



真

清华大学求真书院
QiuZhen College, Tsinghua University

EXPLORE QIUZHEN COLLEGE





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WELCOME TO BEIJING

China is a beautiful ancient Eastern country.
Beijing is the capital city of China. It served as the capital for numerous dynasties. Today, it stands as the center of China's economy, culture, and politics.



故宫博物院

WELCOME TO TSINGHUA UNIVERSITY

Founded in 1911, Tsinghua University is one of the most prestigious higher education institutions in the world. Located in the northwest of Beijing, it is surrounded by a number of historical sites. With the motto of “*Self-discipline and Social Commitment*” and driven by the spirit of “*Actions Speak Louder Than Words*”, Tsinghua University is dedicated to nurturing talented students and promoting advanced scientific research.

厚德
載物
自強
不息



Top 14

in the 2023 QS

World University Rankings

The World's

Top 10

Most Beautiful Campuses



Since China's opening up to the world in 1978, Tsinghua University has experienced a rapid transformation into a comprehensive research university.

Currently, the university encompasses **21** schools and **59** departments, offering a range of disciplines such as science, engineering, humanities, law, medicine, history, philosophy, economics, management, education and art.



WELCOME TO QIUZHEN COLLEGE

*Qiuzhen college
a new college established*

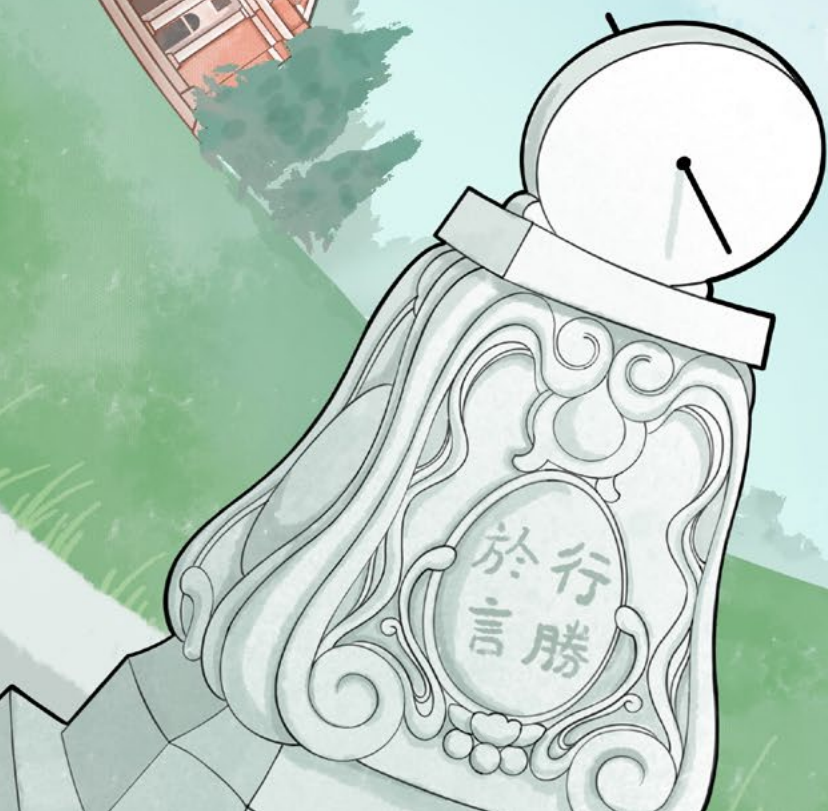
About Qiuzhen college

Studying at Qiuzhen

Growth at Qiuzhen

Living at Qiuzhen

Support at Qiuzhen





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ABOUT QIUZHEN COLLEGE

Introduction to QiuZhen College

QiuZhen College was established at Tsinghua University in 2021 with the goal of providing world-class mathematical education.

In the same year, the first batch of students was enrolled in the “**Yau Mathematical Science Leaders Program**”, and students from the “**Yau Mathematical Science Talents Program**” would continue their study in the college.



