



河南理工大学

HENAN POLYTECHNIC UNIVERSITY



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2023

Henan Polytechnic University

10009





Integrity Responsibility Action



Chancellor's Welcome

Over the past 114 years, HPU has developed from a mining college into one of the most prestigious comprehensive universities at both the provincial and national levels. “Integrity, responsibility and action” is what we consistently lay stress on. You will discover a more positive and better version of yourself at HPU! Welcome to HPU!

—Prof. ZOU Youfeng



President's Message



Standing on the new starting line, HPUers will tenaciously remain true to our original aspiration and keep firmly in mind our mission of building HPU into a first-class university with distinct characteristics in China. Given the opportunity, HPU will help change you into a better version of yourself, one full of “Hope, Persistence, and Uniqueness” ! Waiting for you at HPU!

— Prof. YANG Xiaolin

At a Glance

1st mining institute in China

1st higher institution in Henan Province

Top 2‰ discipline in the ESI global list
• Engineering

Top 1% disciplines in the ESI global list
• Materials Science
• Chemistry
• Earth Science
• Mathematics
• Environment/Ecology
• Engineering Science
• Computer Science

Have a Positive U at HPU

45800
students

Undergraduates:40000

Postgraduates:5800

3

campuses
in Jiaozuo

a total area of 675 acres

3 libraries

4 modern stadiums and gyms

3279

faculty and staff members

12 academicians

1250 full professors and associate professors

300+ guest professors from other prominent universities in China and abroad

2

affiliated
hospitals

23

schools

80

Bachelor's
Programs

48

Master's
Programs

6

Doctoral
Programs

6

Postdoctoral
Stations

¥ 884

million invested in teaching
and research equipment

5781

SCI-indexed

2521

patents

¥ 3.08

billion funded in
research

69

scientific
research
platforms

8

State Science and
Technology Progress Awards

18

accredited
engineering Programs

Academic Calendar

2 Semesters

Feb./Mar.— July

Sep.—Jan.

Summer Holiday

Winter Holiday

Jul.—Aug.

Jan.—Feb./Mar.



Located in Jiaozuo, Henan Province
a famous tourist city & the birthplace of Tai Chi

North Campus

No. 142, Jiefang Middle Road, Jiaozuo

School of Literature and Law
School of Architecture and Artistic Design
School of Medicine
School of Continuing Education
Occupational Safety Training Center

West Campus

No.55, Jianshe West Road, Jiaozuo

Medical Secondary School

South(Main) Campus

No. 2001, Shiji Road, Jiaozuo

19 Schools
Administrative Offices





Henan Province



Schools and Bachelor's Programs

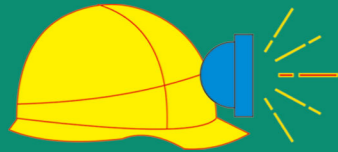
School of Energy Science and Engineering



- Mining Engineering
- Traffic Engineering
- Intelligent Mining Engineering
- New Energy Science and Engineering

School of Safety Science and Engineering

- Safety Engineering
- Fire Protection Engineering



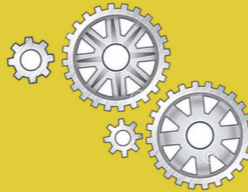
School of Mathematics and Information Science

- Mathematics and Applied Mathematics
- Information and Computing Science



School of Mechanical and Power Engineering

- Mechanical Design Manufacture & Automation
- Energy and Power Engineering
- Measuring & Control Technology and Instrumentation
- Automotive Engineering
- Intelligent Manufacturing Engineering
- Mechatronic Engineering



School of Materials Science and Engineering

- Materials Science and Engineering
- Materials Forming and Control Engineering
- Smart Materials and Structures
- New Energy Materials and Devices



School of Electrical Engineering and Automation

- Electrical Engineering and Automation
- Automation
- Rail Traffic Signal and Control
- Robotics Engineering



