




**AGH**

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## AGH University of Science and Technology

The AGH University of Science and Technology is at present one of the oldest (established in 1913), biggest, and best Polish technical universities. Contrary to its traditional name, the University has a wide portfolio of education, covering virtually all scientific issues related to technical or similar sciences. The profile and scope of education as well as research at AGH UST is constantly changing and developing, as we are aspiring to be continually up to date with demands of the present times.

counterparts in any other Polish universities. We want to preserve this uniqueness by combining knowledge of technology and arts, especially since we employ highly qualified and internationally recognised staff in many unique fields (environmental protection, environmental engineering, underground renovation of historical monuments and archeometallurgy, multimedia and social communication, geotourism, management in specified industries, biomaterials and biomedical engineering).

attractive educational offer and innovative research in the fields strategic for the national economy are our true asset.

A wide scope of research conducted at the university is a result of the contemporary structure which has been shaped over the last 100 years; the development of the university units was connected with the dynamic development of economy of the country. Invariably, the ambition of AGH UST has been getting ahead of present time, which results in many innovative solutions in different areas. Today, the university comprises 16 faculties. Their research activity is connected with traditional, yet constantly developing branches of industry and economy (mining, drilling, metallurgy...), and with particular fields of Earth and technical sciences (geology, geodesy, electrical engineering...). Well represented are also faculties conducting research in dynamically developing disciplines such as computer science, telecom-munications, and biomedical engineering, as well as faculties connected with the basic sciences (mathematics, physics, geophysics, and sociology).

The university is a creative place. This fact is confirmed by annual reports published by the Polish Patent Office, where we are in the lead among institutions submitting the largest number of inventions and utility models. Every year, we obtain over 100 patents and sell several dozen licences. Our activity is also noticeable on the European arena.

The AGH UST campus is located in the centre of the most beautiful Polish city – Krakow. Modern teaching and research facilities with laboratories equipped with unique apparatus, comfortable conditions, numerous



### My beautiful AGH UST memory

**Raquel Pérez Robles (Mexico):** *I study at the IPN (National Polytechnic Institute). Studying in Krakow at AGH UST has helped me in my professional career, because I do not go to classes only to accomplish attendance but due to the desire for learning and opening my mind to the knowledge which is being provided to me. This experience would not have been achieved without SMILE – an exchange programme enhancing mobility between Latin America and Europe and without the help of prestigious and highly valued AGH University of Science and Technology.*

*The memories of experiences in every classroom, of every trip or party I have had are unique moments that I will never forget because "I learned from my mistakes and I lived my joys". I have met people of different nationalities, different cultures and customs and in each of them, all parts of the world could be found. We should care about this variety. But what I am most proud of is that I found between these people some good friends for life. Will I see them again? I do not know, but I will keep each of the joys I shared with them.*

We are following the requirements of dynamically changing labour market, closely watching directions of changes in economy, administration and politics.

The mission of our university is up-to-date education of engineers who specialise in many branches of technology (offering more than 60 courses and over 200 specialisations). It is worth mentioning that many of AGH UST specialisations are unique and they have no

There are around 30 000 students studying at 16 faculties. PhD courses are also conducted – there are more than 1 000 PhD students at AGH UST. 16 faculties are authorized to confer the degree of Doctor of Science or Doctor of Philosophy.

The AGH University of Science and Technology in Krakow is a university of modern technologies with great prospects for the future. A varied and

### Programmes of study in English

- BSc in Electronics and Telecommunications
- BSc in Mechatronic Engineering
- BSc in Computer Science

- MSc in Automatics Control and Robotics: *Cyber-Physical Systems*
- MSc in Chemical Technology: *Energy Transition*
- MSc in Electrical Engineering: *Smart Grids Technology Platform*
- MSc in Computer Science: *Systems Modelling and Data Analysis*

- MSc in Electronics and Telecommunications: *Networks and Services*
- MA in Management: *International Management*
- MSc in Materials Engineering: *Advanced Materials – Processing and Characterization*
- MSc in Materials Engineering: *Functional Materials*
- MSc in Materials Engineering: *Modern Materials, Design and Application*
- MSc in Mechatronic Engineering: *Mechatronic Design*

- MSc in Mining and Geology: *Economic Geology*
- MSc in Geophysics: *Applied Geophysics*
- MSc in Mining and Geology: *Mining Engineering*
- MSc in Civil Engineering: *Geotechnical Engineering and Underground Construction*
- MA in Sociology: *Technology and Society*
- MSc in Computer Aided Process Engineering: *Virtualization of Foundry Engineering*
- Postgraduate Studies in Drilling Engineering

