

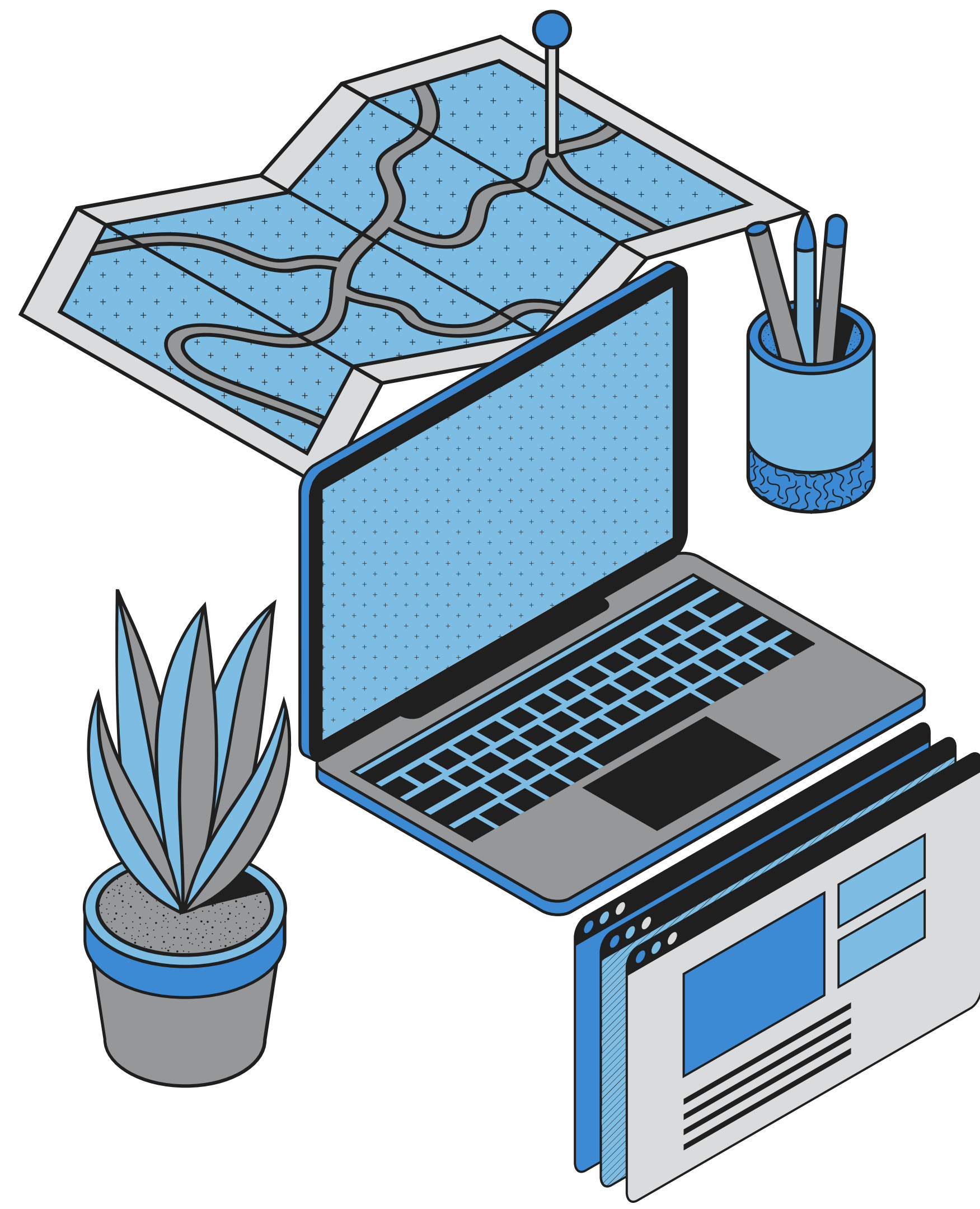


הלשכה המרכזית לסטטיסטיקה  
Central Bureau of Statistics  
دائرة الإحصاء المركزية

# Vocational education, skills and everything in between

The existing official statistics in Israel

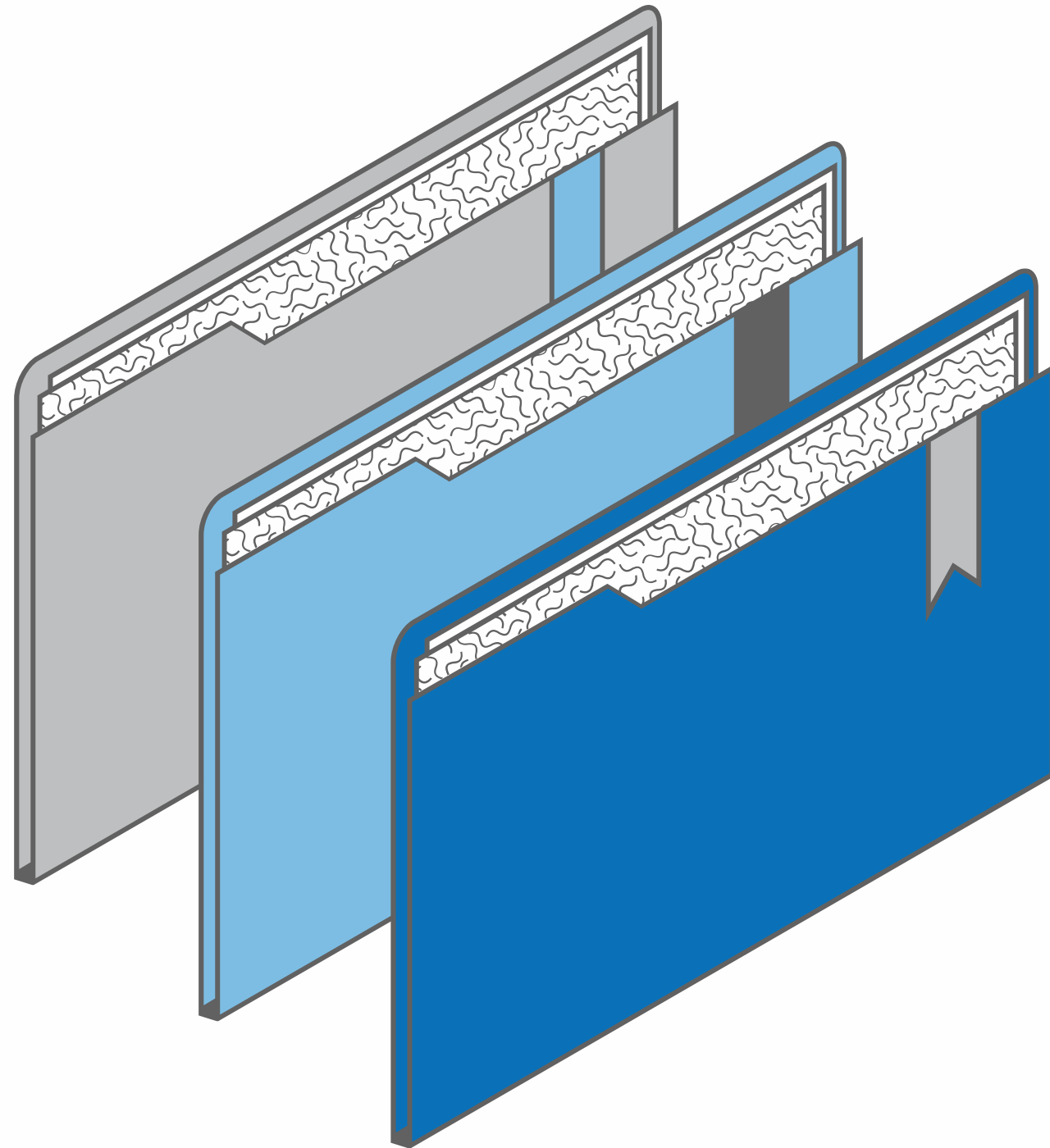
**Sophie Artsev**  
Senior Director  
Education Statistics Sector  
Central Bureau of Statistics



# Agenda

## KEY TOPICS IN THIS PRESENTATION

- [Vocational education and training](#)
- [A fragmented \(vocational\) education system](#)
- [Some of the available statistics](#)
- [The NQF and its role](#)



# Vocational Education and Training (VET)

VET programs prepare participants for direct entry into specific occupations.

Successful completion of such programs leads to a qualification that is relevant to the labor market.

