Gdańsk University of Technology

over 100 Years of Tradition
Vision and mission

History
  – Historical Calendar
  – University Patrons

Campus

Facts and figures
  – Some statistics
  – Number of students
  – Results of graduates employment statistics
  – Positions in Polish rankings
  – New model of education – Engineer of the Future
  – The structure of studies

Scientific research and cooperation with business

International cooperation

Contact
Vision – Smart University

S – strategically determined
raising funds to realise strategic goals, in accordance with the priorities and undertakings of the EU, Poland, and the region

M – maximally innovative
implementing new mechanisms and taking the advantage of organisations that stimulate the development of innovative solutions, both for GUT and the region

A – attractive to all
designing and introducing LLL solutions, using team approach to project and e-learning in the studies syllabuses, modernisation of educational and research laboratories, focus on practical application of research

R – refining personality
creating a positive environment for the development of all students, doctoral students, and employees, particularly the best students, through setting ambitious tasks and rewarding significant results

T – teamwork with passion
gradual removing of barriers and administrative obstacles, favouring verified models, nourishing the culture of work and innovation friendly environment
Mission

Our mission is to provide **high quality education** to meet the needs of the dynamically growing economy and the knowledge-based society. We are committed to carry out **scientific research** at the highest, international level of excellence in the conditions of the globalising world, as well as realising **innovative undertakings** to contribute to society through active participation in civilisation transformation, in particular that of science and technology.
Historical Calendar

1900: The cornerstone is laid for the university building.

1904: King’s Technical High School is created (Königliche Technische Hochschule).

1921: Hochschule is handed over to the authorities of the Free City of Danzig. The official name is changed to Technische Hochschule der Freien Stadt Danzig.

1945, May 24th: Polish Gdansk University of Technology is reactivated.

1989: Revolutionary political transformation in Poland and the fall of communism.

2004: 100-Year Anniversary of the existence of university of technology in Gdansk.

2014: 110 years of the existence of Technical University in Gdansk.

2020: SMART University.
1904

- University Inauguration

1945

- The fire of the Main Building and the reconstruction of the university buildings damaged during the WW2
1994

- Academic Computer Centre in Gdansk (CI TASK) is established, since 2008 equipped with the fastest computer in Poland and CEE

2004

- A new building of the Faculty of Management and Economics – the youngest of GUT faculties

2008

- A modern building of the Faculty of Electronics, Telecommunications and Informatics
2012

• The clock tower on the Main Building, reconstructed after 67 years

2013

• Nanotechnology Centre of Gdańsk University of Technology is established
Patrons

Jan Hevelius
created in Gdańsk the first world’s great astronomical observatory equipped with telescopes was a physicist and a technician discovered centuries old changes in magnetic declination constructed Poland’s first pendulum clock conceived, designed, and built the first world’s periscope, as well as the first micrometer screw

Daniel Gabriel Fahrenheit :
mainly known for being the first to use mercury in temperature measuring devices (previously alcohol was used) and developed his own scale of 0 to 212 degrees physicist and engineer born in Gdańsk
• elegant, modern, and eco-friendly building
• charming and majestic 19th century edifices
• modern auditoriums
• well equipped specialised laboratories
Modern supporting units and educational and research centres:

- **Nanotechnology Centre** - 25 modern laboratories equipped with unique devices for tests at the level of atoms
- **LINTE^2 Laboratory of Innovative Electrical Power Technologies and Integration of Renewable Energy Sources**
- **Maths and Distance Learning Centre** - uses the most modern ICT technologies in modern tools for mathematical modelling and visualisation of data
- **Academic Computer Centre in Gdansk (CI TASK)** - functions as a Supercomputer Centre
- **Interizon – Pomeranian ICT Cluster that brings together** 140 entities – the most dynamically growing cluster in Poland
- **Centre for Knowledge and Technology Transfer** – supports innovative activities at university
**Academic Sports Centre** – modern sports facilities accessible to all students and employees