### Fields of study in Polish

- *automatyka i robotyka* Automatics Control and Robotics
- *budownictwo* Civil Engineering
- *ceramika* Ceramics
- *chemia budowlana* Chemistry of Building Materials
- *cyberbezpieczeństwo\** Cybersecurity
- *edukacja techniczno-informatyczna* Education in Technology and Computer Science
- *ekologiczne źródła energii* Ecological Sources of Energy
- *elektronika* Electronics
- *elektronika i telekomunikacja* Electronics and Telecommunications
- *elektrotechnika* Electrical Engineering
- *energetyka* Energy Engineering
- *energetyka odnawialna i zarządzanie energią* Renewable Energy and Management
- *fizyka medyczna* Medical Physics
- *fizyka techniczna* Technical Physics
- *geodezja i kartografia* Geodesy, Surveying and Cartography
- *geofizyka* Geophysics
- *geoinformacja* Geoinformation
- *geoinformatyka* Geoinformatics
- *geoinżynieria i górnictwo otworowe* Geoengineering and Borehole Mining
- *geologia stosowana* Applied Geology
- *geoturystyka* Geotourism
- *informatyka* Computer Science
- *informatyka i ekonometria* Information Technology and Econometrics

- *informatyka społeczna* Social Informatics
- *informatyka stosowana* Applied Computer Science
- *informatyka techniczna* Computer Science in Technology
- *inżynieria akustyczna* Acoustic Engineering
- *inżynieria biomedyczna* Biomedical Engineering
- *inżynieria ciepła* Heat Engineering
- *inżynieria górnicza* Mining Engineering
- *inżynieria i analiza danych* Data Science
- *inżynieria i monitoring środowiska* Environmental Engineering and Monitoring
- *inżynieria i ochrona środowiska* Environmental Engineering and Protection
- *inżynieria i zarządzanie procesami przemysłowymi* Engineering and Management of Industrial Processes
- *inżynieria kształtowania środowiska* Environmental Engineering
- *inżynieria materiałowa* Materials Engineering
- *inżynieria mechaniczna i materiałowa* Mechanical and Materials Engineering
- *inżynieria metali nieżelaznych* Non-Ferrous Metals Science and Engineering
- *inżynieria naftowa i gazownicza* Oil and Gas Engineering
- *inżynieria obliczeniowa* Computational Engineering
- *inżynieria procesów odlewniczych* Foundry Processes Engineering
- *inżynieria produkcji i jakości* Production and Quality Engineering

- *komputerowe wspomaganie procesów inżynierskich* Computer Aided Process Engineering
- *kulturoznawstwo* Cultural Studies
- *matematyka* Mathematics
- *materiały i technologie metali nieżelaznych\** Materials and Technologies of Non-Ferrous Metals
- *mechanika i budowa maszyn* Mechanical Engineering
- *metalurgia* Metallurgy
- *mikro- i nanotechnologie w biofizyce\** Micro- and Nanotechnologies in Biophysics
- *mikroelektronika w technice i medycynie* Microelectronics in Industry and Medicine
- *nowoczesne technologie w kryminalistyce\** Modern Technologies in Forensics
- *paliwa i środowisko\** Fuels and Environment
- *recykling i metalurgia* Recycling and Metallurgy
- *rewitalizacja terenów zdegradowanych* Revitalization of Post-Industrial Areas
- *socjologia* Sociology
- *technologia chemiczna* Chemical Technology
- *teleinformatyka* Teleinformatics
- *tworzywa i technologie motoryzacyjne\** Materials and Technologies for Automotive
- *zarządzanie* Management
- *zarządzanie i inżynieria produkcji* Management and Production Engineering

\* - kierunek planowany do utworzenia

**Facts & figures:** • Established in 1913 • 2205 academic staff • 29 935 students (34,2% women)

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improvements for people with disabilities, and the largest campus in Poland – these are only some of its many assets.

The compact complex of AGH UST buildings is located in one district of Krakow and covers the area of 38 ha. An integral part of the university campus is the AGH UST Student Campus, covering the area of 13 ha.

Comfortable conditions are a great asset of the student houses – access to the Internet, special places for learning, TV rooms, and club rooms. The student campus has its own sports fields (including a modern football pitch, and volleyball and basketball courts with artificial surfaces), and tennis courts. A very modern AGH UST Swimming Pool is another great asset. Close proximity of the Krakow Blonia Park and Park Jordana allows runners, joggers, cyclists, and roller skaters to spend time actively in the picturesque and green areas of the city.

AGH UST is a special place with unique atmosphere; it is a place of ideas, successes and friendships for life.

