

E-HEALTH  
PHYSICS  
CREATIVE INDUSTRIES  
LANGUAGES  
SCIENCE AND RESEARCH  
BSS  
NEW MATERIALS  
SOCIAL SCIENCES AND HUMANITIES  
NANOTECHNOLOGY  
CHEMISTRY  
LIFE SCIENCES  
PLANT RESEARCH  
LOGISTICS  
BIOMEDICINE  
ARTS  
BIOTECHNOLOGY  
LAW  
HEALTH SCIENCES  
ECONOMY AND MANAGEMENT  
OPTICS  
MEDICINE

OLOMOUČ REGION  
REGION FOR SMART INVESTMENTS

[www.olkraj.cz](http://www.olkraj.cz)



# INTRODUCTION

## INTRODUCTION

The Olomouc Region ranks among the regions with the highest proportion of university-educated inhabitants. The favourable business environment of the Olomouc Region is based on its strategic location at the crossroads of transit routes, strong industrial tradition and educational and cultural background.

Across the region, entrepreneurs and investors can find favourable facilities in the form of various types of business zones, including highly modern industrial halls, office complexes, business incubators and co-working centres.

## EDUCATION

Education is one of the main regional priorities, which is also supported in the strategic documents of the Olomouc Region. Several higher education institutions operate in the region. In addition to one of the oldest universities in the Czech Republic, Palacký University in Olomouc, there is also the Moravian Business College Olomouc, the College of Logistics in Přerov and the detached workplace of the VSB - Technical University of Ostrava in Šumperk.

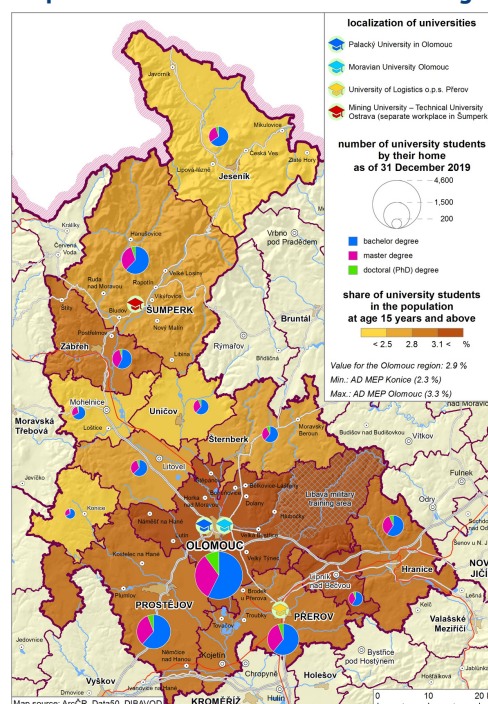
Olomouc is a centre of education of supra-regional importance thanks to its higher education system and a large number of primary and secondary schools. In terms of field focus, the region has a high potential especially for the development of natural sciences and medical disciplines, including cutting-edge activities in the field of biotechnology, nanotechnology and optoelectronics.

The high number of humanities-educated university graduates with a foreign language background makes the region an ideal location for investors in the field of strategic services (BSS).

## OPPORTUNITIES FOR INVESTORS

- Ideal location for Life Sciences and Strategic Services (BSS) projects
- Industrial parks, rental halls, laboratories
- Quality office complexes and coworking centres
- Top scientific research facilities of Palacký University in Olomouc
- Palacký University Science and Technology Park in Olomouc and business incubators
- Innovation Centre of the Olomouc Region
- Industry clusters (medicinal chemistry and chemical biology, optics, etc.)
- Digital Innovation Hub - DIGI2Health
- The Czech National eHealth Center
- Comprehensive study in the field of logistics unique in the Czech Republic
- Consulting services for investors (Regional Authority of the Olomouc region, CzechInvest, Labour Office and others)
- Attractive environment, cultural heritage and high quality of life