- two swimming-pools: 25 m and 12,5 m
- a full size football pitch 64m x 105m
- a sports hall, a volleyball pitch, outdoor tennis courts
- a fitness gym, body-building gyms, a rowing gym, and a judo gym
<table>
<thead>
<tr>
<th>DATE</th>
<th>CAMPUS AREA (HA)</th>
<th>Total Volume of Buildings (M3)</th>
<th>Academic Teachers</th>
<th>Number of Students</th>
</tr>
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<tbody>
<tr>
<td>1904</td>
<td>6,4</td>
<td>200 000</td>
<td>85</td>
<td>599</td>
</tr>
<tr>
<td>1929</td>
<td>6,5</td>
<td>222 000</td>
<td>152</td>
<td>1630</td>
</tr>
<tr>
<td>1945</td>
<td>14</td>
<td>16% were destroyed</td>
<td>112</td>
<td>1647</td>
</tr>
<tr>
<td>1989</td>
<td>about 45</td>
<td>255 688</td>
<td>1345</td>
<td>5 700</td>
</tr>
<tr>
<td>2014</td>
<td>over 77</td>
<td>803 582</td>
<td>1260</td>
<td>27 000</td>
</tr>
</tbody>
</table>
Study offer

Number of students: 1904 to 2012
The structure of studies and the number of students per each type:

- Full-time studies: 22,087
- Part-time studies: 3,130
- Post-graduate and MBA studies: 1,454
- Doctoral studies: 627
• First and second cycles studies, full-time and part-time
  - 38 fields of undergraduate studies
  - 27 fields of graduate studies, including:
    - 3 inter faculty fields of study
    - 2 inter-university fields of study – both unique on a national scale:
      „Medical and Mechanical Engineering” and „Chemistry of Building Materials”
• 2 fields of undergraduate and 9 fields of graduate studies in English
• 7 fields of postgraduate (doctorate) studies, both full-time and part-time
• 56 postgraduate study courses
• MBA Studies in three learning paths
• more than 1 200 academic staff members

Over 100 000 graduates!
- 1904-1939
  11 080 people graduated from the University of Technology in Gdansk
- since 1945
the total number of all graduates - 89 000
**Chemical Faculty**
BSc in Environmental Protection and Management
Duration: 3.5 years
Tuition: 3600 EUR/year

**Faculty of Electronics, Telecommunications and Informatics**
MSc in Electronics and Telecommunications
Specialisation I: Computer Electronic Systems
Specialisation II: Radio Communication Systems and Networks
Duration: 1.5 years
Tuition: 3100 EUR/year

**MSc in Informatics**
Specialisation: Distributed Applications and Internet Services
Duration: 1.5 years
Tuition: 3100 EUR/year

**MSc in Control Engineering and Robotics**
Specialisation: I: Decision Systems
Specialisation: II: Automatic Control Systems
Duration: 1.5 years
Tuition: 3100 EUR/year
Fields of study in English

Faculty of Electrical and Control Engineering
MSc in Automatic Control and Robotics
Specialisation: Signal Processing
Duration: 1.5 years
Tuition: 5500 EUR/year

Faculty of Civil and Environmental Engineering
MSc in Civil Engineering
MSc in Environmental Engineering
Duration: 1.5 years
Tuition: 4000 EUR/year

Faculty of Mechanical Engineering
MSc in Mechanical Engineering
Specialisation: International Design Engineer
Duration: 1.5 years
Tuition: 4200 EUR/year
Faculty of Management and Economics
BSc in Management
Duration: 3 years
Tuition: 4000 EUR/year

MA in Management
Specialisation I: International Management
Specialisation II: Small Business Economics and Management
Duration: 2 years
Tuition: 4200 EUR/year

MBA in Healthcare
Duration: 2 years
Tuition: 9500 EUR

MBA in Strategy and Programme Management
MBA Sports Management
Duration: 2 years
Tuition: 10 000 EUR
Fields of study in Polish

Faculty of Architecture
1. Architecture and Urban Planning
2. Spatial Development

Chemical Faculty
3. Biotechnology
4. Chemistry
5. Environmental Protection Technology
6. Chemical Technology
7. Environmental Protection and Management
8. Conservation and Degradation of Materials

Faculty of Electronics, Telecommunications and Informatics
9. Automation Control and Robotics
10. Electronics and Telecommunications
11. Informatics
Faculty of Electrical and Control Engineering
11. Automatic Control and Robotics
12. Electrical Engineering

Faculty of Applied Physics and Mathematics
13. Technical Physics
14. Mathematics
15. Nanotechnology