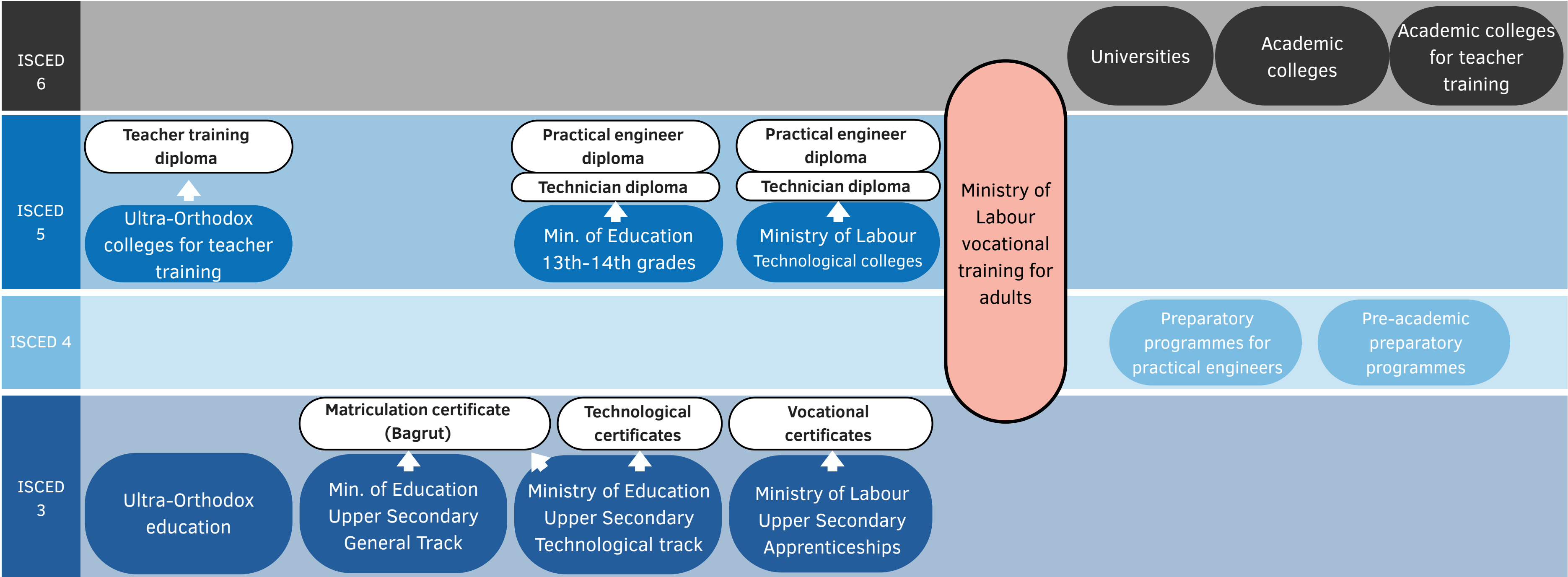


# A fragmented system

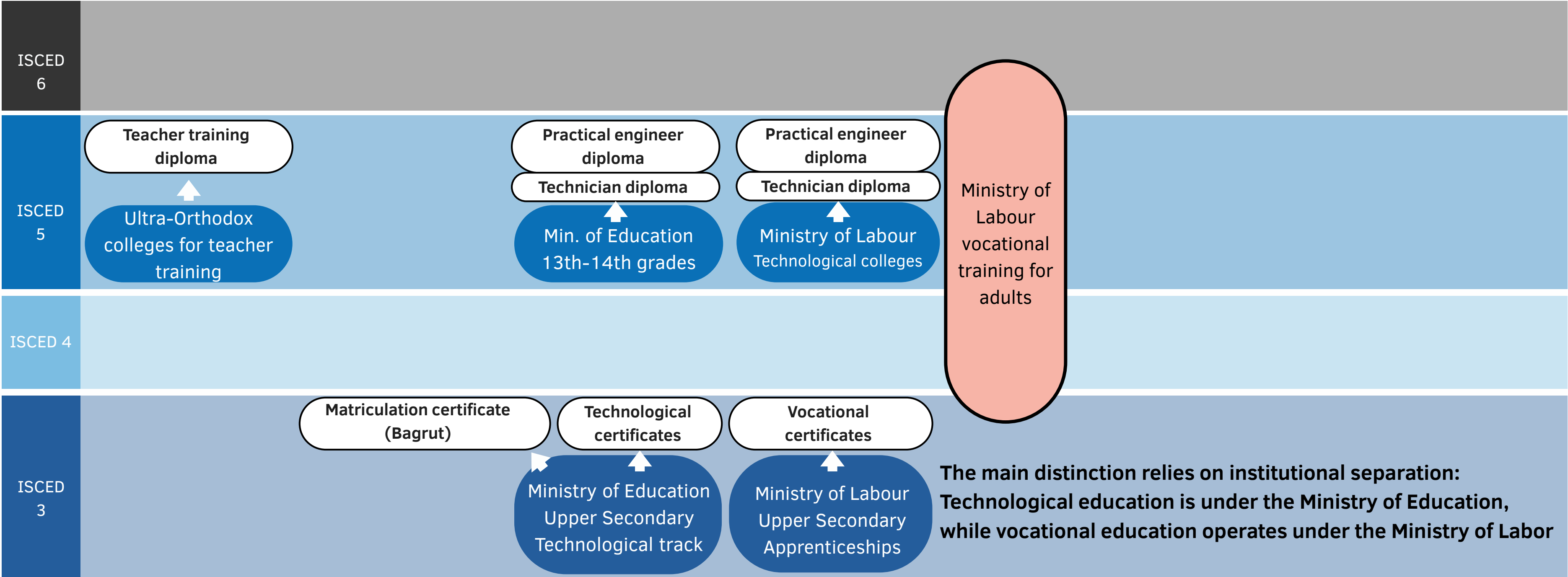
"...enhancing skills in Israel requires [...] building bridges between the various parts of the **fragmented school system**..." (p. 48)

"...the implementation of **adult training is fragmented** across the Ministry of Economy, the Israel Employment Service [...] and local training institutes. This calls for improved **coordination and mutual recognition** of training." (p. 75)

# Just how fragmented?



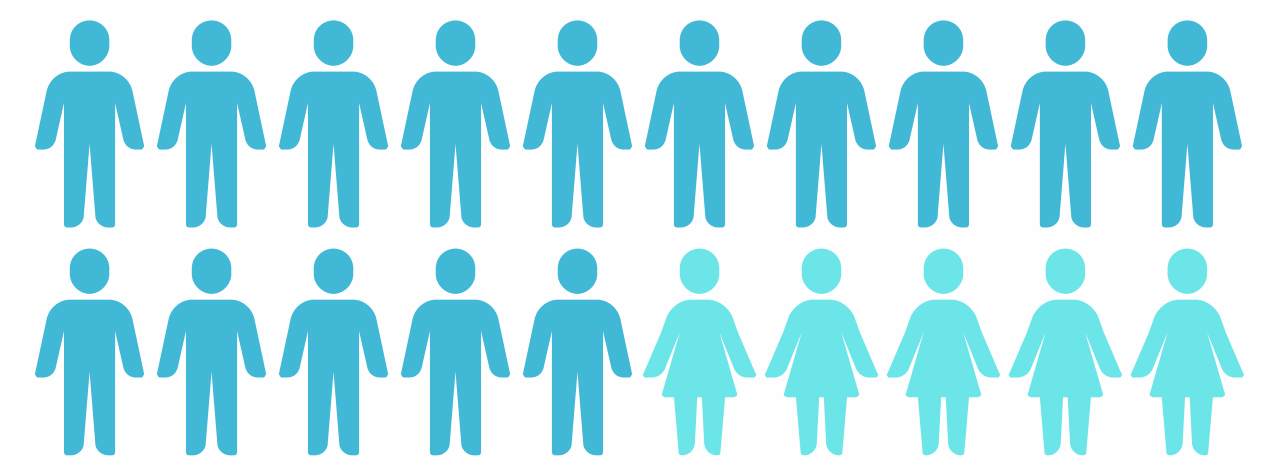
# Just how fragmented?