Map of location of universities in the region

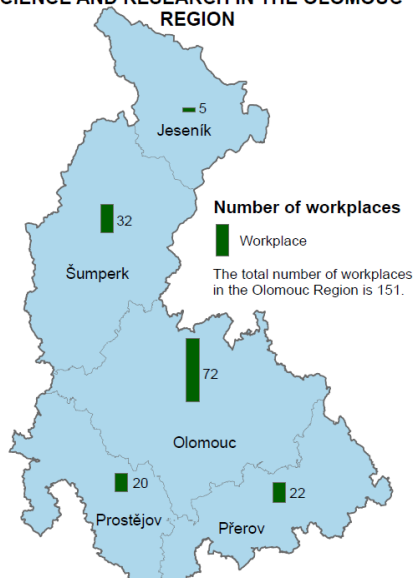


Source: created by the Olomouc Region in cooperation with UPOL

# SCIENCE, RESEARCH AND EDUCATION IN THE OLOMOUC REGION

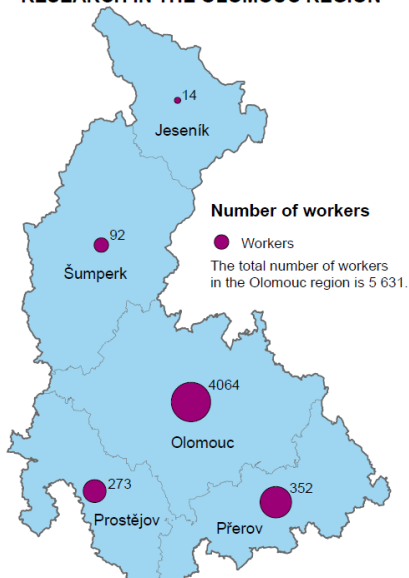
## OLOMOUC REGION IN NUMBERS

NUMBER OF WORKPLACES IN THE FIELD OF SCIENCE AND RESEARCH IN THE OLOMOUC REGION



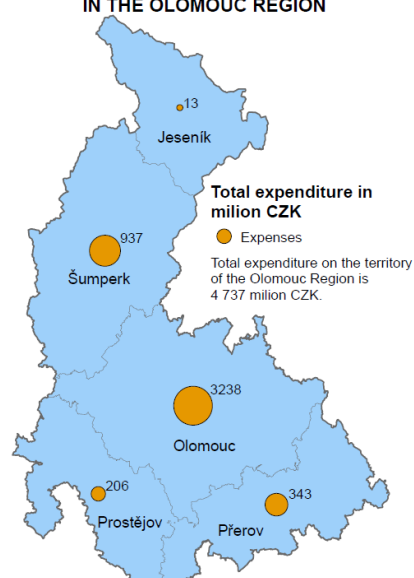
source: Czech Statistical Office, Statistical Yearbook of the Olomouc Region 2020, own processing

NUMBER OF WORKERS IN SCIENCE AND RESEARCH IN THE OLOMOUC REGION



source: Czech Statistical Office, Statistical Yearbook of the Olomouc Region 2020, own processing

SCIENCE AND RESEARCH EXPENDITURE IN THE OLOMOUC REGION

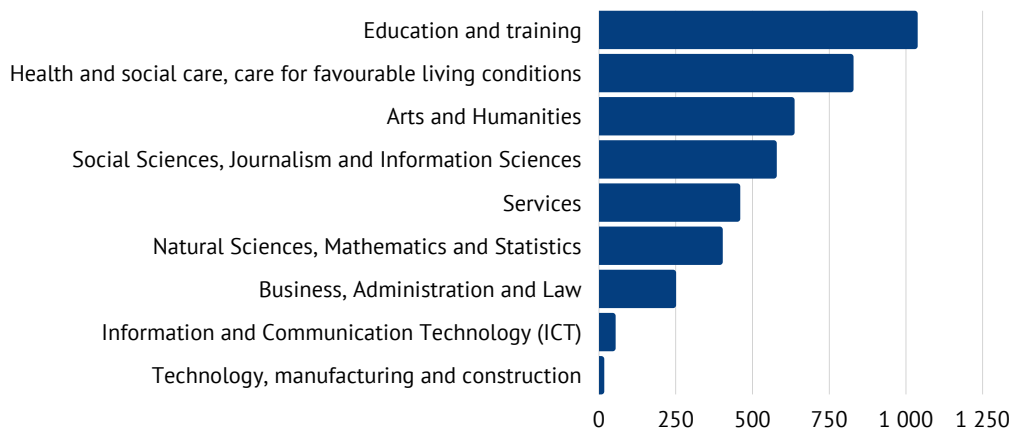


source: Czech Statistical Office, Statistical Yearbook of the Olomouc Region 2020, own processing

## UNIVERSITY AND COLLEGE EDUCATION

Three universities are located in the Olomouc Region. The most important is Palacký University in Olomouc. There are also two private non-university colleges in the region - the Moravian Business College Olomouc with a focus on economics and management and the College of Logistics based in Přerov. Another public university operating in the region is the VSB-Technical University of Ostrava, which offers selected bachelor's degree courses at its detached workplace of the Faculty of Engineering and the Faculty of Economics in Šumperk.