School of Surveying and Land Information Engineering

- Surveying and Mapping Engineering
- Land Resources Management
- Remote Sensing Science and Technology
- Physiography and Resources Environment
- Human Geography and Urban-Rural Planning
- Geographic Information Science



School of Civil Engineering

- Civil Engineering
- Engineering Management
- Building Environment and Energy Application Engineering
- Engineering Mechanics
- Urban Underground Space Engineering



School of Resources and Environment

- Geological Engineering
- Resources Exploration Engineering
- Environmental Engineering
- Hydrology and Water Resources Engineering
- Geo-information Science and Technology



School of Chemistry and Chemical Engineering

- Applied Chemistry
- Mineral Processing Engineering
- Chemical Engineering and Technology
- Energy Storage Science and Engineering



School of Physics and Electronic Information

- Applied Physics
- Electronic Information Engineering
- Communications Engineering
- Microelectronics Science and Engineering
- Artificial Intelligence



Schools and Bachelor's Programs

School of Emergency Management

- Public Administration
- Management Science
- Emergency Technology and Management



School of Literature and Law

- Chinese Language and Literature
- Science of Law



School of Business Administration

- Business Management
- Human Resources Management
- Tourism Management
- Marketing
- Industrial Engineering



School of Music

- Musical Performance
- Choreograph



School of Finance and Economics

- Accounting
- Financial Management
- Digital Economy
- Finance



School of Computer Science and Technology

- Computer Science and Technology
- Internet of Things Engineering



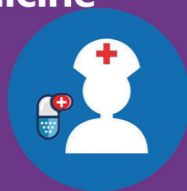
School of Architecture and Artistic Design

- Architecture
- Urban and Rural Planning
- Industrial Design
- Visual Communication Design
- Environment Design



School of Medicine

- Nursing
- Pharmacy
- Clinical Medicine



School of Foreign Studies

- English
- Japanese



School of Software

- Data Science and Big Data Technology
- Software Engineering
- Cyberspace Security



School of Physical Education (School of Taijiquan)

- Social Sports Management
- Wushu and Traditional Sports



Graduate School

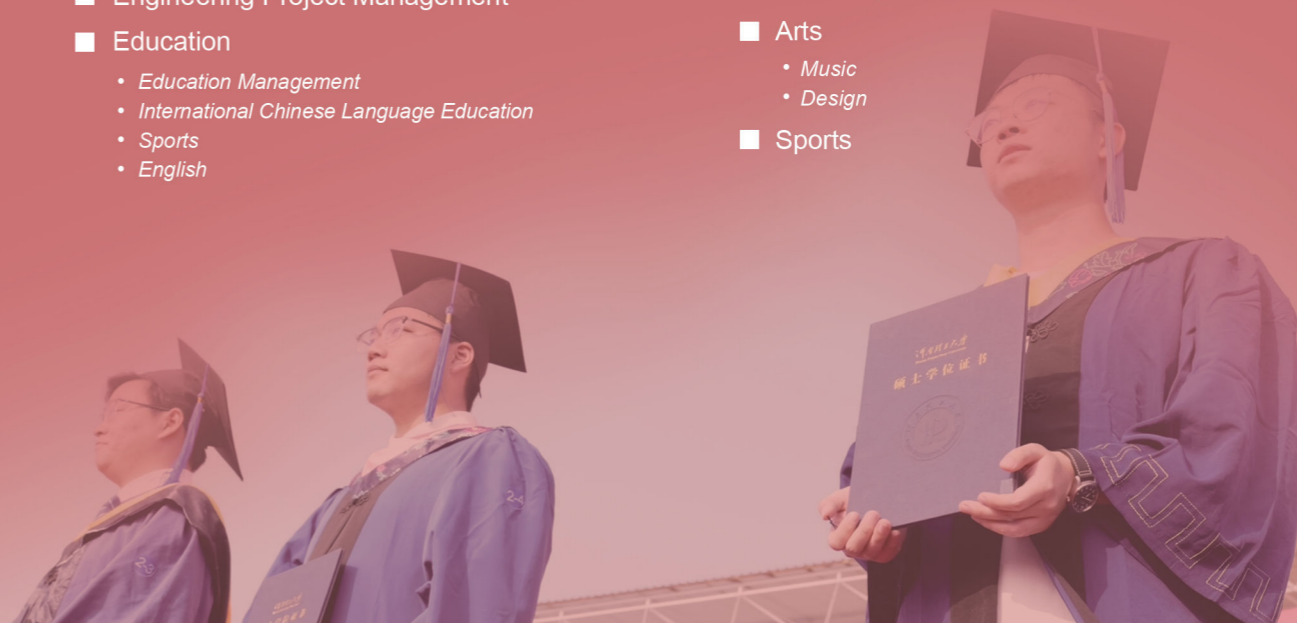
The Master's Programs and Doctoral Programs represent a closer connection between education and research. The programs are designed to meet the need for the academic ability and technical training for the postgraduates. For years, HPU has cultivated thousands of excellent high-level talents to make contributions to the economic, social and industrial development in China and beyond.

Master's Programs

- Safety Science and Engineering
- Mining Engineering
- Surveying and Mapping Science and Technology
- Geography
- Geology
- Geological Resources and Geological Engineering
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering
- Materials Science and Engineering
- Mechanics
- Instrument Science and Technology
- Power Engineering and Engineering Thermophysics
- Information and Communication Engineering
- Control Science and Engineering
- Computer Science and Technology
- Chemical Engineering and Technology
- Transportation Engineering
- Environmental Science and Engineering
- Software Engineering
- Architecture
- Mathematics
- Management Science and Engineering
- Business Administration
- Public Administration
- Chinese Language and Literature
- Marxism

Master's Programs

- Safety Engineering
- Geological Engineering
- Surveying and Mapping Engineering
- Civil Engineering and Hydraulic Engineering
- Power Engineering
- Electronic Information
- Materials and Chemistry
- Resources and Environment
- Biology and Medicine
- Transportation
- Engineering Project Management
- Education
 - Education Management
 - International Chinese Language Education
 - Sports
 - English
- Finance
 - Applied Statistics
- Management
 - MBA
 - MPA
 - Accounting
 - Engineering Project Management
 - Logistics Engineering and Management
- Master of Translation and Interpreting
 - English Translation
- Law
- Landscape Architecture
- Arts
 - Music
 - Design
- Sports





Graduate School

Doctoral Programs

- Safety Science and Engineering
- Mining Engineering
- Geological Resources and Geological Engineering
- Surveying and Mapping Science and Technology
- Mechanical Engineering
- Materials Science and Engineering

Postdoctoral Stations

- Safety Science and Engineering
- Mining Engineering
- Geological Resources and Geological Engineering
- Surveying and Mapping Science and Technology
- Mechanical Engineering
- Materials Science and Engineering

Teaching



National First-class Bachelor Programs

- Resources Exploration Engineering
- Public Administration
- Communication Engineering
- Urban Underground Space Engineering
- Civil Engineering
- Engineering Mechanics
- Engineering Management
- Software Engineering
- Mining Engineering
- Computer Science and Technology
- Mechanical Design Manufacture and Automation
- Automotive Engineering
- Measuring & Control Technology and Instrumentation
- Energy and Power Engineering
- Mineral Processing Engineering
- Business Management
- Human Resources Management
- Electrical Engineering and Automation
- Automation
- Surveying and Mapping Engineering
- Financial Management
- Accounting
- Materials Science and Engineering
- Safety Engineering

National Distinctive Bachelor Programs

- Safety Engineering
- Mining Engineering
- Surveying and Mapping Engineering
- Geological Engineering
- Mechanical Design Manufacture & Automation
- Automotive Engineering
- Civil Engineering
- Business Management
- Mineral Processing Engineering
- Computer Science and Technology