# Upper secondary Vocational education and training (VET)

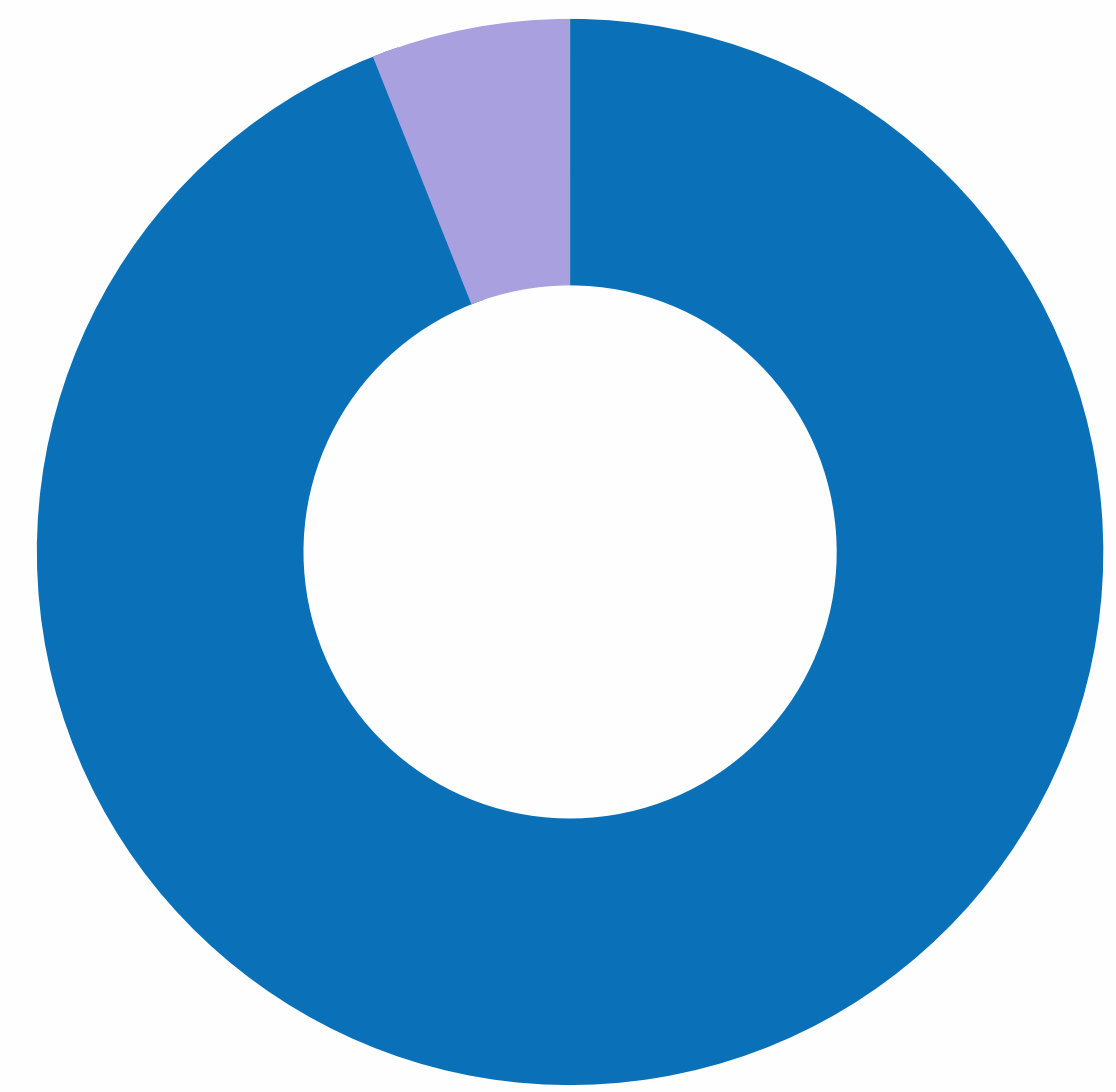
AS OF 2022

Thereof boys: 75%



Apprenticeships and industrial schools, Min. of Labour

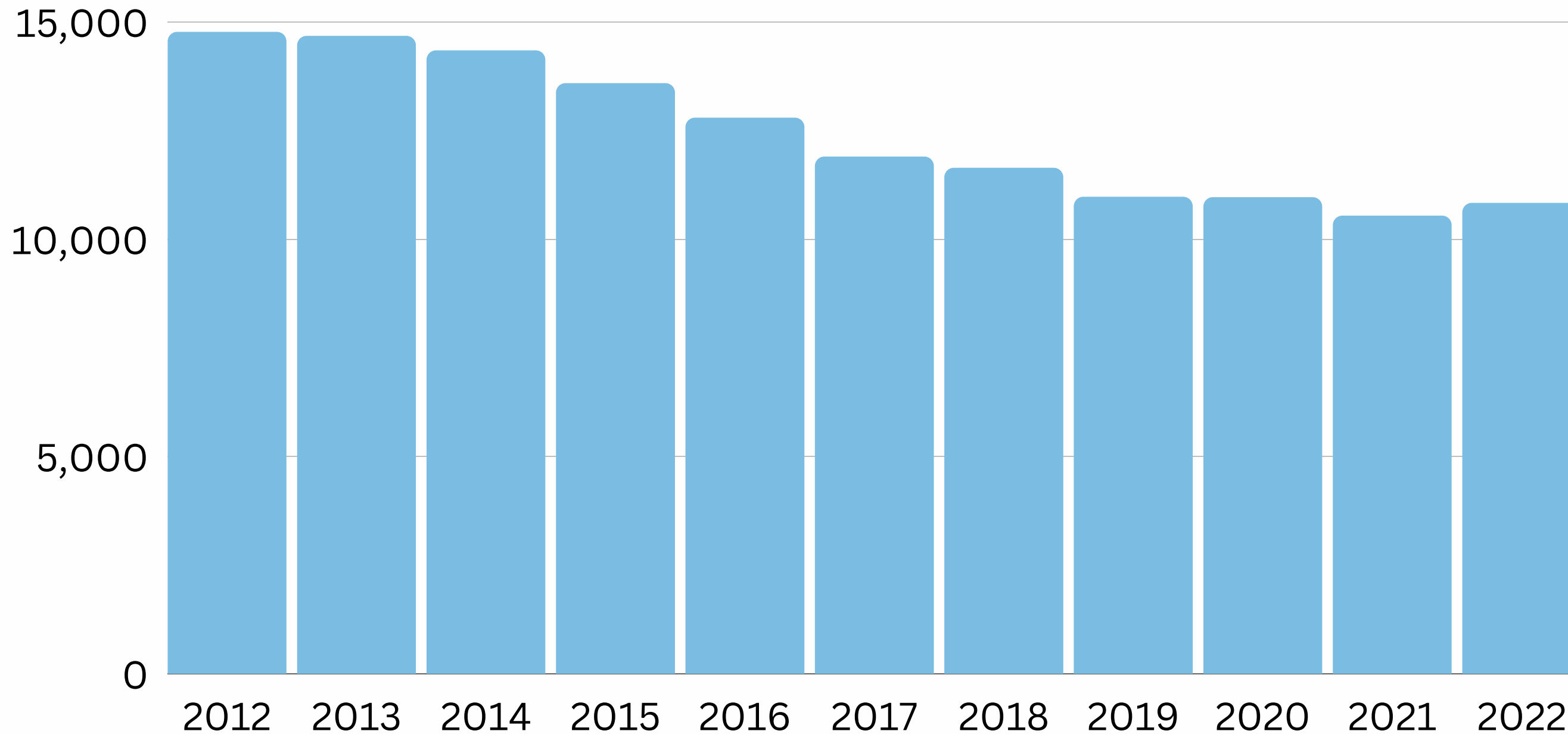
6%



Tech education, Min. of Education

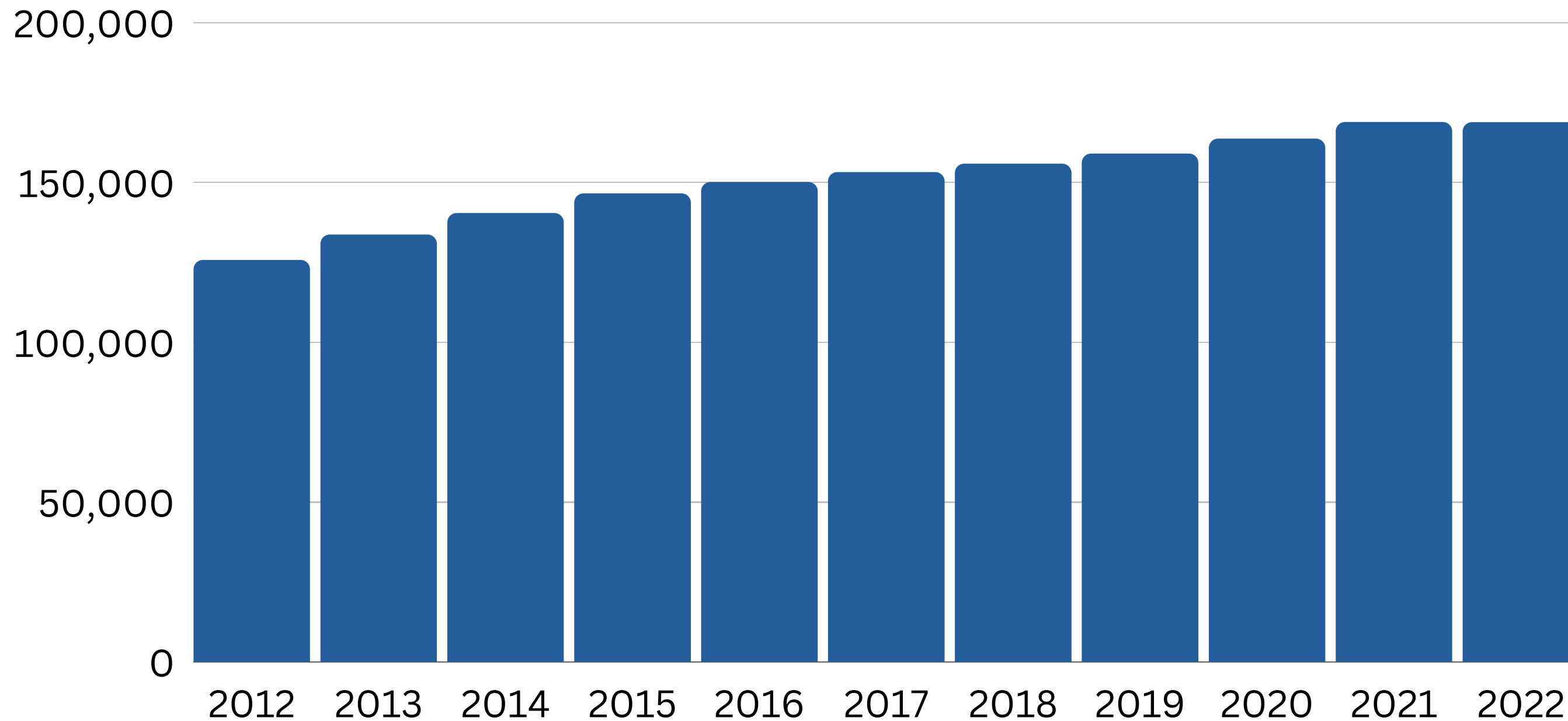
94%

# Students enrolled in upper secondary apprenticeships and industrial schools supervised by the **Ministry of Labour**



No growth has been registered in apprenticeship enrollments...

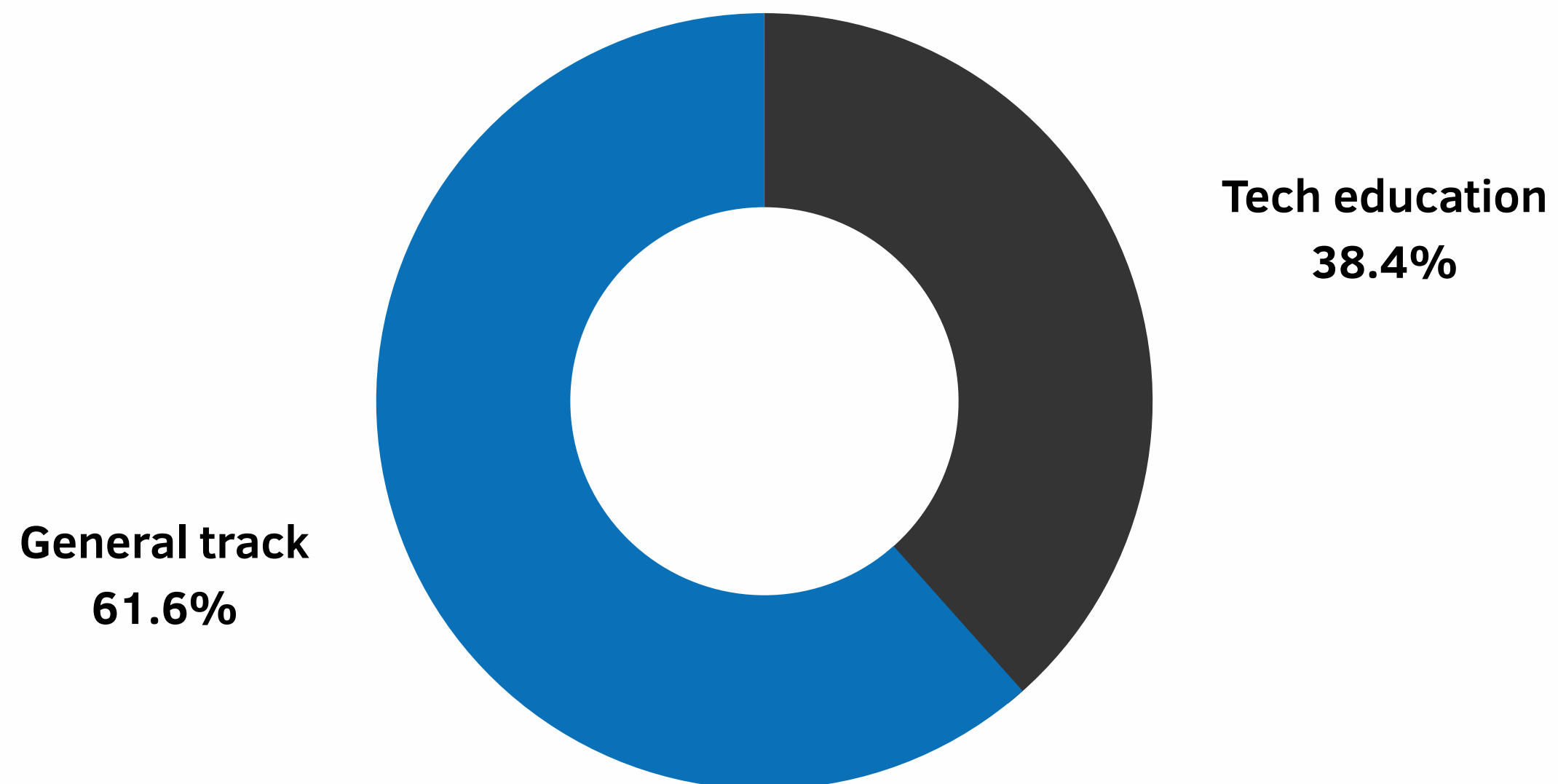
# Students enrolled in upper secondary technological education supervised by the Ministry of Education



...alongside a constant growth registered with the Ministry of Education's tech education

# Upper secondary Technological education supervised by the Ministry of Education

AS OF 2021, 39% OF 12TH GRADE  
STUDENTS WERE ENROLLED IN THE  
TECH TRACK





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# Our VET statistics keep expanding

## NEW DATA ON TECHNOLOGICAL CERTIFICATES

- Since 2020 ICBS has been able to enrich data on graduates of upper secondary tech education in MOE
- We now receive data on 12th grade graduates entitled to Technological Certificates



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# Two categories of technological certificates

Obtaining a **SCIENTIFIC TECHNOLOGICAL CERTIFICATE** requires eligibility to a Matriculation certificate (*Bagrut*)

...while a **PROFESSIONAL TECHNOLOGICAL CERTIFICATE** does not require previous eligibility to a Matriculation certificate

# Graduates of Ministry of Education 's Tech track, by type of certificate attained

AS OF 2021

Neither tech nor matriculation

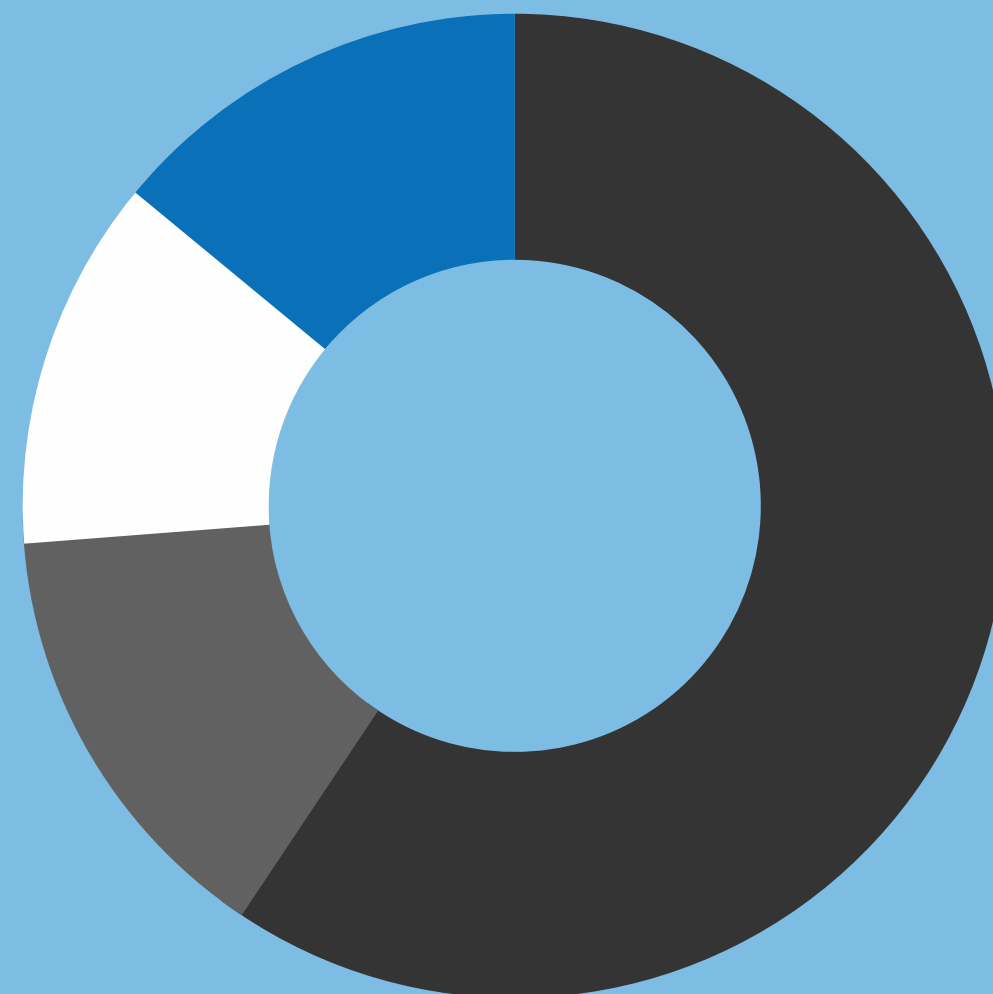
14%

Tech certificate

12.2%

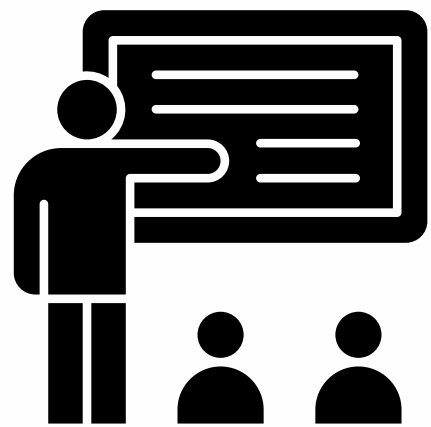
Matriculation

14.4%



Tech certificate + Matriculation

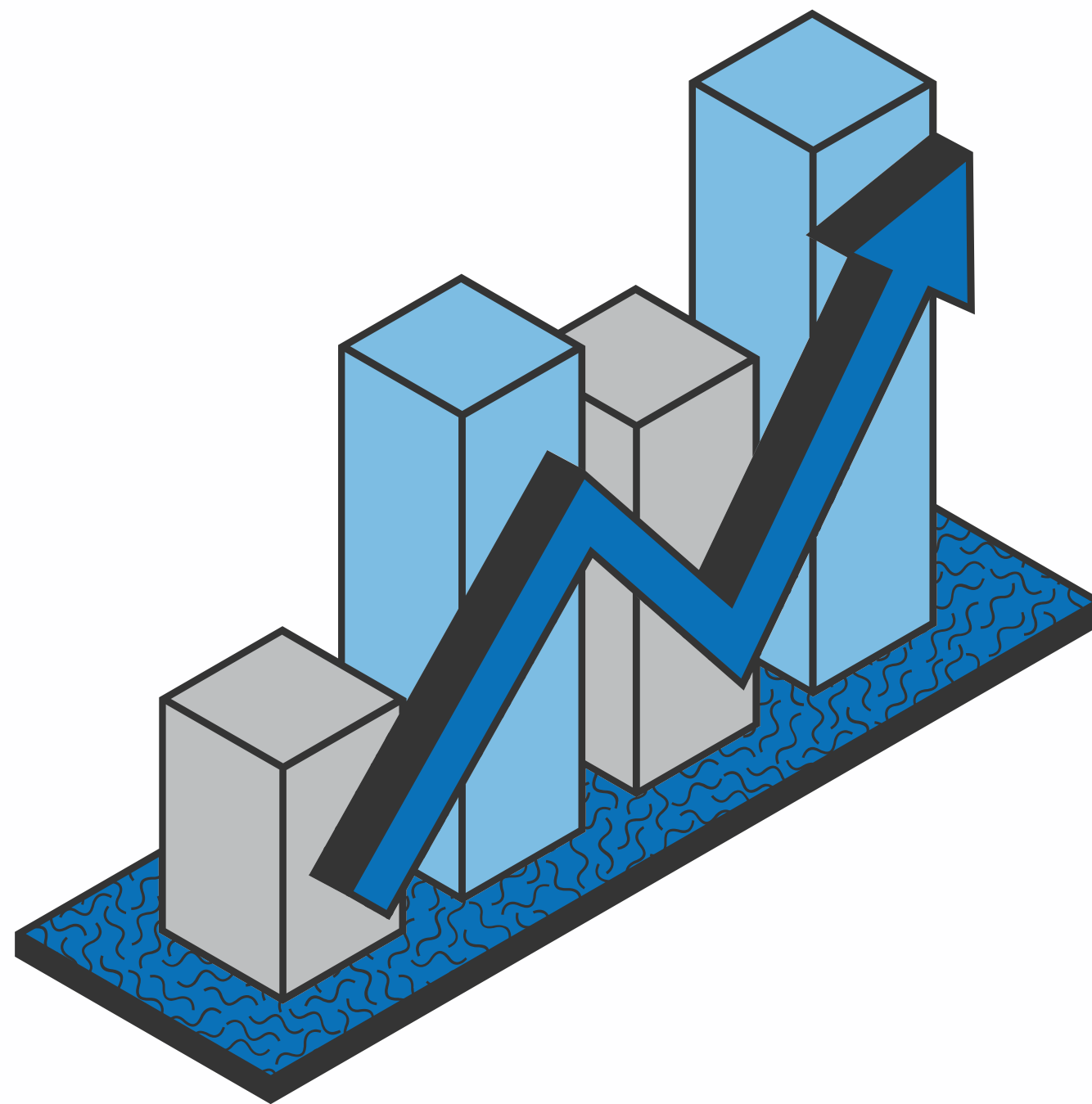
59.4%



# Short-cycle tertiary education

AKA

**POST-SECONDARY (NON-ACADEMIC) EDUCATION**



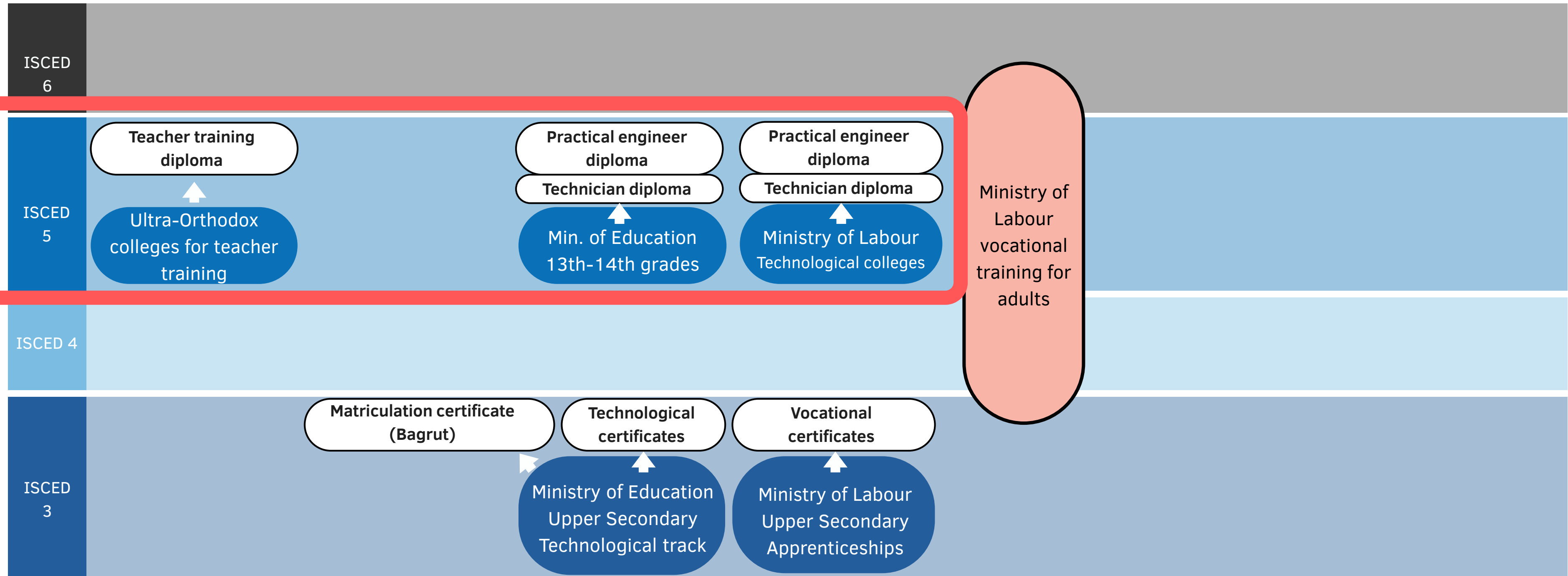
# Short-cycle tertiary education

DESIGNED TO PROVIDE PARTICIPANTS WITH PROFESSIONAL KNOWLEDGE, SKILLS AND COMPETENCIES. TYPICALLY, THEY ARE PRACTICALLY BASED, OCCUPATION-SPECIFIC AND PREPARE STUDENTS TO ENTER THE LABOR MARKET DIRECTLY. MINIMUM DURATION IS TWO YEARS.

***[ISCED 2011 LEVEL 5]***

Official statistics include studies towards a certificate (not an academic degree) awarded by a recognized post-secondary institution under government supervision (e.g. Ministry of Labour, Ministry of Education)