NUMBER OF GRADUATES OF UNIVERSITIES IN THE OLOMOUC REGION IN 2019 (BY SUBJECT GROUP)



Source: labour market forecasts - KOMPAS



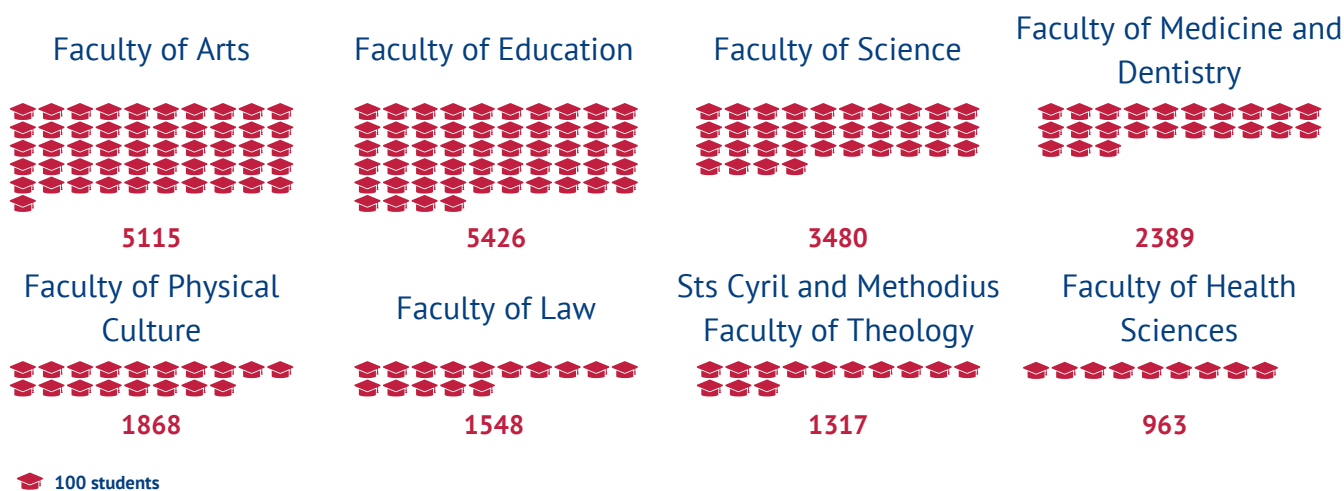
# COLLEGES IN THE OLOMOUC REGION

## PALACKÝ UNIVERSITY OLOMOUC

[www.upol.cz](http://www.upol.cz)

Palacký University in Olomouc is one of the important Central European centres of education and research, and its results in a number of fields are of European and world level. Its regional role is also important. It is one of the largest employers in the Olomouc Region and the Statutory City of Olomouc. Without Palacký University it is impossible to imagine the economic growth and development of the region.

### FACULTIES OF PALACKÝ UNIVERSITY OLOMOUC AND STUDENT NUMBERS

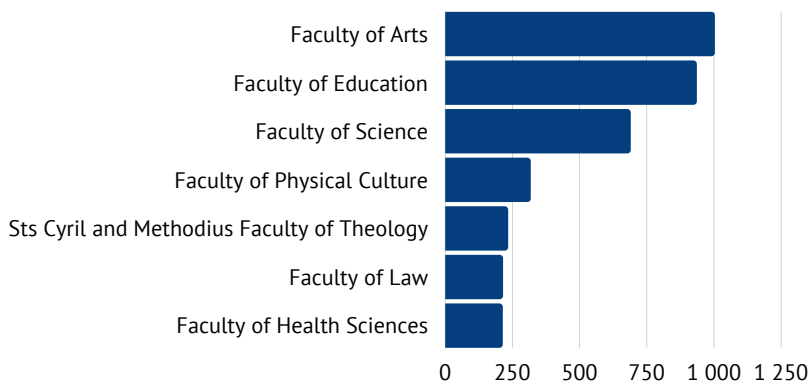


Source: annual report of UPOL for 2020, own processing

### Palacký University Olomouc offers:

- 840+ accredited study programmes in Czech, of which 348 of which are doctoral
- 186 study programmes in a foreign language