National Teaching Teams

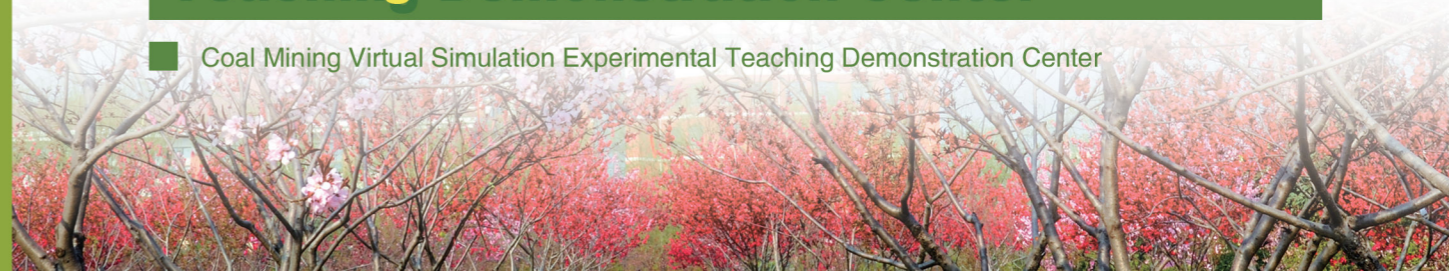
- Coal geology and gas geology teaching team
- Mining engineering teaching team
- "Three Electro-" basic course teaching team
- Safety engineering teaching team

National Experimental Teaching Demonstration Centers

- Electrical and Electronics Experimental Teaching Demonstration Center
- Engineering Training Experimental Teaching Demonstration Center
- Safety Engineering Experimental Teaching Demonstration Center
- Surveying and Mapping Engineering Experimental Teaching Demonstration Center
- Coal Geology and Exploration Engineering Experimental Teaching Demonstration Center

National Virtual Simulation Experimental Teaching Demonstration Center

- Coal Mining Virtual Simulation Experimental Teaching Demonstration Center



Teaching

Excellent Engineer Education and Training Pilot Programs by Ministry of Education

- Mining Engineering
- Safety Engineering
- Surveying and Mapping Engineering
- Mineral Processing Engineering
- Automation
- Geological Engineering

National Professional Comprehensive Reform Programs

- Safety Engineering
- Mining Engineering
- Surveying and Mapping Engineering

National Accredited Engineering-related Undergraduate Programs

- Geological Engineering
- Resources Exploration Engineering
- Civil Engineering
- Mining Engineering
- Computer Science and Technology
- Mechanical Design Manufacture & Automation
- Automotive Engineering
- Measuring and Control Technology and Instrumentation
- Energy and Power Engineering
- Mineral Processing Engineering
- Business Management
- Electrical Engineering and Automation
- Automation
- Surveying and Mapping Engineering
- Remote Sensing Science and Technology
- Materials Forming and Control Engineering
- Materials Science and Engineering
- Safety Engineering

- **National Joint Training Demonstration Base for Graduate Students of Engineering**
- **Pilot Construction Unit for Postgraduate Courses by Ministry of Education**
- **National Continuing Education Base for Professionals**
- **National Coal Mine Safety Training Demonstration Base**
- **National Innovation and Entrepreneurship Base for University Students**
- **National College Students' Innovation and Entrepreneurship Training Program**

Research

State Science and Technology Progress Award (Second Prize)

- 10KV direct downhole power supply for small and medium-sized mines
- Monitoring and early warning techniques and devices for electromagnetic radiation from blast pressure in coal mines and their applications
- Study of geological regularity and application of coal mine gas in China
- Development of key technologies and equipment for acquiring large-scale arrays of digital aerial imagery
- National ecological function zoning
- Theoretical studies and key technological applications of precision blasting in demolition engineering
- Key technical systems and engineering applications for safe and efficient coal seam gas extraction
- Key technologies and applications for efficient exploitation of coalbed methane reservoirs in complex geologic conditions