Prof. Shing-Tung Yau was appointed as Dean of QiuZhen College



The Inaugural Ceremony of QiuZhen College on April 20th, 2021

Shing-Tung Yau

Shing-Tung Yau

Dean of Qiuzhen College

1982 Fields Medalist

MacArthur Fellow (1985)

Winner of the Crawford Prize (1994)

Wolf Prize (2010)

Marcel Grossman Award (2018)

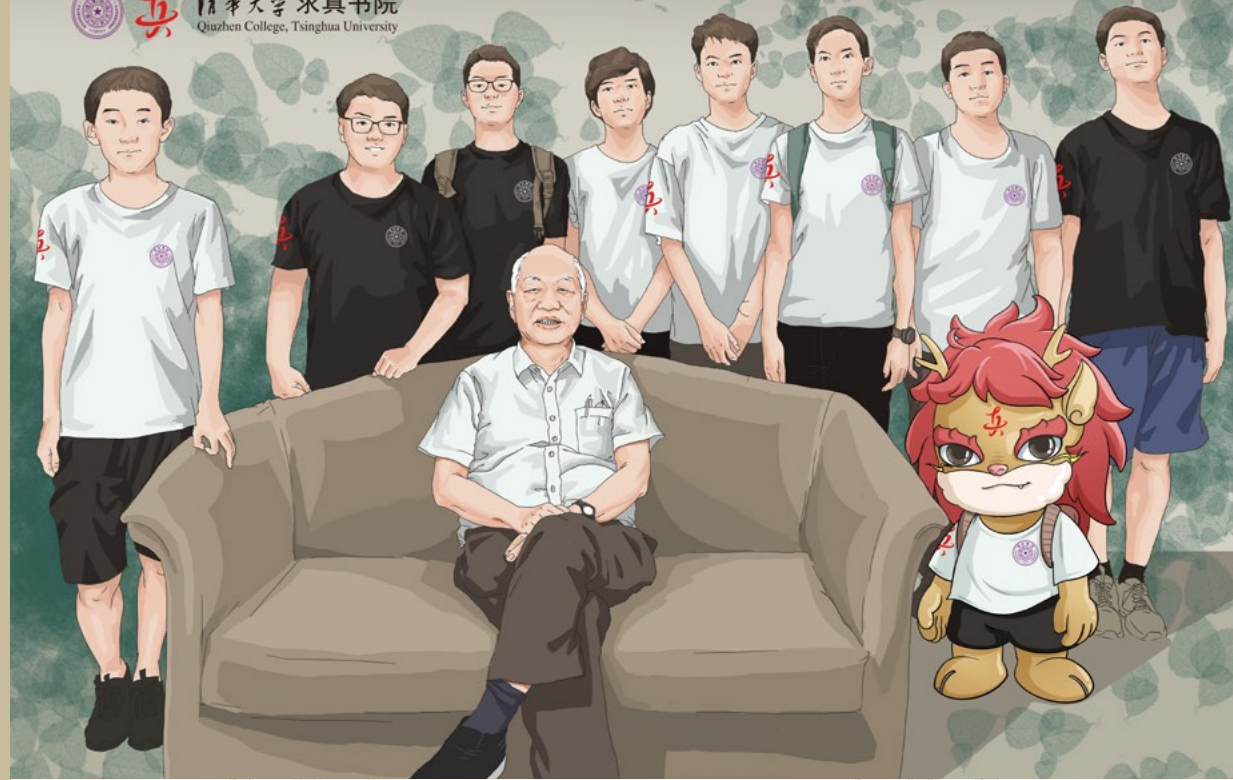
The only mathematician who has received all of the five awards.

Member of the National Academy of Sciences, U.S.A.

Member of the American Academy of Arts and Sciences

Foreign Member of the Chinese Academy of Sciences

Foreign Member of the Russian Academy of Sciences



Qiuzhen Kylin

Qiuzhen Kylin is the mascot of Qiuzhen College. In ancient Chinese mythology, Kylin is one of the five auspicious beasts, alongside the dragon, phoenix, turtle and pixiu. These creatures are revered as symbols of good fortune and prosperity. According to ancient beliefs, the presence of Kyilins signifies the arrival of luck and positive outcomes. Over time, they became associated with individuals who possess both exceptional abilities and unwavering integrity.





