



Invest
in Pomerania

We care more

Pomeranian Universities

Sector IT

2024/25

opracowanie:

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Pomeranian universities in numbers

92,000 students are educated in the Pomeranian Voivodeship, of which approximately **4% are from abroad.**

The universities are located in 7 cities: **Gdańsk, Gdynia, Sopot, Słupsk, Wejherowo, Chojnice and Starogard.** Some of them rank very high on Polish and world rankings.

“Perspektywy 2024” places two universities in the top 10 best in Poland, Gdańsk University of Technology, as one of only nine Polish institutions, was included in the prestigious Shanghai ranking.

92.000

students

3500

foreign students

Pomeranian universities in numbers

20

Universities

1

University of Technology

7

Academies

1

Universities Association

Fahrenheit Universities:

Gdańsk University of Technology
University of Gdańsk
Medical University of Gdańsk

Universities:

WSB Merito University
Gdynia Maritime University
Pomeranian University in Słupsk
SWPS University

Academies:

Ateneum Academy
Polish Naval Academy
Academy of Music
Academy of Fine Arts
Sopot Academy of Applied Sciences
Gdansk University of Physical Education and Sport
Polish-Japanese Academy of Information
Technology

Other academic institutions:

Gdańska Szkoła Wyższa
Gdańska Wyższa Szkoła Humanistyczna
Kaszubsko-Pomorska Szkoła Wyższa
Pomorska Szkoła Wyższa
Powszechna Wyższa Szkoła
Humanistyczna "Pomerania"
University of Administration and Business
University of Security
Wyższa Szkoła Inżynierii Gospodarki
Wyższa Szkoła Komunikacji Społecznej
Wyższa Szkoła Społeczno-Ekonomiczna
Wyższa Szkoła Zdrowia w Gdańsku
Powiślański University
Academy of Tourism and Hotel
Management

Fahrenheit Universities

Fahrenheit Universities (University Association)

faru.edu.pl/en



41000

students

4000

scientific and
research employees

1700

phD students

31

scientific discipline

The Medical University of Gdańsk, the Gdańsk University of Technology and the University of Gdańsk have been implementing joint initiatives in the areas of science, education and organization for many years. Thanks to the establishment of the Association of Universities, it is possible to deepen the existing cooperation and create **one of the strongest academic centers in Poland in Pomerania**.

Achievements

Until 2020, PG and UG jointly completed 21 grants from foundations such as the FNP, NCN and the Ministry of Education. FarU organizes annually the Quality Day, the Panel of Champions, the Pomeranian Scientists' Night and scientific conferences.

Future

The Association's task is to effectively use the resources of the three universities by supporting research and development and recommendations regarding doctoral schools.

University of Technology

1500

students

1300

scientific and research
employees

8

Faculties

37

Studies

GUT scientists are among the top 2% of influential people in science in the world

GUT is the second most frequently chosen technical university every year. Thanks to the Excellence Initiative program, **four scientific centers** were established: Bio TechMed, EkoTech, Digital Technologies and Future Materials. In cooperation with the socio-economic environment, two university-wide, **interdisciplinary research and implementation centers** were created: Offshore Wind Energy, Hydrogen Technologies and Nuclear Energy.

Achievements

GUT achieves success in **14 scientific disciplines** and is a member of the Fahrenheit Universities Association. There are **104 scientific clubs** and student organizations at the university. Every year, hundreds of patents and projects are created, covering areas from innovative solutions for **Formula Student cars** to energy generators from sea and ocean waves.

Future

The university has **276 laboratories** and a **Kraken supercomputer** with a power of 13.6 Pflops, one of the fastest in Europe. The GUT complex also includes the **TASK Center**, providing access to the national and global IT network.

Studies related to sector

Faculty of Electronics, Telecommunications and Informatics

- Automatic Control, Cybernetics and Robotics
- Electronics and Telecommunication
- Informatics
- Biomedic Engineering
- Data Engineering
- Space Technologies

Faculty of Electrical and Control Engineering

- Automatic Control, Robotics and Systems Control
- Electrotechnics
- Hydrogen Technologies and Electromobility
- Energetics

Faculty of Mechanical Engineering and Ship Technology

- Construction of machines and ships
- Energetics
- Mechanical and Medical Engineering
- Mechanics and ships construction
- Mechatronics
- Ships and Marine Structures
- Yacht design and Construction
- Transport and Logistic
- Management and Production Engineering

Chosen studies from another faculties

- Data engineering
- Nanotechnology
- Raw Materials and Energy Recovery Engineering

Universities

20000

students

2000

scientific and research
employees

11

faculties

89

studies

The university is one of 9 belonging to the **European University of the Seas**, supporting research commercialization and innovation through the **International Cooperation Office** and the **Technology Transfer Center**. Every year, it attracts hundreds of young students through foreign internships and programs such as "Young leaders of research groups", UGrants, "Support for the Humanities of Gdańsk", as well as the presence of visiting professors of the UG.

Achievements

PLN 76 million was obtained for the creation of the International Center for Research on Anticancer Vaccines and the International **Center for the Theory of Quantum Technologies**. The university is highly innovative in obtaining funds for projects under the EU Horizon 2020 program.

Future

Continuation of innovative research and projects in the area of blue biotechnology, biodiversity, marine ecosystems, sustainable urban development, biomedicine, and further membership in networks of excellence, including RECOURSE, Center of Excellence for Baltic Development, BioMoBiL, MARBEF, VIRGIL, MOBI4Health.

