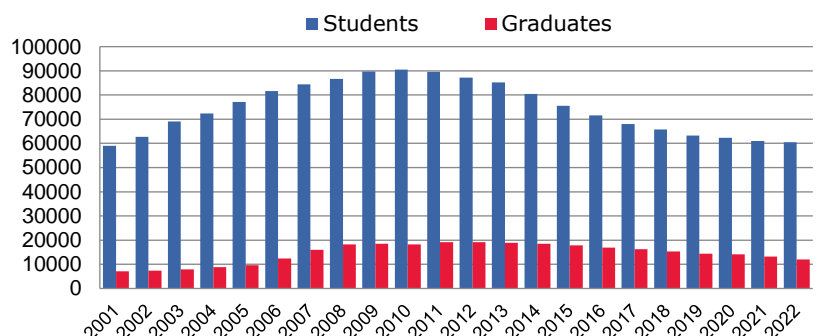
## Higher professional schools (technické vyšší odborné školy)

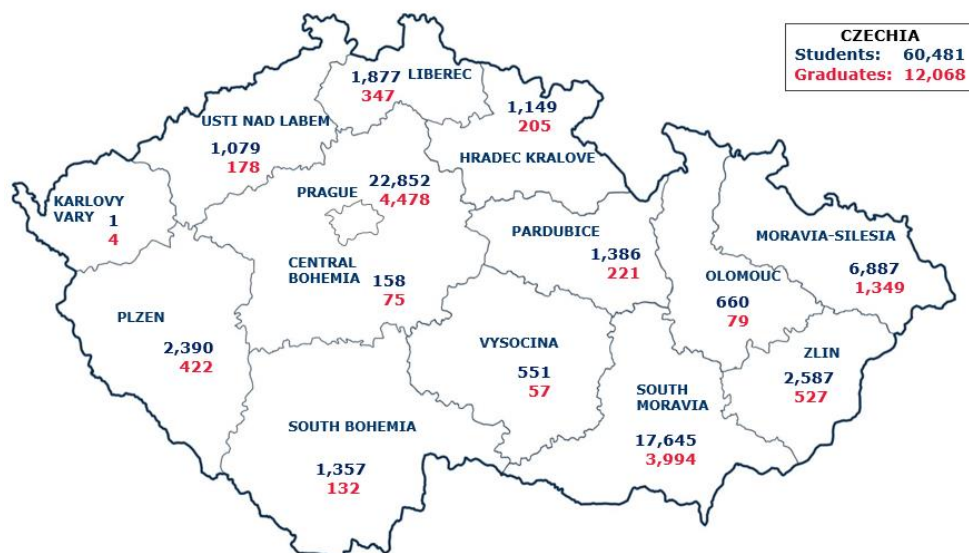
Equivalent to German *Fachhochschulen*, higher professional schools are usually located on the same campus and share resources with secondary technical schools. They usually provide a three-year technical education after completion of secondary education. Higher professional schools currently do not have the status of universities.

## Universities

There are currently almost 80,000 technical university students and students who study technical subjects at other universities. Almost 17,000 university graduates in technical and scientific subjects enter the workforce every year.

Source: Ministry of Education, Youth and Sport, CzechInvest, 2024





Source: Ministry of Education, Youth and Sport, CzechInvest, 2024

## Czech technical universities, 2022

University	Students	Graduates	PhD students
Brno University of Technology	13,661	3,178	1,233
Czech Technical University in Prague	12,562	2,834	1,439
VSB - Technical University of Ostrava	6,259	1,356	653
Czech University of Life Sciences Prague	4,068	666	96
Tomas Bata University in Zlin	2,588	529	189
The University of West Bohemia Plzen	2,390	422	350
University of Economics Prague	2,276	402	26
Masaryk University, Brno	2,254	452	91
University of Chemistry and Technology Prague	1,879	468	454
Technical University of Liberec	1,877	347	224
Mendel University of Brno	1,737	364	43
University of Pardubice	1,386	221	112
Charles University in Prague	1,349	130	144
University of Hradec Kralove	1,147	203	43
The Institute of Technology and Business in Ceske Budejovice	929	73	0
Jan Evangelista Purkyne University in Usti nad Labem	840	103	53
Unicorn College, Prague	657	31	0
Palacky University Olomouc	586	61	21
College of Polytechnics Jihlava	551	57	0
Silesian University Opava	540	41	3
University of South Bohemia in Ceske Budejovice	429	59	0
University of Ostrava	371	33	14
The University of Finance and Administration, Prague	192	19	0
Architectural Institute in Prague (ARCHIP)	95	19	0
<b>TOTAL</b>	<b>60,481</b>	<b>12,068</b>	<b>5,188</b>

Source: Ministry of Education, Youth and Sport, 2024