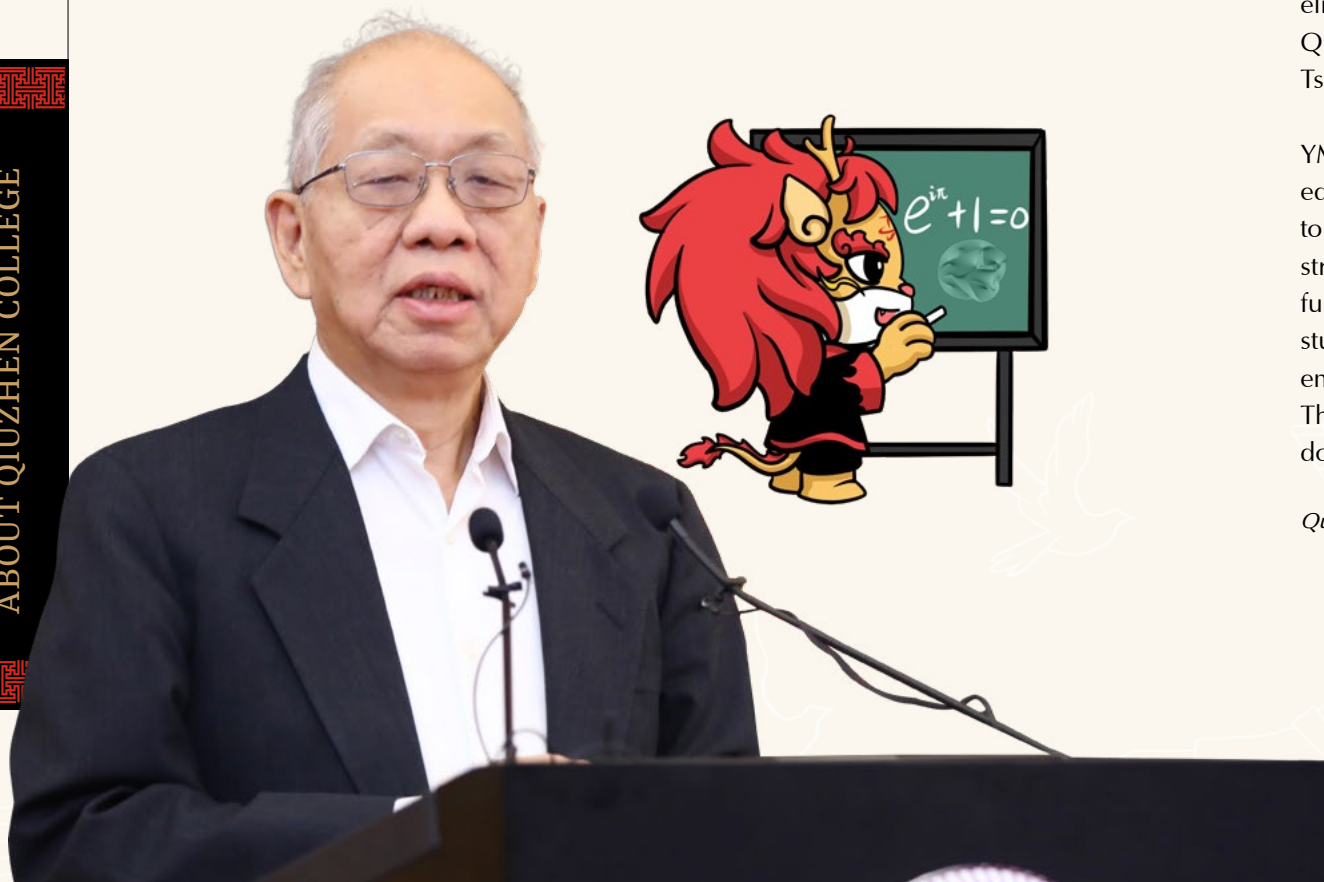
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ABOUT QIUZHEN COLLEGE

QiuZhen College now offers three degree programs

- › YAU Mathematical Sciences Leaders Program
- › YAU Mathematical Sciences Talents Program
- › Doctoral Program in Mathematics



Opening Ceremony of YAU Mathematical Sciences Leaders Program Preparatory Class



YAU Mathematical Sciences Leaders Program

YAU Mathematical Sciences Leaders Program was initiated in late 2020, and was open to both domestic and international students who met the eligibility requirements. In April, 2021, QiuZhen College was founded at Tsinghua University.

