

Ways to Future for Universities

- International Collaboration



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BRIEF INTRODUCTION

■ University History

- Tsinghua School from 1911
- National Tsinghua University from 1928
- Southwest Associated University at Kunming from 1937
- Tsinghua University from 1949
- Multi-disciplinary University of Engineering beginning from 1952
- Comprehensive, Research-oriented and Open reconstructed in 1978-2000

BRIEF INTRODUCTION

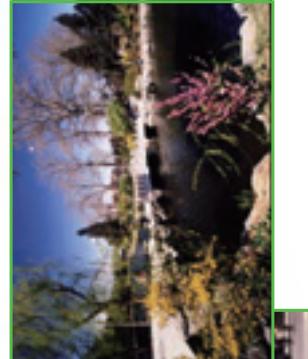
■ Campus Size

清华大学
Tsinghua University



395 Hectares

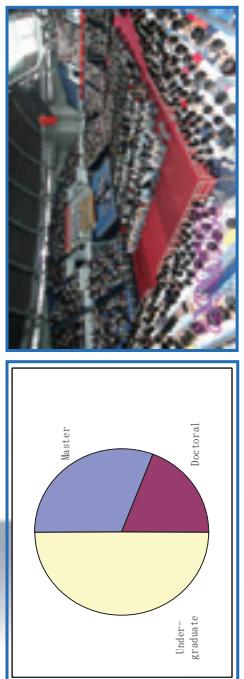
清华大学
Tsinghua University



395 Hectares

BRIEF INTRODUCTION

- Undergraduates 13,788
- Graduates 13,547



BRIEF INTRODUCTION

■ Comprehensive University

13 Schools

- Aerospace
- Arts and Design
- Architecture
- Civil Engineering
- Economics and Management
- Humanities and Social Sciences
- Information Science and Technology
- Journalism and Communication
- Law
- Mechanical Engineering
- Medicine
- Public Policy and Management
- Sciences

5 Independent Departments

- Chemical Engineering
- Environmental Science and Eng.
- Electrical Engineering and Applied Electronic Technology
- Engineering Physics
- Materials Science and Engineering

BRIEF INTRODUCTION

■ Research-Oriented University

■ Laboratories

- National Lab for Information Science and Technology 1
- State Key Laboratories 11
- MOE/MOST Key Laboratories 15
- Beijing Key Laboratories 4
- Engineering Centers 5
- National Engineering Research Centers

170

11

4

5

BRIEF INTRODUCTION

■ Open University – International Partnership

- 153 universities in 29 countries
- 33 companies from top 100 companies in the world
- 57 joint-labs and joint research/training centers

University Level Agreement

NORTH AMERICAN	
41 University Level Agreement from 3 countries	
American	33
Canadian	2
Mexican	1

EUROPE

66 University Level Agreement

ASIA

49 University Level Agreement

OCEANIA

13 University Level Agreement from 2 countries

Australia	1
New Zealand	2
Other	1

REVIEW ON PROGRAMS

- Fundamental Collaboration
 - Joint Education Programs
 - Programs for Foreign Students
 - Distinguished Foreign Expert Programs
 - Joint Research Programs
 - Cooperation with Industries

REVIEW ON PROGRAMS

- Fundamental Collaboration – Joint Education Programs
 - Joint degree programs with world leading universities
 - Student exchange programs with world leading universities
 - Joint programs supported by Chinese National Foundation for Studying Abroad

REVIEW ON PROGRAMS

- Fundamental Collaboration -- Programs for Foreign Students
 - Degree programs
 - For all degrees
 - Non-degree programs
 - For exchange students, language students, etc
- Scholarship for Foreign Students
 - Chinese Government Scholarship
 - Beijing Municipal Government Scholarship
 - Tsinghua University Scholarship

REVIEW ON PROGRAMS

- Fundamental Collaboration -- Distinguished Foreign Expert Programs
 - World-class scholars (such as Nobel Laureates, famous scholars) invited to deliver courses
 - Chief professors assigned for the key disciplines in departments
 - Distinguished research professors invited for the state key labs
 - Scholars employed for foreign language courses

REVIEW ON PROGRAMS

■ Fundamental Collaboration – Joint Research Programs

- Inter-disciplinary projects with multi-national enterprises
- **Joint R&D institutes**
 - University + Enterprises + University
e.g. Tsinghua + Samsung + KAIST
 - University + University + Governors
e.g. EU Framework
 - University + University
e.g. Tsinghua + Harvard

REVIEW ON PROGRAMS

■ Cooperation with Industries

- **Tsinghua University-Industry Cooperation Committee**
Founded in 1995 with 180 membership (147 domestic and 33 foreign enterprises)

Overview for Collaboration

■ WHY is international collaboration the way to future for universities

- Education globality
- More and more oversea students
- Research globality
- Open to the world, including
- Faculty globality
- On the global platform

Education exchange globality!

Overview for Collaboration

■ WHAT to do for international collaboration

- **STANDARD**
Adopted to approach the global understanding
- **Education PLATFORM**
Open to the world, including
 - Tsinghua students:
 - International students:
- **Research PLATFORM**
Studying experience abroad
- **Faculty PLATFORM**
Studying freely in Tsinghua
- **On the global platform**
Assessed and recruited based on the international standard

Overview for Collaboration

- **WHEN** to implement
 - **Currently**, based on the fundamental cooperation
 - **Shortly**, exploring all opportunity to setup
 - Students exchange programs, furthermore
 - Joint research institutes, paying more attention to
 - Faculty recruitment, globally
 - **Chronically**, approach to the international standard for better mutual understanding

Conclusion

- Enhance cooperation with strategic partner universities in AEARU both in education and scientific research and development
- Carry out trans-disciplinary, cutting-edge, and multi-level cooperation with universities in AEARU and industries

Thank you!

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