# Main programmes and qualifications at this level



# Some figures on short-cycle tertiary students

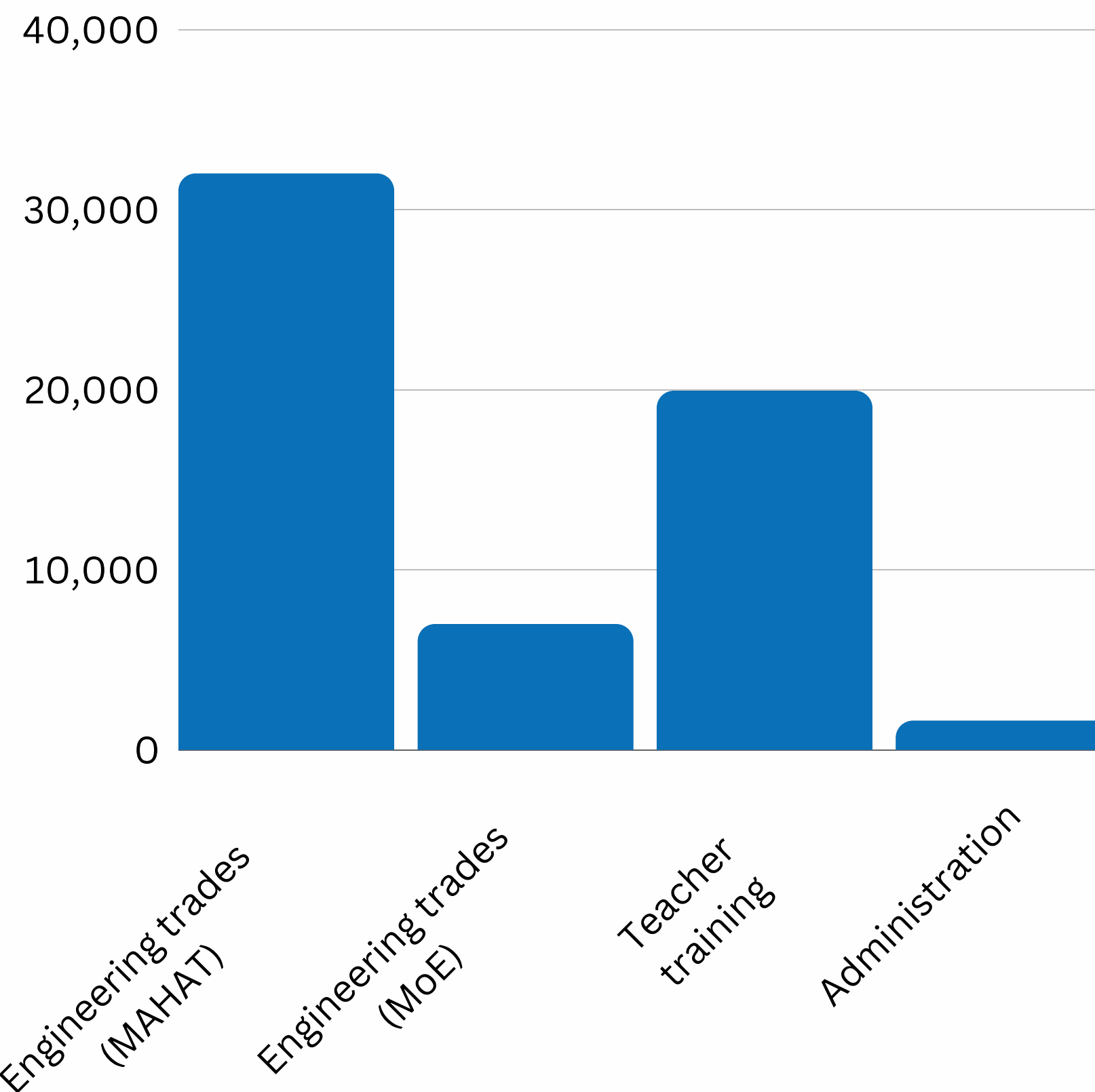
AS OF 2022



**30,462**



**30,028**



# Some figures on short-cycle tertiary graduates

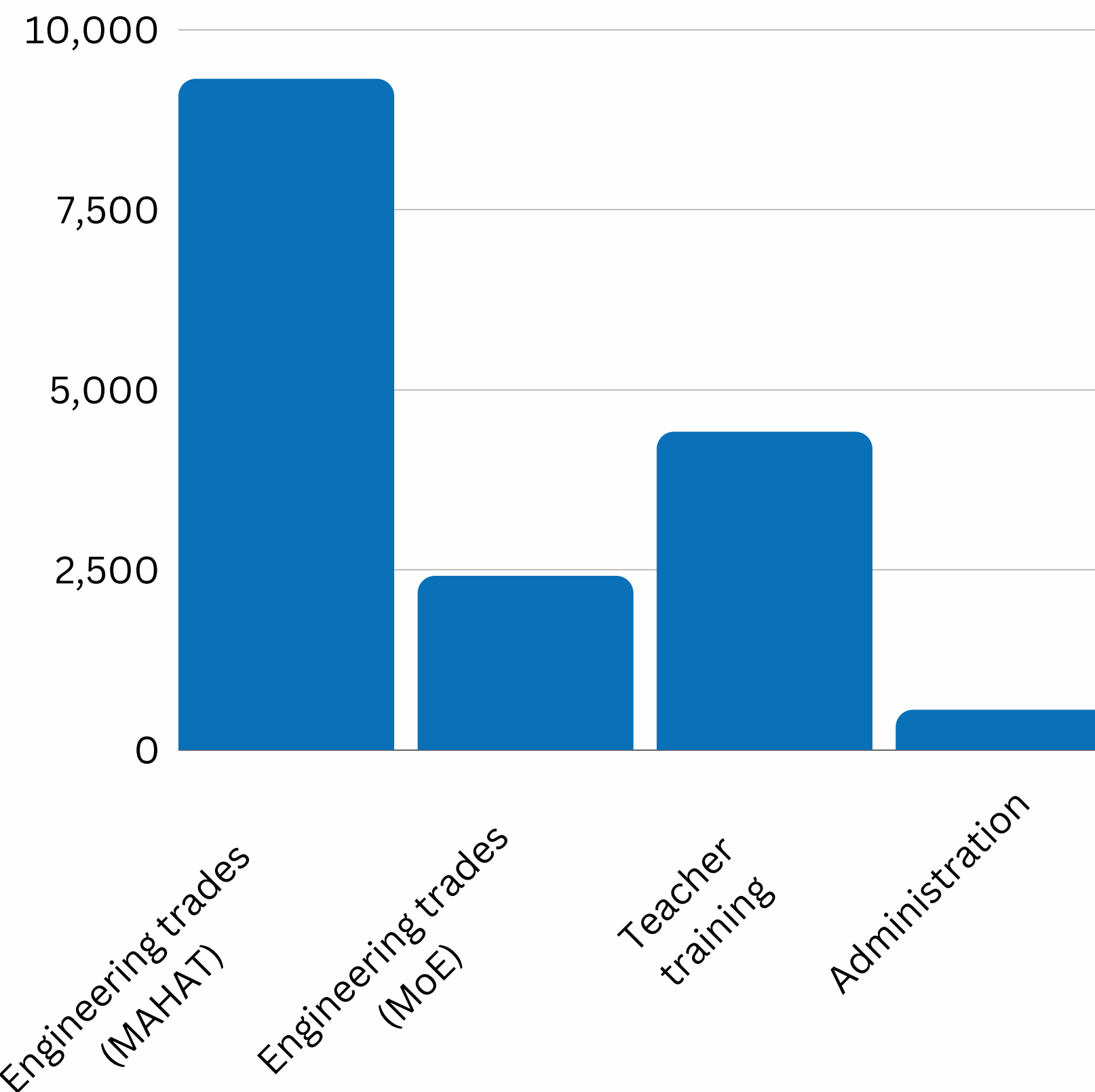
AS OF 2022



**8,484**



**7,977**

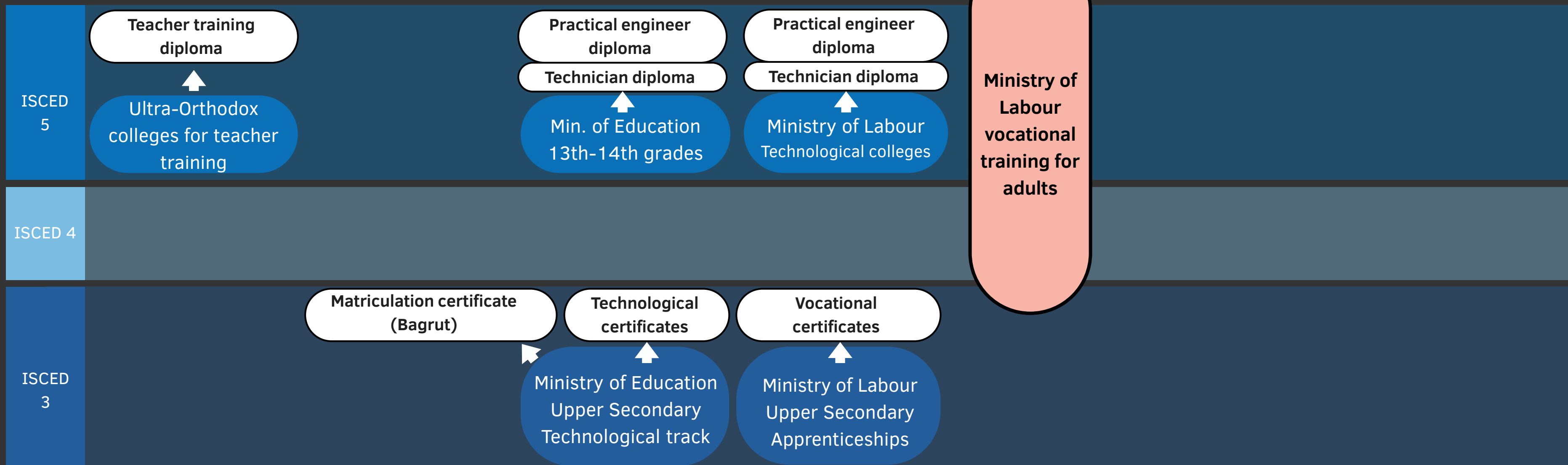


# Short vocational training for adults

Classified as "non-formal education":

No continuous pathway structure

Too short duration



# Official statistics on short vocational training for adults in Israel



Data on courses under the supervision  
of the Ministry of Labor's  
Vocational Training Department



Vocational training for adults caters for people  