YMSP is an **8-year** continuous educational program from undergraduate to doctoral degrees, following a "3+2+3" structure. The first three years focus on fundamental mathematics and physics studies. The subsequent two years emphasize scientific research training. The final three years are dedicated to doctoral studies.

Qualified students can apply for early graduation.



Introduction to Pre-College Period

Students who have passed the early assessment are required to undergo preparatory training in the spring semester before formal enrollment. They will take customized preparatory courses given by faculty members from relevant departments of Tsinghua University. The objective is to help students of different age groups quickly assimilate into college life, and be ready for the upcoming university stage.



Admission Requirements

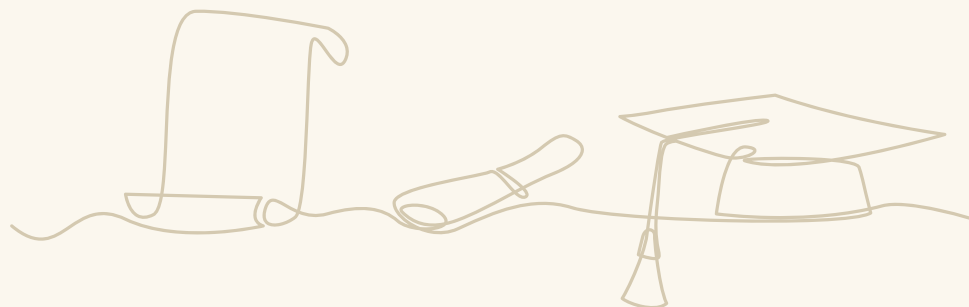
- 01 Applicants should be in good physical and mental health, demonstrate outstanding academic performance, and show great potential in the field of mathematical sciences.
- 02 The program is also open to international students, Chinese students from Hong Kong, Macau, and Taiwan, as well as students currently studying abroad.

© APPLICATION WEBSITE
<http://join-tsinghua.edu.cn>



YAU Mathematical Sciences Talents Program

The YAU Mathematical Sciences Talents Program was initiated in 2018 as a 4-year undergraduate program. Following the establishment of QiuZhen College in 2021, students enrolled in the program would continue their studies in the college.



Admission Requirements

- 01 Applicants should be in good physical and mental health, demonstrate outstanding academic performance, and show great potential in the field of mathematical sciences.
- 02 Applicants who have successfully passed the admission assessment of QiuZhen College are required to participate in the National College Entrance Examination, commonly known as "Gaokao" and reach the minimum score line for admission of first-class university.
- 03 For students in the third grade of junior high school or the first grade of senior high school, who get "excellent grade" in the admission assessment of QiuZhen College, the college allows them to retain their qualification for one year until they meet the requirements of *Gaokao*. The Academy reserves the right of final interpretation of this clause.

④ APPLICATION WEBSITE
<https://admission.join-tsinghua.edu.cn>
(Please choose "丘成桐数学英才班")



Doctoral Program in Mathematics

Since 2022, QiuZhen College has been accepting PhD applications from students worldwide.



Admission Requirements



- 01 Applicants must hold a bachelor's or master's degree, and meet the University and College requirements for admission.
- 02 The admission process typically begins in late August each year for students from Mainland China, mid-October for international students, and November for students from Hong Kong, Macau, and Taiwan.