China Patent Award (Excellence)

- Gas extraction technology of borehole hydraulic fracturing and anti-reflection in coal mine
- Coal dust backfilling and sealing method of gas pre-pumping borehole
- A method and device for enhancing the efficiency of anchor cable anchoring



Research

National Research Centers

Research Platforms

- State Key Laboratory Cultivation Base for Gas Geology and Gas Control
- State and Local Joint Engineering Laboratory for Gas Drainage & Ground Control of Deep Mines
- Collaborative Innovation Center of Coal Work Safety and Clean High Efficiency Utilization

Ministerial and Provincial Research Centers

Research Platforms

- Key Laboratory of Coal Mine Disaster Prevention and Control, Ministry of Education
- Engineering Research Center for Coal Mine Disaster Prevention and Rescue, Ministry of Education
- Key Laboratory of Mine Spatio-Temporal Information and Ecological Restoration, Ministry of Natural Resources
- Research and Development Platform for Gas Drainage & Ground Control of Deep Mines, Ministry of Emergency Management
- Henan Provincial Emergency Management Technology Research and Training Base
- Emergency Management Laboratory
- Energy Economic Research Center
- Safety and Emergency Management Research Center
- Taihang Development Research Institute
- Central Plains Rural Revitalization Institute
- Research Centre of Arable Land Protection and Urban-rural High-quality Development of Yellow River Basin
- Research Center of Henan Provincial University Think Tank Development
- Tai Chi Culture Research Center

Provincial Key Laboratories

Research Platforms

- Henan Key Laboratory of Coal Mine Methane and Fire Prevention
- Henan Key Laboratory of Green and Efficient Mining and Comprehensive Utilization of Mineral Resources
- Henan Key Laboratory of Mine Spatial Information Technology
- Henan Key Laboratory of Intelligent Detection and Control of Coal Mine Equipment
- Henan Key Laboratory of Coal Green Conversion
- Henan Key Laboratory of Materials on Deep-Earth Engineering
- Henan Key Laboratory of Underground Engineering Disaster Prevention
- Henan Key Laboratory of Biogenic Traces and Sedimentary Minerals



