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-Hutnicza im. Stanisława  
Staszica w Krakowie**

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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

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

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, telecommunications, 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

## AGH UST – the University that inspires me



**Doan Manh Ha, Faculty of Geology, Geophysics and Environmental Protection, Vietnam:**

*I am Doan Manh Ha from Vietnam, a fellow of the UNESCO / Poland Co-Sponsored Fellowships Programme in Engineering, edition 2017 A. After the fellowship, I got the scholarship to continue my studies at the second-cycle degree of Economic Geology at AGH UST. Studying at AGH UST gave me one of the most valuable chances to become a more independent and self-confident person. It enriched my inner world, prepared me to cope with work under pressure and made me eager to learn. The memories of experiences I have had at AGH UST are not only about the lectures with the expert professors, technical field trips where you are always encouraged to think outside*

*the box, but also about the chances to meet people from all over the world with diverse cultural background, sharing knowledge, broadening the mind. Two years at AGH UST helped me to realize that immersing in the education system of Poland is a great way to really experience and understand the people, Polish traditions, and its culture. I am proud to be an AGH UST student, to be a foreign student in Poland. Wherever I go, I will carry with me all of these unique moments.*

aspiring to be continually up to date with demands of the present times. 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 over 70 fields of study). It is worth mentioning that many of AGH UST courses are unique and they have no counterparts in

specified industries, biomaterials and biomedical engineering). There are around 21 000 students studying at 16 faculties.

The AGH Doctoral School prepares its students for obtaining a doctoral degree in 17 disciplines. Doctoral students pursue their scientific interests based on personally developed research and study plans. 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 Computer Physics
- BSc in Computer Science
- BSc in Electronics and Telecommunications
- BSc in Mechatronic Engineering with English as instruction language
- MA in Management: International Management
- MSc in Applied Geology: Economic Geology
- MSc in Automatic Control and Robotics: Cyber-physical Systems
- MSc in Chemical Technology: Chemical Technologies in Energy Sector
- MSc in Computer Science and Intelligent Systems: Artificial Intelligence and Data Analysis
- MSc in Electrical Engineering: Smart Grids Technology Platform
- MSc in Energy and Environmental Engineering
- MSc in Energy Engineering: Energy Transition
- MSc in Geospatial Computer Science: Remote Sensing and GIS
- MSc in Geophysics: Applied Geophysics
- MSc in Materials Engineering: Functional Materials
- MSc in Mechatronic Engineering with English as instruction language
- MSc in Metalcasting Engineering\*
- MSc in Metallurgical Engineering
- MSc in Mining Engineering: Mining Engineering
- MSc in Modern Materials Design and Application
- MSc in Oil and Gas Engineering: Petroleum Engineering
- MSc in Raw Materials Value Chain: Raw Materials Value Chain\*
- MSc in Renewable Energy and Energy Management: Sustainable Energy Systems

\* planned to be conducted

## Fields of study in Polish

- *automatyka i robotyka* Automatic Control and Robotics
- *automatyka przemysłowa i robotyka* Industrial Control and Robotics
- *budownictwo* Civil Engineering
- *ceramika* Ceramics
- *chemia budowlana* Chemistry of Building Materials
- *chemia w kryminalistyce* Chemistry in Forensics
- *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
- *energetyka wodorowa* Hydrogen Energy
- *fizyka medyczna* Medical Physics
- *fizyka techniczna* Technical Physics
- *geodezja i kartografia* Geodesy, Surveying and Cartography
- *geofizyka* Geophysics
- *geoinformatyka* Geoinformatics
- *geoinżynieria i górnictwo otworowe* Geoen지니어ing and Borehole Mining
- *geologia stosowana* Applied Geology
- *geoturystyka* Geotourism
- *informatyka* Computer Science
- *informatyka – Data Science* Computer Science – Data Science
- *informatyka geoprzestrzenna* Geospatial Computer Science
- *informatyka i ekonometria* Information Technology and Econometrics
- *informatyka i systemy inteligentne* Computer Science and Intelligent Systems
- *informatyka społeczna* Social Informatics
- *informatyka stosowana* Applied Computer Science
- *informatyka techniczna* Computer Science in Technology
- *inżynieria akustyczna* Acoustic Engineering
- *inżynieria bezpieczeństwa* Safety 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 mechatroniczna* Mechatronic Engineering
- *inżynieria metali* Metals Engineering
- *inżynieria metali nieżelaznych* Non-Ferrous Metals Science and Engineering
- *inżynieria naftowa i gazownicza* Oil and Gas Engineering
- *inżynieria naftowa i gazownicza* Oli and Gas Engineering-practical profile
- *inżynieria obliczeniowa* Computational Engineering
- *inżynieria procesów odlewniczych* Foundry Processes Engineering
- *inżynieria procesów przemysłowych* Manufacturing 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 dla energetyki i lotnictwa* Materials and Technologies for Energy and Aviation
- *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
- *nanoinżynieria materiałów* Materials Nanoengineering
- *nowoczesne technologie paliwowe* Modern Fuel Technologies
- *nowoczesne technologie w kryminalistyce* Modern Technologies in Forensics
- *recykling i metalurgia* Recycling and Metallurgy
- *rewitalizacja terenów zdegradowanych* Revitalization of Post-Industrial Areas
- *socjologia* Sociology
- *technologia chemiczna* Chemical Technology
- *technologie przemysłu 4.0* Industry 4.0 Technologies
- *teleinformatyka* Teleinformatics
- *tworzywa i technologie motoryzacyjne* Materials and Technologies for Automotive
- *zarządzanie* Management
- *zarządzanie i inżynieria produkcji* Management and Production Engineering
- *zmiany klimatu - przeciwdziałanie i adaptacja* Climate Change - Mitigation and Adaptation

**Facts & figures:** ● Established in 1913 ● ~ 2300 academic staff ● ~ 21 000 students

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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 40 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 Błonia 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.