### Graduates of Palacký University Olomouc by faculties



Source: annual report of UPOL for 2020, own processing

Abbreviation used: FF (Faculty of Arts), PíF (Faculty of Science), LF (Faculty of Medicine and Dentistry)

### Study fields/programmes with links to excellent research at UPOL:

- 132 fields of study/programmes
- 3 736 students (17% of UPOL students)
- 470 graduates

### Unique fields of study/programmes in the Czech Republic:

- 59 fields of study/programmes for UPOL
- 1 917 students (9% of UPOL students)
- 152 graduates

### Involvement of students in scientific and research activities:

- 232 projects financed
- 1 199 students in IGA projects
- 29% FF students, 27% PíF students, 23% LF students

Source: annual report of UPOL for 2020, own processing

Abbreviation used: IGA, internal grant competition



# COLLEGES IN THE OLOMOUC REGION

## MORAVIAN BUSINESS COLLEGE OLOMOUC, O.P.S. (MVŠO)

[www.mvso.cz](http://www.mvso.cz)

- the aim of the school is to educate managerial and economics experts necessary for the development in the region
- the form of study is based on long-term experience



linking teaching to practice



cooperation with successful  
companies within the Olomouc Region



international know-how of  
foreign partners

- school vision: to promote economic growth and development of the region
- 1300 graduates, 120+ corporate partners, 36 collaborating universities, 15 years of experience

### Why study at the MVŠO:

- education for practice
- individual approach
- international experiences
- innovation
- professional excellence
- business partnerships

### Profile of the graduate of MVŠO:

- successful entrepreneur and manager
- accounting expert, project leader
- PR expert, HR specialist
- startup specialist
- social media expert
- logistics expert

### Study Programmes:

Bc., Ing.  
Economics and Management

### English study programs:

Bc., Ing.  
Economics and Management

Source: Moravian Business College Olomouc, own processing

## COLLEGE OF LOGISTICS O.P.S. (VŠLG), PŘEROV

[www.vslg.cz](http://www.vslg.cz)

- the only private technical college of non-university type to offer in the Czech Republic three levels of tertiary education (Bc., Ing., Ph.D.)



prepare logistics experts



linking teaching to practice



keep pace with  
technological growth

### Why study at the VŠLG:

- education for practice
- management methods in logistics
- international experience
- language skills
- expertise in transport processes

### Profile of the graduate of VŠLG:

- knowledge of logistics systems
- background in operations research and computer science
- economic and legal disciplines in transport, management and services
- problem-solving in the transport process and service provision
- logistics expert

### Study Programmes:

Logistics with specialisations, Bc.

- Logistics in transport
- Logistics in services
- Logistics for Informatics

Logistics, Mgr.

- Logistics and transport process management
- Logistics of transport process management

Source: College of Logistics, own processing



# COLLEGES IN THE OLMOUC REGION

## VSB - TECHNICAL UNIVERSITY OF OSTRAVA, FACULTY OF ENGINEERING - CENTRE FOR BACHELOR STUDIES ŠUMPERK

[www.ekf.vsb.cz](http://www.ekf.vsb.cz)

- study programmes "Mechanical Engineering" ("Engineering Technology") and "Economics"
- 2003 Establishment of the Endowment Fund of the Centre for Bachelor Studies, which financially supports the bachelor studies of VŠB-TU Ostrava at the detached workplaces in Šumperk
- the operation of the Centre for Bachelor Studies, a detached workplace of the Faculty of Engineering of VŠB - TU Ostrava in Šumperk, has been co-financed by the Olomouc Region since 2013

### Why study at the VŠB:

- education for practice
- modern laboratories
- company internships, projects
- employment in the business sector
- theoretical and practical knowledge of public policies

### Profile of the graduate of VŠB Šumperk:

- education and creative application in the field of engineering
- experience with calculations on computers
- knowledge of science and economics
- independence in team and creative work
- readiness for research and teaching professions in scientific and technically oriented companies

Source: VSB - Technical University of Ostrava, own processing

## CZECH UNIVERSITY OF LIFE SCIENCES PRAGUE , Šumperk

The Consulting Centre is located in Šumperk and offers Bachelor's (B.Sc.) and Master's (M.Sc.) studies in the field of "Public Administration and Regional Development".