Faculty of Civil and Environmental Engineering
16. Civil Engineering
17. Environmental Engineering
18. Transport
19. Geodesy and Cartography

Faculty of Mechanical Engineering
20. Mechanical Engineering
21. Mechatronics
22. Management and Production Engineering
Fields of study in Polish

Faculty of Ocean Engineering and Ship Technology
23. Ocean Engineering
24. Transport

Faculty of Management and Economics
25. Management and Marketing
26. Management
27. European Studies
28. Informatics and Econometrics

Interdisciplinary Courses
29. Power Engineering
30. Biomedical Engineering
31. Material Engineering

Inter-university Studies
32. Chemistry of Building Materials
33. Medical and Mechanical Engineering
Fields of study in Polish

Gdańsk University of Technology offers programmes leading to doctoral degree at the following Faculties:

Chemistry
Electronics, Telecommunications and Informatics
Electrical and Control Engineering
Applied Physics and Mathematics
Civil and Environmental Engineering
Mechanical Engineering
Ocean Engineering and Ship Technology

University offers also Europin PhD Programme and International Design Engineer Programme
56 postgraduate study courses:
- City Spatial Development Management
- Fiber-optic Telecommunications
- Computer System Diagnostics and Monitoring on Technical Computer-Aided Engineering (CAE)
- ISO Standards and Quality Management (TQM)

MBA Studies at the Faculty of Management and Economics

In three learning paths:
- Strategy and Programme Management
- Sports Management
- Healthcare Management
The largest and the oldest but also the most modern technical library in Pomerania

9 branch libraries at the faculties
5 specialist reading rooms
2 rental points
440 seats in reading rooms
200 computers with access to the Internet

1.200.000 library holdings
37.000 active users in the VTLS Virtua system

Access to:
• 32 scientific data bases
• 30.000 different e-journals
• 87.000 different e-books
• e-norms
electronic library services
on-line catalogue

Leader of the Tricity Library Group
Leader of the Pomeranian Digital Library
Partner of the Europeana and Universal Library projects
Graduates employment statistics*

- 92% of graduates are currently employed
- 79% of graduates are employed in line with their field of studies
- 86% of graduates would choose Gdańsk University of Technology again

*Satisfaction with graduating from the GUT

*From the GUT 2010 graduates employment statistics.
- 2nd most popular with candidates university in Poland according to the ranking of the Ministry of Science and Higher Education. Third time in a row!
- 3rd position with regard to salaries of university graduates in Poland
- 4th position in the ranking of universities which graduates hold CEO positions
- the best Chemical Faculty in Poland according to the Polish Accreditation Committee and the Ministry of Science and Higher Education
- 8th position in Poland, 3rd position among Polish universities of technology and 654th in the WORLD classification in Webometrics Ranking of World Universities
A new model of education focused on team designing and acquiring skills such as:
  – efficient collaboration
  – undertaking risk
  – analytical problem solving

Winning a competition for European funding to realise the project

The funds raised will be spent on infrastructure modernisation and new laboratories

921 posts for carrying out practical classes will be created
the ECTS label:
- an international certificate of quality of the study
- awarded to the institutions that offer high quality of education
- we are the second university in Poland to have received it
- only 28 universities in Europe

member of international consortium CDIO:
- Emphasis on the training of engineers basing on the algorithm Conceive – Design – Implement – Operate
Digital University

Paper documents → Digital repositories

Legislative procedures → Information services

Manual services → Integrated system
- Renovation of old buildings and halls, water and sewage system, power grid and heating system
- Implementation of model energy saving and ecological solutions
- Being modern on an international scale
Scientific research and cooperation with business

- at present 300 inventions ready for implementation
- 200 research and development projects financed with home and international funds currently carried out
- the total value of these projects amounts to nearly 500 mln PLN (c. 119 mln EUR).
- 800 agreements with entrepreneurs during 3 years

Cyber Eye – Polish invention of 2013

Intelligent pen

DOMESTIC – personal virtual assistant for the old and the ill

Underwater hotel
Scientific research and cooperation with business
Gdańsk University of Technology hosts international students from more than 30 countries.

The biggest groups of international students come from: Spain, China, Russia, Oman, Ukraine and Belarus.
Number of international students in years: