Welcome to HUST!

5th Summer School On Intelligent Signal Processing Frontier Research And Industry
Huazhong University of Science and Technology

The INFIERI school will be hosted at HUST
Wuhan

the Capital of Hubei Province

A Megacity with a population of 11 million
Industrial, Educational, Cultural and Transportation Center
84 HEI, 1.26 million University Students
The Oriental Chicago
Location
Tongji Medical University (TJMU) + Huazhong Institute of Technology (HIT) + Wuhan Urban Construction Institute (WUCI) → Huazhong University of Science and Technology

1907

1952

1952

2000

Rename in 1988: Huazhong University of Science and Technology (Former HUST)

“211” Project “985” Project “Double First-Class” Initiative

A comprehensive research-based University under the direct supervision of the MOE of China
<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Best Chinese Universities Rank</td>
<td>8</td>
</tr>
<tr>
<td>QS Graduate Employability Rank</td>
<td>7</td>
</tr>
<tr>
<td>Academic Ranking of World</td>
<td>151-200</td>
</tr>
<tr>
<td>Universities 2018 (Chinese</td>
<td></td>
</tr>
<tr>
<td>Universities)</td>
<td></td>
</tr>
<tr>
<td>Hectares</td>
<td>470.5</td>
</tr>
<tr>
<td>Greenery Coverage</td>
<td>72%</td>
</tr>
<tr>
<td>Undergraduate students</td>
<td>30738</td>
</tr>
<tr>
<td>Graduate students</td>
<td>21813</td>
</tr>
<tr>
<td>International students</td>
<td>4049</td>
</tr>
<tr>
<td>Faculty and Staff</td>
<td>6611</td>
</tr>
<tr>
<td>Professors</td>
<td>1115</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>1383</td>
</tr>
</tbody>
</table>
16 ACADEMICIANS

6 Academy Fellows of Chinese Academy of Sciences (CAS)

10 Academy Fellows of Chinese Academy of Engineering (CAE)
10 Fields of Disciplines

Science
Education
Engineering
Medicine
Philosophy
Economics
Liberal Arts
Management
Law
Literature

98 undergraduate programs
214 master programs
183 PhD programs
39 post-doctoral research centers
7 National Key First-level Disciplines
15 National Key Sub-Disciplines
## DISCIPLINE RANKING IN CHINA - 2017

### A (top10%): 14

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical Engineering</td>
<td>A+</td>
</tr>
<tr>
<td>Optical engineering</td>
<td>A+(top2%)</td>
</tr>
<tr>
<td>Bio-Medical Engineering</td>
<td>A+</td>
</tr>
<tr>
<td>Public Health &amp; Preventive Medicine</td>
<td>A+</td>
</tr>
<tr>
<td>Journalism &amp; Communication</td>
<td>A</td>
</tr>
<tr>
<td>Electrical Engineering</td>
<td>A-</td>
</tr>
<tr>
<td>Computer Science &amp; Technology</td>
<td>A</td>
</tr>
<tr>
<td>Physics</td>
<td>A-</td>
</tr>
<tr>
<td>Sociology</td>
<td>A-</td>
</tr>
<tr>
<td>Power Engineering and Engineering</td>
<td>A-</td>
</tr>
<tr>
<td>Thermophysics</td>
<td>A-</td>
</tr>
<tr>
<td>Control Science &amp; Engineering</td>
<td>A-</td>
</tr>
<tr>
<td>Clinical Medicine</td>
<td>A-</td>
</tr>
<tr>
<td>Business Administration</td>
<td>A-</td>
</tr>
<tr>
<td>Public Administration</td>
<td>A-</td>
</tr>
</tbody>
</table>

### B+(10%-20%): 19

<table>
<thead>
<tr>
<th>Discipline</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Philosophy</td>
<td>Electronic Science and Technology</td>
</tr>
<tr>
<td>Theoretical Economics</td>
<td>Information and Communication Engineering</td>
</tr>
<tr>
<td>Applied Economics</td>
<td>Architecture</td>
</tr>
<tr>
<td>Sociology</td>
<td>Civil Engineering</td>
</tr>
<tr>
<td>Marxist Theory</td>
<td>Environmental Science and Engineering</td>
</tr>
<tr>
<td>Education</td>
<td>Urban and Rural Planning</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Basic Medicine</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Pharmacy</td>
</tr>
<tr>
<td>Mechanics</td>
<td>Management Science and Engineering</td>
</tr>
<tr>
<td>Materials Science and Engineering</td>
<td></td>
</tr>
</tbody>
</table>

Published by China Academic Degrees and Graduate Education Development Center
ESI (Essential Science Indicators)

- TOP 1% in 15 research fields, 10th in China
- TOP 0.1% in 3 research fields, 8th in China

- **ENGINEERING** TOP 0.02%
- **COMPUTER SCIENCE** TOP 0.09%
- **MATERIAL SCIENCE** TOP 0.09%
- **CLINICAL MEDICINE** TOP 0.11%
- **CHEMISTRY** TOP 0.19%
- **PHARMOCOLOGY AND TOXICOLOGY** TOP 0.25%
- **BIOLOGY & BIOCHEMISTRY** TOP 0.43%
- **PHYSICS** TOP 0.43%
- **NEUROSCIENCE & BEHAVIOR** TOP 0.53%
- **SOCIAL SCIENCE, GENERAL** TOP 0.65%
- **MOLECULAR BIOLOGY & GENETICS** TOP 0.71%
- **IMMUNOLOGY** TOP 0.74%
- **ENVIRONMENTAL & ECOLOGY** TOP 0.85%
- **AGRICULTURAL SCIENCE** TOP 0.86%
- **MATHEMATICS** TOP 0.91%

Published by Clarivate Analytics on May 10, 2018
Developed by U.S. Institute of Technology and Information (ISI)
Renowned ALUMNI

Over 30 Academicians (including CAS CAE & international)
Over 50 Presidents of Higher Education Institutions

May 29-30, 2017, “Capital & Intelligence Feedback Wuhan (资智回汉)”, total investment signed by HUST alumni entrepreneurs reached 98.97 billion RMB.

陈刚 Chen Gang
Academician (USA NAE)
Professor, MIT

周济 Zhou Ji
Academician (CAE)
President of CAE

叶荫宇 Ye Yinyu
Professor
Stanford University

罗俊 Luo Jun
Academician (CAS)
President of Sun Yat-sen University

汪潮涌 Wang Chaoyong
CEO, China Equity Group Inc

李娜 Li Na
Chinese Professional Tennis Player
(the first and only Grand Slam singles champion from Asia)

陈宗年 Chen Zongnian
Chairman, Hangzhou Hikvision Digital Technology Co. Ltd.
Asia Pacific’s Most Innovative Universities – 2017
HUST - 6th Among Mainland Universities

Forbes
UNDER 30
2017 top 30 Chinese Entrepreneurs under the age of 30
7 alumni were listed
The research funding has experienced a steady growth in recent years (In Million RMB)
• WuHan National Research Center for Optoelectronics (Wuhan National Laboratory for Optoelectronics)
• Wuhan National High Magnetic Field Center
• High-Precision Gravity Measurement Center

• State Key Lab: 5
• National Engineering Research Center: 6
• National Engineering Lab: 1
Science & Technology Park

HUST  Needs & funding  Industry

LABS  INCUBATOR  SCIENCE PARK  MARKET
Wuhan Optics Valley of China

- The second National Independent Innovative Demonstration Zone
- More than 23,700 registered enterprises

HUST is the first Advocator of the Optics Valley Concept and the Technical Engine for Its Development

Institute of New Energy, Wuhan (INEW)
Social Services

- The Tongji Medical College of HUST has 10 affiliated hospitals
- They provide medical service which is of vital importance to the people around

- Number of Affiliated Hospitals: 20
- Total Beds: 20,000+
- Annual Outpatients: 20 Million
- Annual Inpatients: 400,000
- Annual Operations: 200,000

Union Hospital

Tongji Hospital

Liyuan Hospital
International Joint Research Platform

International Conference

Joint Education and Exchange Programs

International Student Education

Confucius Institute

Double First-Class Initiative
International University Partners

About 200 universities in 35 countries and regions

Germany

United Kingdom

United States of America

France

Russia

Australia

Canada
Enterprise Partners

HUST works closely with the industry
Many Joint Research Centers have been established
Admission - Degree Program Offered in English

6 Bachelor's Programs, 82 Master's Programs, 87 PhD's Programs in English Medium

<table>
<thead>
<tr>
<th>Category</th>
<th>Master Programs</th>
<th>PhD Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science, Technology &amp; Engineering</td>
<td>26</td>
<td>40</td>
</tr>
<tr>
<td>Management &amp; Economics</td>
<td>16</td>
<td>14</td>
</tr>
<tr>
<td>Literature, Education &amp; Philosophy</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>Medicine</td>
<td>37</td>
<td>27</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>82</strong></td>
<td><strong>87</strong></td>
</tr>
</tbody>
</table>

Application Date:
- Foundation program: November 15th to January 15th
- Major course: March 15th to July 31th
Scholarships

• **Confucius Institute Scholarship**
  Available for: Masters and Doctors
  Full Scholarship covers: tuition, accommodation, insurance, living allowance, one-time settlement subsidy

• **Entrance Scholarship**
  Available for: New Undergraduate Students
  2000-5000 RMB once

• **Chinese Government Scholarship**
  1. Bilateral Program: Undergraduate, Postgraduate and Scholar programs
  2. Chinese University Program: Masters and Doctors
     Full Scholarship

• **HUST President Scholarship**
  Available for: Masters
  Partial Scholarship covers tuition fee only
The four seasons in Wuhan are distinct, whatever season it is, HUST can always radiate its charm with different looks.
HUST Campus Life - Library

3 libraries with a collection of 10.45 million volumes
HUST has long enjoyed the good reputation of “Hard Working and Diligent Student” since its foundation. The teaching buildings provide convenient accesses for the students.
HUST offers stadiums and private gym for sports and physical exercise
HUST Campus Life - Canteen

There are more than 30 canteens on campus and each serves many different kinds of foods.
HUST Campus Life- Cafeterias

There are different Cafeterias to meet different needs.
Introduction Part 2

Welcome to HUST!

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