Studies related to sector

Faculty of Mathematics, Physics and Informatics

- Nuclear safety and radiological protection
- Bioinformatics
- Physics
- Medical Physics
- Information technology
- Practical computer science
- Mathematics
- Mathematical modeling and data analysis
- Quantum Information Technology

17500

students in Gdynia and Gdańsk

5

faculties

19

studies

Merito University is one of the largest groups of private universities in Poland. The university focuses on innovation and a natural combination of business and education. Experts, practical and up-to-date knowledge are the goals translated into individual teaching programs. It offers first-cycle, second-cycle studies, **MBA and Executive MBA studies**.

Achievements

Over **5,000 companies** have become partners, having a real influence on shaping the teaching programs, which translates into practical skills of students. According to the Perspektywy 2022 ranking, WSB Merito University has become the most frequently chosen private university in Poland.

Future

The **IBM CAS Lab IoT laboratory** is the future of Merito University and other research centers. It is dedicated to the development of the architecture of **IoT Edge-Fog-Cloud systems** and **Big Data processing**, using artificial intelligence methods.

Studies related to sector

Faculty of Informatics and New Technologies

- Computing
- Informatics
- Management Engineering
- Logistics
- Multimedia and graphic

3500

students

4

faculties

21

studies

The university prepares highly qualified staff for the needs of the maritime economy, including future merchant navy officers, specialists in the operation of ships, ports, and transport system management. **The Maritime Local Cisco Academy** operates at UMG, preparing for obtaining the **CCNA certificate**.

Achievements

Students complete internships on ships, in well-equipped laboratories and simulators, and can confirm their skills during sea expeditions. There is also a **Sailing Center**.

Future

UMG offers courses related to the Offshore area, such as **Executive Offshore Wind MBA**, specializations in **Wind Power Plant Operation Management, Renewable Energy Source Management** and others. UMG is also developing in space and satellite technologies.

Studies related to sector

Electrical Faculty

- **Informatic:** Internet and Mobile Applications/ Internet of Things Applications
- **Electrotechnic:** Ship electroautomation/ Computer Control Systems
- **Electronics and Telecommunication:** Marine Electronics/ ICT Systems and Networks

Faculty of Mechanics

- **Operation and diagnostics of systems:** Diagnostics of Technical Devices/ Operation Management of Wind Power Plants
- **Mechanics and machine construction:** Operation of Ship Power Plants and Ocean Technical Facilities/ Installation Operation Engineering/ Production Engineering/ Ship and Port Facilities Renovation Technology

3500

students

400

scientific and research
employees

11

faculties

35

studies

The Pomeranian University plays a key role in building a knowledge-based society using modern information technologies. It establishes cooperation with institutions such as Winona State University and the Słupsk Chamber of Industry and Commerce.

Achievements

As part of the project, the **Monoprofile Medical Simulation Center** of the University of Medical Sciences systematically develops medical qualifications and shapes the model of cooperation between the university and medical entities. The aim is to adapt aspects of education to the needs of the labor market.

Future

As part of the "Stop - 4th Planet from the Sun" project, UP is dedicated to educating and supporting the development of children and youth in the area of astronomy and space techniques. The main goal of the initiative is to create a **Mars rover**.

Studies related to sector

Institute of Security and Sociology

- Cybersecurity Engineering

Institute of Exact and Technical Sciences

- Technical Physics
- Information technology
- Industrial IT
- Mathematics with computer science

Academies

The Polish-Japanese Academy of Information Technology (PJAiT)

gdansk.pja.edu.pl



1000

students

2

faculties

2

studies

9

specialisation

PJAiT in Gdańsk focuses on practical classes co-led by employees of IT companies. The scope of teaching is constantly improved in cooperation with the best companies on the IT market, and students decide on the specializations they launch. The university offers certified courses like **CISCO, LPIC**. Students learn programming (**Java, C/C++, Python, Scala, PHP**), databases and design.

Achievements

According to the Perspektywy 2022 ranking, PJAiT was once again **the best private technical university** in Poland. In 2023, PJATK hosted the **ACM RACS 2023** international conference.

Future

PJAiT students benefit from internships and apprenticeships in respected companies in Pomerania. The university places emphasis on the ability to work independently and innovatively, including preparing students for pre-incubation of products they produce as part of ongoing projects.

Studies related to sector

Faculty of Informatics

- **Informatics:**
 - specialisations:
 - Internet Applications
 - Computer Systems and Network
 - AI
 - GameDev
 - Internet of Things
 - Cybersecurity
 - Software and Database Engineering
 - Computer Graphics

Polish Naval Academy of the Heroes of Westerplatte

amw.gdynia.pl/en



2200

students

4

faculties

16

studies (civil and
military)

Naval Academy Heroes of Westerplatte plays a key role in the formation of professional soldiers and civilian students, from Poland and abroad. It has a modern eight-lane swimming pool and a 5 m deep diving pool for **professional diver training**.

Achievements

The academy operates the AMW **Product Certification Center** for the needs of national defense and security and the **Maritime Technology Center**, which authorizes the conduct of business activities in the field of production and trade in explosives, weapons, ammunition and technology for military or police purposes.

Future

The Maritime Cybersecurity Center is a think tank operating within the Maritime Command and Operations Department of the Maritime University. Its main competences include issues related to cybersecurity management, cybercrime and securing maritime and space infrastructure.

Studies related to sector

Faculty of Mechanics and Electricity

- SC Informatics
- SC Mechanics and Construction of machines
- SC Mechatronics
- SC Automatic Control and Robotics
- SN Informatics
- SN Mechanics and Construction of machines
- SN Mechatronics

Faculty of Naval Command and Operations

- SC National Security
- SC Homeland Security
- SC Information Systems in Security
- SN Information Systems in Security
- SN Logistics

SC - civil studies
SN - naval studies



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