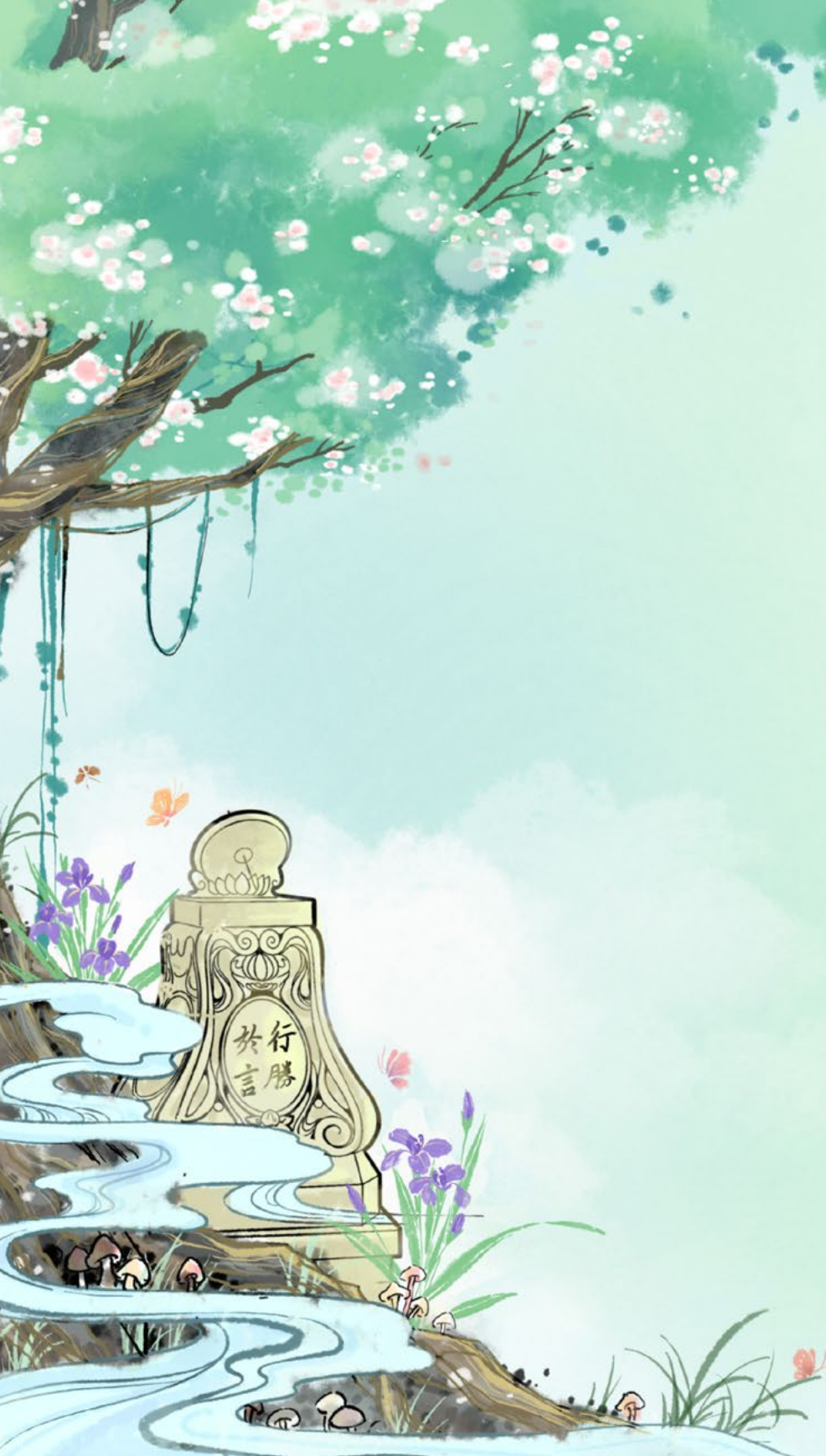
© APPLICATION WEBSITE

<https://yzbm.tsinghua.edu.cn/ndLogin>
(For Students from mainland China)

<http://gradadmission.tsinghua.edu.cn/f/login>
(For International students)

<https://yzbm.tsinghua.edu.cn/gatLogin>
(For Students from Hongkong, Macao and Taiwan)





01

STUDYING AT QIUZHEN

1. FACULTY
2. GENERAL
EDUCATION
3. PROFESSIONAL
EDUCATION
4. ACADEMIC
ACTIVITIES



Faculty

Our Faculty members are from Yau Mathematics Science Center, Tsinghua University (YMSC), Beijing Institute of Mathematical Sciences and Applications (BIMSA), and Morningside Center of Mathematics, Chinese Academy of Sciences. YMSC was established in December 2009, and led by Professor Shing-Tung Yau. In the past decade, under Prof. Yau's leadership, YMSC has achieved significant progress in various areas, including the recruitment of exceptional faculty, cutting-edge scientific research and the development of mathematical discipline.