The faculty aims to provide education in the field of:

- economic, scientific, creative, pedagogical, cultural and social

### Colleges in the neighboring regions and selected fields of study

**VSB - Technical University of Ostrava**  
Geology, Engineering, ICT

**Masaryk University - Brno**  
Oncology, Social Science Research

**Brno University of Technology**  
Construction, advanced materials, robotics

**Mendel University in Brno**  
Forestry and Agriculture

**Tomas Bata University in Zlín**  
Textile and rubber materials

**University of Ostrava**  
Medicine, Pedagogy

**Silesian University in Opava**  
Languages and Social Sciences



# SCIENCE, RESEARCH, INNOVATION IN THE OLOMOUC REGION

Scientific-research centres in the city of Olomouc are among modern workplaces equipped with cutting-edge technology and their importance goes beyond the borders of our region, but is also appreciated internationally. Excellent results of science and research are achieved especially in the fields of optics, molecular and cellular plant biology, chemistry and nanotechnology.

## CATRIN

[www.catrin.com](http://www.catrin.com)

Czech Advanced Technology and Research Institute – CATRIN)

- founded in 2020
- University Institute of Palacký University in Olomouc
- joining scientific teams:
  - the Centre of the Region Haná for Biotechnological and Agricultural Research (CRH)
  - the Regional Centre of Advanced Technologies and Materials (RCPTM)
  - the Institute of Molecular and Translational Medicine (ÚMTM)

## SELECTED UPOL RESEARCH CENTRES

- **BALUO Application Centre and Department of Social Sciences in Kinesiology**
- + unique science and technology park focused on research, technology, innovative entrepreneurship and vocational training in the field of movement activity, prevention of civilisation diseases and promotion of healthy lifestyle
- **Joint Laboratory of Optics**
  - + research in the fields of applied, quantum, wave optics
- **Institute of Normal Anatomy**
  - + research on brain diseases, salivary gland tumours, prevention of obesity in children
- **Institute of Physiotherapy**
  - + research associated with scoliosis, joint pain, poor posture
- **Laboratory of Stress Physiology**
  - + limits of the human body under stress conditions
- **Centre for Clinical Legal Education**
- **Centre for the Prevention of Risky Virtual Communication**
- **Social Health Institute - Olomouc University Social Health Institute (OUSHI)**

*Source: annual report of UPOL for 2020, own processing*

### CLUSTERS IN THE OLOMOUC REGION

- MedChemBio Cluster
- Olomouc Innovation Cluster, cooperative
- Moravian-Silesian Timber Cluster, (MSDK)
- Czech Optical Cluster
- CREA Hydro&Energy

### REGIONAL SPECIALISATION DOMAINS FOR RIS3

- Mechanical and electrical engineering
- Optics and fine mechanics, optoelectronics
- Industrial Chemistry
- Pumping and water technology
- Biomedicine, Life Science and Healthcare
- Software Development



# LANGUAGE EDUCATION IN THE OLOMOUC REGION

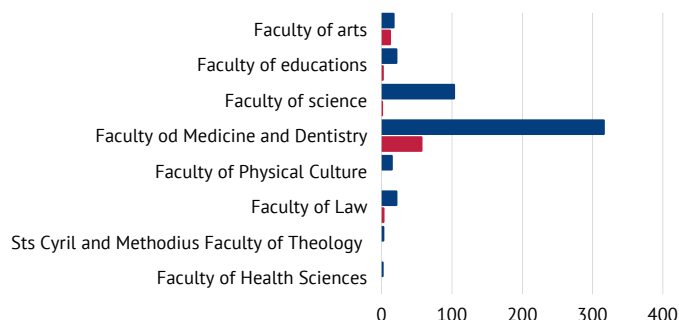
Palacký University Olomouc offers a unique spectrum of foreign language teaching. Graduates will be able to find employment in many professions where educated workers with excellent knowledge of spoken and written foreign languages are needed. The teaching of foreign languages predestines the Olomouc Region for shared corporate services and creates a prerequisite for BSS investors.

## Selected overview of languages at Palacký University in Olomouc

English	German
Arabic	Dutch
Aramaic	General linguistics
Chinese	Polish
French	Portuguese
Hebrew	Russian
Indonesian	Greek
Italian	Spanish
Japanese	Ukrainian
Korean	Vietnamese
Latin	

Source: 2020 UPOL Annual Report, own processing

## Number of students/graduates in 2020 in foreign language study programme (UPOL)



Source: website of UPOL, own processing

## Study Programmes Double/Joint/Multiple Degree

- 13 study programmes, 95 students
- 69 graduates
- offers to complete part of the studies in e.g. France, Italy, Japan, USA or Mexico

Source: website of UPOL, own processing

## Foreign language study programmes at Palacký University in Olomouc (UPOL)

- 186 foreign language study programmes
- eight faculties of UP, studied 2.3% of the total number of students at UPOL
- the highest proportion of students Mgr. and nMgr., (428 students, 80 graduates, 73% of them from LF)

## Study programmes, language of instruction - English

- Czech for Foreigners (Bc.)
- Dentistry (Mgr.)
- English Language for Education (Bc.)
- English Philology (Bc.)
- General Medicine (Mgr.)
- Geoinformatics and Cartography (Bc.)
- Physiotherapy (Bc.)
- Special Education (Bc.)

Source: website of UPOL, own processing

There are also several language schools in the Olomouc Region, and foreign languages are also taught in secondary schools. Students can then take internationally recognised language examinations.

## Existence International School Olomouc (iSchool)

- British international kindergarten and primary school (in Olomouc since 2006)
- the school is part of the network of British Schools Abroad, accredited by the UK Department of Education

## Teaching selected subjects in a foreign language

- High School Jiřího Wolke, Prostějov (English, 8 years old)
- High School Čajkovského, Olomouc (Spanish, German)

## Bilingual grammar schools in the Olomouc Region

- High School Hejčín, Olomouc (Czech-English)
- Slavic High School, Olomouc (Czech-French)
- High School Čajkovského, Olomouc (Czech-Spanish)





# LAW, MEDICINE, SOCIAL SCIENCES

## LAW

The Faculty of Law of Palacký University Olomouc has a long tradition in the Olomouc Region, during its existence the faculty has gained a stable position and is one of the most respected law schools in the Czech Republic.

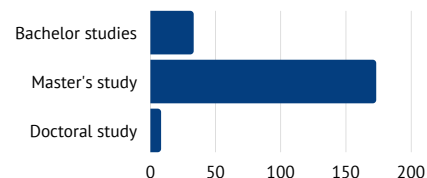
### Faculty of Law, UPOL:

- 12 accredited study programmes (bachelor, master and doctoral)
- 5 study programmes in a foreign language
- scientific research and publishing activities
- development of foreign relations

### Study field/programme at UPOL unique in the Czech Republic, Faculty of Law

- Specialisation in Law – International and European Law

### Graduates Faculty of Law (UPOL)



Source: annual report of UPOL, 2020, own processing

## MEDICINE

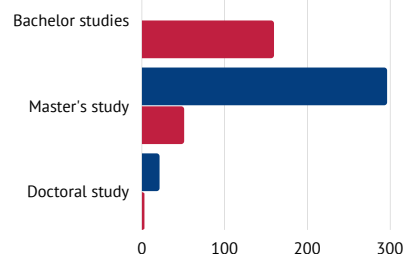
The UPOL Faculty of Medicine offers its students study programmes that are comparable to education abroad. It is one of the leading centres of biomedical research in the Czech Republic.

### Priorities of science and research at LF UP in Olomouc

- the origin and development of diseases
- new diagnostic and therapeutic methods
- epidemiology and prevention of major diseases

LF UP offers 10 unique study fields/programmes in the Czech Republic.

### Graduates Faculty of Medicine and Dentistry / Faculty of Health Sciences



Source: annual report of UPOL, 2020, own processing

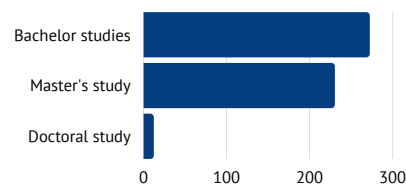
## SOCIAL SCIENCES

The Olomouc Region also offers quality employees with expertise in the social sciences who thanks to their soft skills and analytical abilities, are able to orient themselves well in current.

### Selected fields of study:

Economic and Management Studies, Political Science, Media and communication studies, sociology, psychology, andragogy, philosophy, theology, historical sciences and others.

### Graduates of UPOL, broadly defined disciplines



Source: annual report of UPOL, 2020, own processing



## OPTICS

The Olomouc Region is unique in its activity in the field of optics, with a concentration of top companies and research teams. Specialised education at the Department of Optics is offered at Palacký University in Olomouc and achieves excellent research results. To support the field of optics, the Czech Optical Cluster was established in the Olomouc Region.

Companies in the field of optics and fine mechanics employ about 6 thousand workers in the Olomouc Region. The volume of their exports exceeds CZK 17 billion.

Key fields for optics in the Olomouc Region:

- fields of optics, optomechatronics, photonics, optoelectronics, fine mechanics

### Study programs at the Faculty of Arts, Department of Optics, program (Bc., Mgr.):

<b>Digital and instrument optics</b> Profile of the graduate: knowledge in digital optics, technologies infraoptics, spectroscopic techniques, laser and thermal imaging systems	<b>General physics and mathematical physics</b> Profile of the graduate: math-physics specialist, development and research in research institutions and corporate departments	<b>Optics and optoelectronics</b> Profile of the graduate: Research and Development Assistant, specialist in optical technologies, optical engineer
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Source: annual report of UPOL, 2020, own processing

## IT (INFORMATION TECHNOLOGY)

The demand for IT graduates has been steadily increasing in recent years, corresponding to the current demands of the labour market. In IT, new modern trends related to innovation and the intense need to develop digital skills (not only for children, but also for students and adults) are being applied.

### Faculty of Science UPOL, Department of Informatics:

- study field Information Technology (Bc.)
- graduates are ready to enter directly into practice after completing their studies.

### Employment of UPOL graduates, Department of Informatics:

- regular IT positions, web developers
- computer network and information systems administrators
- programmers and IT consultants

### Information and Communication Technology (ICT) graduates, Olomouc Region



Source: annual report of UPOL, 2020, own processing



# SECONDARY EDUCATION IN THE OLOMOUC REGION

## OLOMOUC REGION

- founder of a large network of schools
- emphasis on a modern approach to education

### Objectives of the Olomouc Region in the field of education:

- to maintain a balanced branch structure with a varied offer in a regional concept
- to know the views of students and their parents, professionals and employers

Schools and school facilities  
(the founder Olomouc Region)



107

Students in school



22 209

School staff



2 706

Source: website of the Olomouc school system, own processing

The educational level of the population in the Olomouc district is above the average of the Czech Republic, creating good conditions for the future economic development of the region.

### Application of 4 strategic areas in the development of education Olomouc Region

- qualified graduates with high employability on the labour market
- polytechnic education
- development of literacy and digital competences
- equal opportunities in education

### The aim of the Support of Polytechnic Education and Crafts in the Olomouc Region

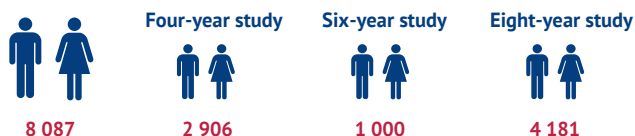
- support activities leading to an increase in the number of pupils in technical fields
- motivate pupils to better behavioural and educational outcomes, support the labour market

Source: website of the Olomouc school system, own processing

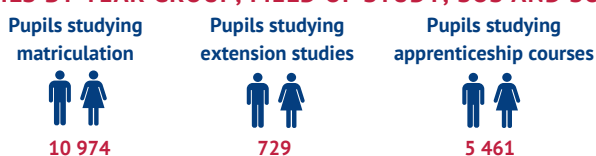
## GRAMMAR SCHOOLS IN THE OLOMOUC REGION - BY DISTRICTS



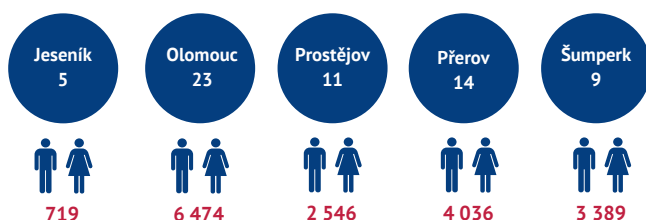
Number of gymnasium students



## PUPILS BY YEAR GROUP, FIELD OF STUDY, SOŠ AND SOU



## SOŠ AND SOU, DISTRIBUTION BY FOUNDER FOR DISTRICTS



Abbreviation used: SOŠ, SOU (secondary vocational school) Source: annual report of the Olomouc Region, 2019-2020

Since the school year 2021/2022, the Olomouc Region has been supporting pupils in 50 fields of education, including 32 apprenticeship fields and 18 fields ending with the school-leaving exam.

## Key topics for the Regional Action Plan for the Development of Education in the Olomouc Region:

- promoting competences for entrepreneurship, initiative and creativity
- promotion of polytechnic education (science, technical and environmental education)
- promoting vocational training
- development of career guidance
- development of schools as centres of vocational training
- promoting inclusion
- infrastructure of secondary and higher vocational schools

Source: website of the Olomouc school system, own processing



# ACTORS OF THE INNOVATION SYSTEM IN THE OLOMOUC REGION

**Krajský úřad Olomouckého kraje**  
**Regional authority of the Olomouc Region**  
Jeremenkova 40a, 779 00 Olomouc  
+420 585 508 111  
posta@olkraj.cz  
[www.olkraj.cz](http://www.olkraj.cz)

**Inovační centrum Olomouckého kraje**  
**Association for Support of Innovation**  
Jeremenkova 40b, 779 00 Olomouc  
+420 587 432 017  
info@inovaceok.cz  
[www.inovaceok.cz](http://www.inovaceok.cz)

**CzechInvest**  
**Regionální kancelář pro Olomoucký kraj**  
**Office of Olomouc Region**  
Jeremenkova 40b, 779 00 Olomouc  
+420 296 342 982, 984, 986  
olomouc@czechinvest.org  
[www.czechinvest.org](http://www.czechinvest.org)

**Krajská hospodářská komora Olomouckého kraje**  
**Chamber of Commerce of the Olomouc Region**  
Jeremenkova 40b, 779 00 Olomouc  
+420 587 332 068  
khkok@khkok.cz  
[www.khkok.cz](http://www.khkok.cz)

**Okresní hospodářská komora Olomouc**  
**District Chamber of Commerce Olomouc**  
tř. Kosmonautů 1288/1, 772 00 Olomouc  
+420 778 470 956  
info@hkol.cz  
[www.hkol.cz](http://www.hkol.cz)

**Svaz průmyslu a dopravy České republiky**  
**Union of Industry and Transport of the Czech Republic**  
Kosmonautů 8, 779 00 Olomouc  
+420 733 643 511  
sPCR@sPCR.cz  
[www.sPCR.cz](http://www.sPCR.cz)

**Magistrát města Olomouce**  
**Oddělení strategického rozvoje**  
**Department of Strategic Development**  
**City of Olomouc Municipal Office**  
Hynaisova 10, 779 11 Olomouc  
+420 588 488 404, 408, 405  
mmol.ostr@olomouc.eu  
[www.olomouc.eu/podnikatel](http://www.olomouc.eu/podnikatel)  
[www.olomouc.eu/business](http://www.olomouc.eu/business)

**Univerzita Palackého v Olomouci**  
**Palacký University in Olomouc**  
Křížkovského 511/8, 779 00 Olomouc  
+420 585 631 111,  
e-podatelna@upol.cz  
[www.upol.cz](http://www.upol.cz)

**CATRIN- Český institut výzkumu a pokročilých technologií**  
**Czech Advanced Technology and Research Institute**  
Křížkovského 511/8, 779 00 Olomouc  
+420 585 634 762  
catrin@upol.cz  
[www.catrin.com](http://www.catrin.com)

**Vědeckotechnický park UP**  
**The Science and Technology Park of PU**  
Šlechtitelů 21, 783 71 Olomouc  
+420 585 631 420  
vtp@upol.cz  
[www.vtpup.cz](http://www.vtpup.cz)

**DIGI2HEALTH - Digital Innovation Hub in Olomouc**  
**The Science and Technology Park of PU**  
Šlechtitelů 21, 783 71 Olomouc  
+420 734 236 488  
jakub.havlin@upol.cz  
[www.digi2health.cz](http://www.digi2health.cz)

**National Telemedicine Centre**  
**Olomouc University Hospital**  
I. P. Pavlova 6, 779 00 Olomouc  
+420 588 443 713  
info@ntmc.cz  
[ntmc.fnol.cz](http://ntmc.fnol.cz)

**Agritec Plant Research s.r.o.**  
Zemědělská 2520/16, 787 01 Šumperk  
[www.agritec.cz](http://www.agritec.cz)

**Agroresearch Rapotín s.r.o.**  
Výzkumníků 267, 788 13 Rapotín  
[www.vuchs.cz](http://www.vuchs.cz)

**CENTRE OF HYDRAULIC RESEARCH spol. s r.o.**  
Jana Sigmunda 313, 783 49 Lutín  
[www.sigmagroup.cz](http://www.sigmagroup.cz)

**Labour Office of the Czech Republic**  
**Branch Olomouc**  
**Kontaktní pracoviště Olomouc**  
Vejdovského 988/4, 779 00 Olomouc  
+420 950 141 111  
[podatelna.ol@uradprace.cz](mailto:podatelna.ol@uradprace.cz)  
[portal.mpsv.cz/upcr](http://portal.mpsv.cz/upcr)