aged 18+ who wish to acquire a profession,  
re-skill or upskill within their profession



Two training types:  
(1) Self-financed  
(2) State-financed

# Some figures on **students** enrolled in short vocational training under the supervision of the Ministry of Labour

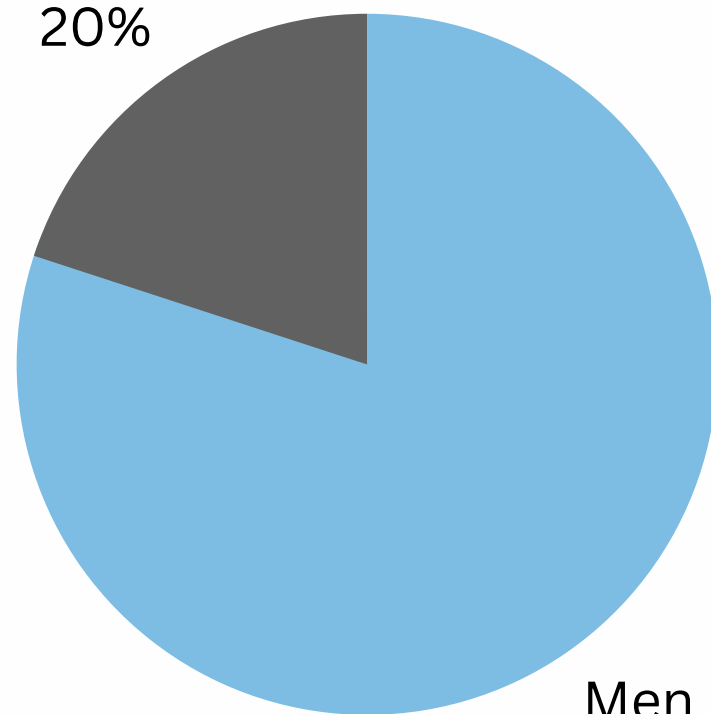
TOTAL: **97,107** STUDENTS AS OF 2022



**92,447** STUDENTS ENROLLED IN **SELF-FINANCED** TRAINING



Women  
20%



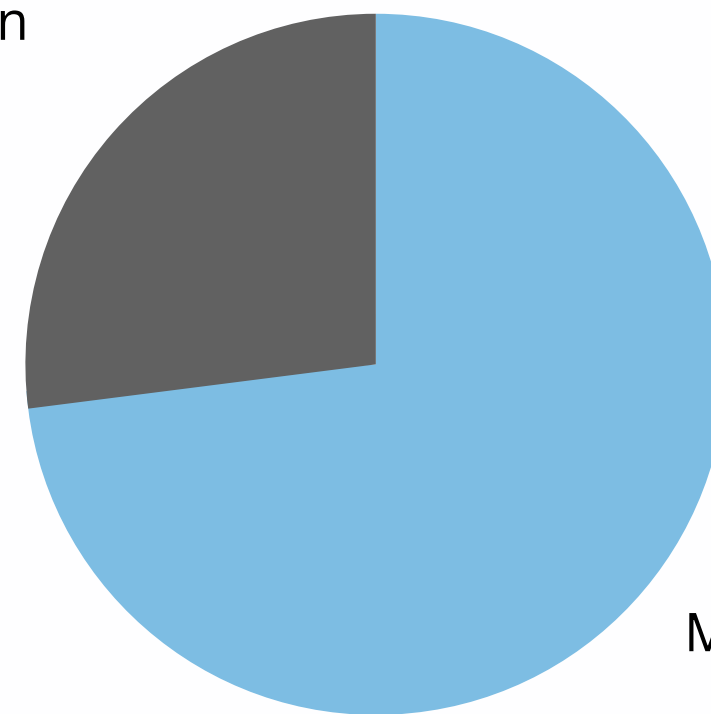
Men  
80%



**4,657** STUDENTS ENROLLED IN **STATE-FINANCED** TRAINING



Women  
27%



Men  
73%



# Some figures on **graduates** from short vocational training under the supervision of the Ministry of Labor (as of 2022)



**66,789**



**14,217**



**TRANSPORTATION**

**57,522**



**COSMETICS**

**5,393**



**ELECTRICITY & ELECTRONICS**

**3,047**



**ADMINISTRATION**

**5,114**



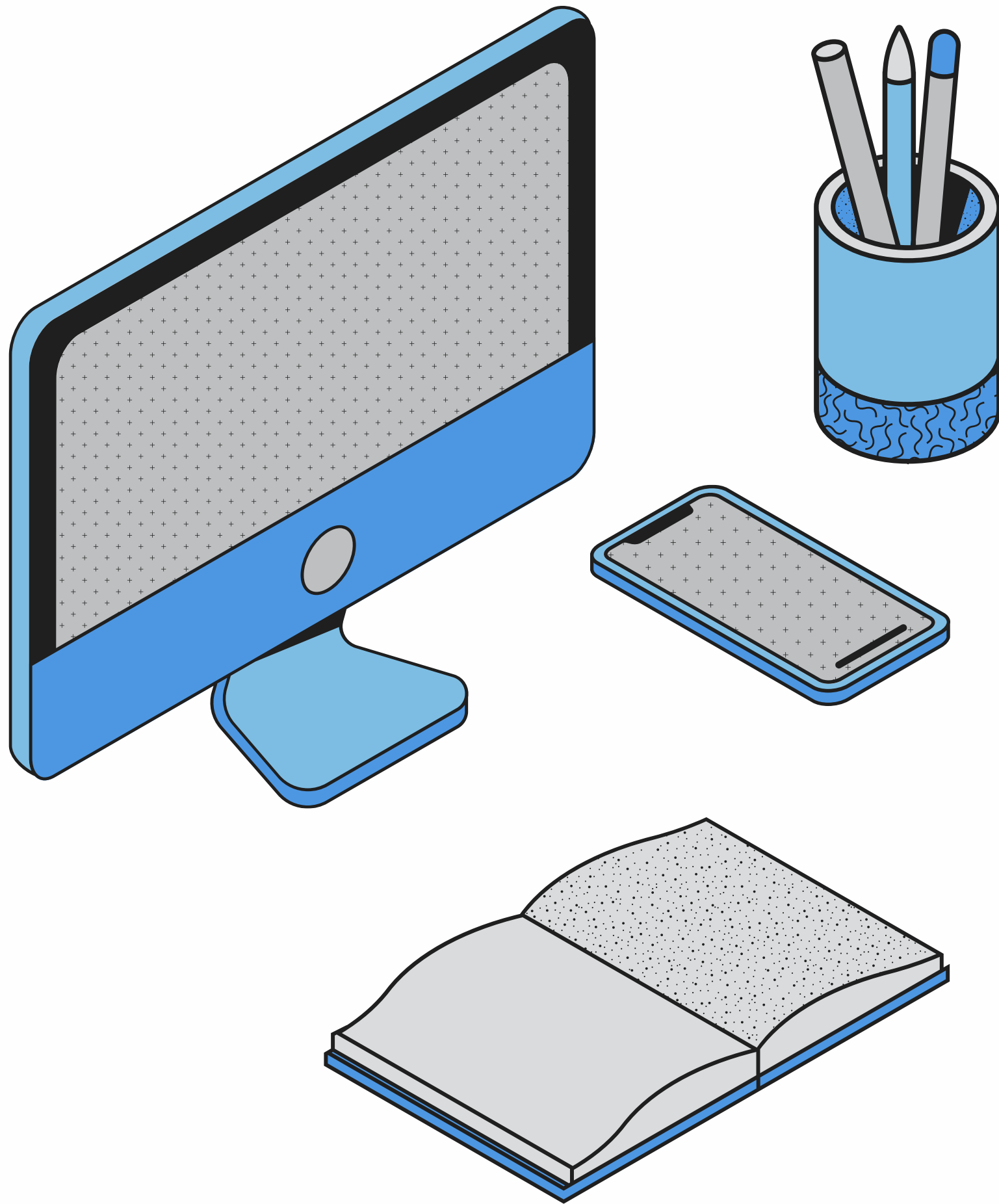
**COMPUTERS**

**1,427**



**EDUCATION AND CAREGIVING**

**953**



# Income changes of vocational training graduates (2016)

A statistical report that analyzes income change and employment rates following short vocational training

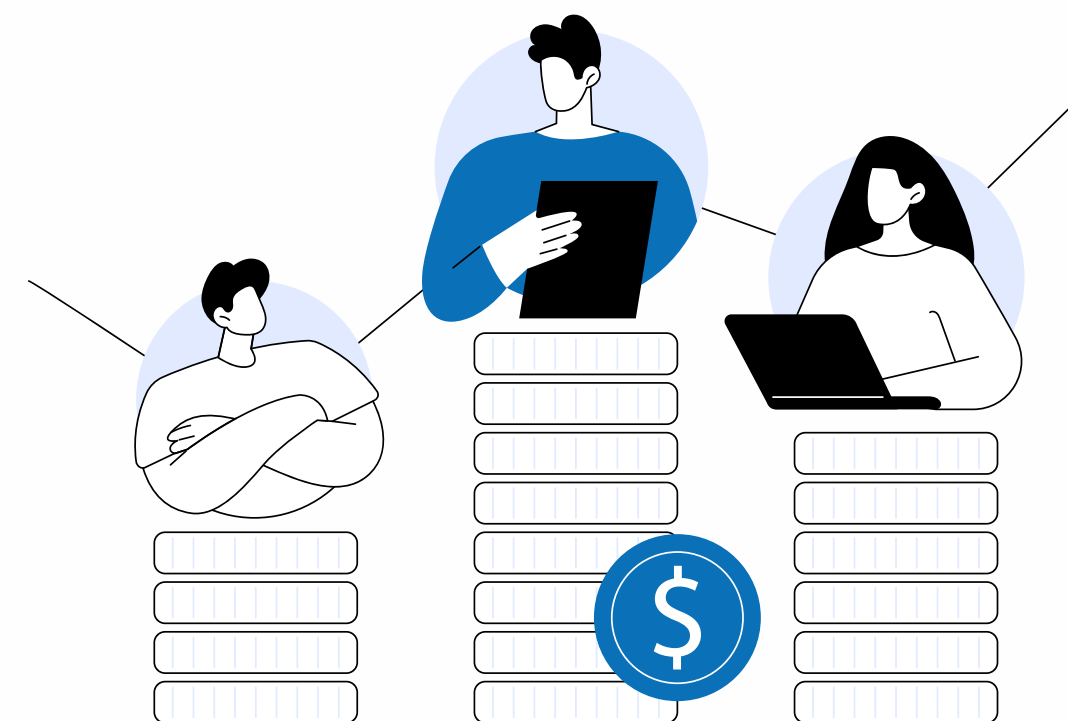
# Following the training...

Graduates improved their average **income** by 35%

The share of **employed** persons raised from 83% to 89%

The biggest increment in income was found in these fields of training:

- ↑ **86%** Lifeguarding and maritime trades
- ↑ **66%** Accommodation services
- ↑ **65%** Computers
- ↑ **60%** Printing, photography and production





# The National Qualification Framework

## AND ITS IMPORTANCE FOR NATIONAL EDUCATION STATISTICS

A national qualification framework (NQF) establishes a structure for recognizing and classifying qualifications within a country.

It provides a framework for organizing and comparing different types of qualifications.

The Government intends the NQF to be a tool to enhance transparency, comparability and recognition of qualifications within Israel and with other countries.



# NQF

## Why is it important for official education statistics?

- Since 2018, ICBS has been involved in the development of a National Qualification Framework, a project led by the Ministry of Education and other official agencies
- By identifying the national qualifications, it would help us **prioritize the programmes to consider for official statistics**, in a reality of limited resources
- The national mapping done for this project has already allowed us to identify the Ministry of Education's **Technological Certificates** - A valuable addition to official statistics

“ ”



## OECD Economic Surveys ISRAEL

APRIL 2023



THE GOVERNMENT SHOULD EXPEDITE AND COMPLETE THE PROCESS OF CREATING A NATIONAL QUALIFICATIONS FRAMEWORK. SUCH A FRAMEWORK WOULD HELP GIVE CLEAR RECOGNITION TO THE DIFFERENT SECONDARY AND POST-SECONDARY QUALIFICATIONS, INCLUDING VET, AS PART OF AN INTEGRATED MODEL OF LIFE-LONG LEARNING. THIS IS IMPORTANT IN THE CONTEXT OF **FRAGMENTED** ACCREDITATION [...]



**For more  
information**

[VET Upper secondary statistics in Israel](#)

[Technological Certificates](#)

[Income of graduates of Vocational training courses](#)

[NQF](#)

[PIAAC](#)



**Thank you!**