As a result of these efforts, YMSC has emerged as a world-class research centers with substantial international influence. In the 2023 QS World University Rankings by Mathematics, Tsinghua is ranked 26th among the world's top universities. World-renowned mathematicians and mathematical physicists have joined YMSC, contributing to the talent cultivation endeavors of QiuZhen College.



Prof. Shing-Tung Yau

- 1982 Fields Medalist



Prof. Caucher Birkar

- 2018 Fields Medalist

Two Fields Medalists: Prof. Shing-Tung Yau and Prof. Caucher Birkar



Prof. Nicolai Reshetikhin

- Co-founder of Low-dimensional topology, representation theory and quantum field theory
- Member of American Mathematical Society



Prof. Donald Bruce Rubin

- Co-founder of applied statistics
- American Academy of Sciences and Arts fellow
- Founder and former head of Statistics Department of Harvard University



Prof. Akito Futaki

- Top scholar in differential geometry



General Education

QiuZhen College places a strong emphasis on general education. In addition to foundational courses such as mathematics and physics, the College has developed a comprehensive range of general education courses in order to cultivate "generalists".

"History of Mathematics"

Professor Shing-Tung Yau teaches the history of mathematics. In his class, he helps students to have a deeper understanding of mathematics by elaborating on how the subject was developed over time and in various places. He also shares the stories of brilliant mathematicians and their contributions to inspire students and encourage creative thinking.



"Science History Lectures" & "QiuZhen Lectures"

QiuZhen College designs and organizes series of lectures such as "Science History Lectures" and "QiuZhen Lectures", covering knowledge from humanistic poetry to astronomical science and technology and AI, from communication and expression to artistic aesthetics to broaden students' horizons. Lectures are held by well-known scholars in various research fields.



Professional Education

The professional education offered by Qiuzhen College emphasizes basic mathematics, applied mathematics, theoretical physics, and mathematics-based interdisciplinary subjects.

Focusing on future research, Qiuzhen College covers a wide range of research areas, including but not limited to Analysis & Differential Equations, Algebra & Number Theory, Geometry & Topology, Probability & Statistics, Theoretical Physics, and Computational & Applied Mathematics.

Mathematics-X Plan is an interdisciplinary program aiming to create extraordinary academic opportunities for students. The program provides solid training in mathematics and various math-related subjects, thus enabling students to address interdisciplinary real-world problems. Math-X joint PhD program is offered by Qiuzhen College and School of Economics and Management, Department of Automation, School of Life Sciences at Tsinghua University. Qualified students will be able to select courses and research supervisors from both departments, participate in interdisciplinary lectures, and pursue advanced interdisciplinary research.

- ① MATH-X joint PhD Program Agreement Signing Ceremony with School of Economics and Management
- ② MATH-X joint PhD Program Agreement Signing Ceremony with Department of Automation
- ③ MATH-X joint PhD Program Agreement Signing Ceremony with School of Life Sciences



Academic Activities

The Tsinghua Open Problems Seminar (TOPS)

Introduced in March 2023, the Tsinghua Open Problems Seminar (TOPS) serves as an important platform for students of Qiuzhen College to learn about the frontiers of mathematical sciences and begin their journey of scientific research. TOPS emphasizes the cultivation of students' interest in cutting-edge problems, which are collected in the Tsinghua Open Problems Set, providing plenty of research materials for students. TOPS solicits problems from 12 important research fields, including Combinatorics and Discrete Geometry, Algebra and Representation Theory, Number Theory and Arithmetic Geometry, Algebraic Geometry, Geometric Analysis, Evolution Equation and General Relativity, Ordinary Differential Equation and Dynamical System, Topology and Symplectic Geometry, Mathematical Physics, Probability and Statistical Physics, Statistics and Data Science, and Applied Mathematics. Each month top research scholars from home and abroad are invited to give presentations and exchange ideas with students.