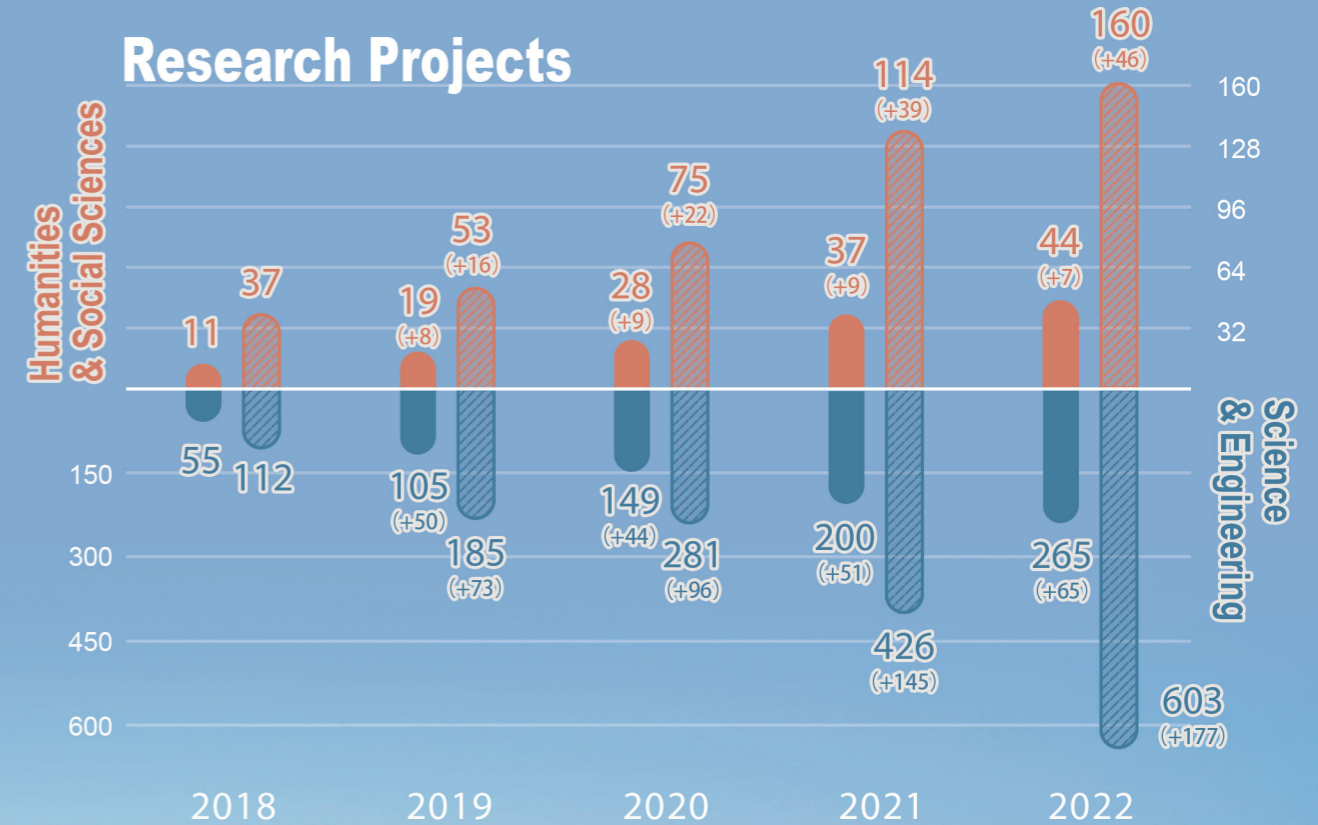
Research

Provincial Key Laboratories

Research Platforms

- Henan International Joint Laboratory of Coal Mine Safety and Occupational Hazards Prevention and Control
- Henan International Joint Laboratory for Unconventional Energy Geology and Development
- Henan International Joint Laboratory of Coal Clean Utilization
- Henan International Joint Laboratory of Ground Control in Mines
- Henan International Joint Laboratory of Underground Space Development and Disaster Prevention
- Henan International Joint Laboratory of Biogenic Traces and Sedimentary Minerals
- Henan International Joint Laboratory for High Performance Metallic Material and Their Numerical Simulation
- Henan International Joint Laboratory of Direct Drive and Control of Intelligent Equipment
- Henan International Joint Laboratory of Advanced Electronic Packaging Materials Precision Forming

Research Projects



- **National Level**
Humanities & Social Sciences
- ▨ **Ministerial and Provincial Level**
Humanities & Social Sciences
- **National Level**
Science & Engineering
- ▨ **Ministerial and Provincial Level**
Science & Engineering

International Cooperation and Exchange

103 partner universities and institutions
in **over 30** countries and regions



1 International College accredited by the Ministry of Education in China

4 Co-education programs accredited by the Ministry of Education in China

300+ International students from 30 countries



International Programs

Student Programs

- short-term exchange programs
- dual degree programs at undergraduate and postgraduate level

Faculty Programs

- visiting scholar
- lectures and workshops
- guest research fellow
- continuing education

International Cooperation and Exchange

International Programs

Research Programs

- joint research programs
- international research teams
- international conferences and seminars
- occupational training programs

Cultural Programs

- summer camps
- Tai Chi and Chinese culture events
- Chinese language courses



Take off!

HPU, GO!