Presentation by **Maxim Kontsevich**
Russian-French mathematician
Permanent professor at IHES
1998 Fields Medalist



Presentation by **Kenji Fukaya**

Japanese mathematician
Permanent faculty member at the Simons Center for Geometry
Physics and professor of mathematics at Stony Brook University

Seminars and Workshops

QiuZhen College fosters a vibrant exchange between faculty and students, and encourages students to organize seminars and workshops based on their own interests while receiving guidance from professors. Students have many opportunities to attend lectures delivered by outstanding scholars and engage in insightful exchanges with them.



Students attended an academic exchange at the Kuangou Conference Center in Beijing





1. CHINESE HISTORY
STUDY TOUR

2. TRAVELER'S EYES
PRESENTATION

3. HONORS
AND AWARDS

4. π -DAY CHALLENGE

5. THE COMING-OF-AGE
CEREMONY

6. COLLEGE'S
ANNIVERSARY

7. THE BIRTHDAY
PARTY OF
PROF. SHING-TUNG YAU

8. SPORTS CLUBS



02

GROWTH
AT QIUZHEN





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GROWTH AT QIUZHEN



Visit Temple of Confucius in Qufu



Visit Elephant Trunk Hill in Guilin



Visit Mount Tai in Tai'an

Chinese History Study Tour

Professor Shing-Tung Yau attaches high importance to the nurturing of humanistic qualities. In light of this, he proposed the establishment of Chinese History Study Tour. The immersive tour has taken students from QiuZhen College to various cities across the country, such as Xi'an, Guiyang, Guilin, Nanjing, Anyang, Hangzhou, Qufu, and Tai'an.



Traveler's Eyes Presentation

The "Traveler's Eyes Presentation" was initiated by Prof. Shing-Tung Yau in 2022, drawing inspiration from a poem of ancient China. This activity serves as a platform for students from QiuZhen College to delve into the history of mathematics.

The primary objective of the presentation is to help middle and high school students gain a deeper understanding of the history of mathematics. It highlights the significant contributions made by mathematicians throughout different periods and countries, as well as the overall development of mathematics. Moreover, the presentation aims to make the profound concepts of mathematics more accessible to a wider audience.

To date, the "Traveler's Eyes Presentation" has been successfully conducted in nine cities, including Zunyi, Guilin, Hangzhou, Nanjing, Hefei, Shanghai, Qufu, Guangzhou, and Beijing. More than 4,000 students have attended the presentations in person, and the lectures have been broadcasted across the country, achieving over five million views.



Prof. Yau delivered the speech



Prof. Shing-Tung Yau and the students who asked questions during Q&A



Traveler's Eyes Presentation in Qufu in March 2023.



Zunyi, Guizhou



Guilin, Guangxi



Guilin, Guangxi



Nanjing, Jiangsu



Hefei, Anhui



Shanghai

ICCM 毕业论文奖颁奖典礼 ICCM BEST THESIS AWARD PRESENTATION CEREMONY

主办 Organizer



协办 Co-organizers



Honors and Awards

At the 9th International Congress of Chinese Mathematicians (ICCM) held in 2022, Jiayu Ma and Hao Guo won the “6th ICCM Graduation Thesis Award” while Zhongzi Wang and Zhefan Duan received the “ICCM Creative Undergraduate Thesis Award”.

Jiayu Ma and Hao Guo won the 6th ICCM Graduation Thesis Award



In the 14th S.-T. Yau College Student Mathematics Contest held in 2023, students from Qiuzhen demonstrated remarkable achievements. Seventeen students won 22 individual medals, with 1 individual all-round gold medal. They also secured 1 team silver medal and 2 team bronze medals. Notably, Yiran Lin, an undergraduate sophomore of Qiuzhen College, received 3 medals including the individual all-round gold medal, the “Hua Luogeng Award” gold medal, and the “Shiing-Shen Chern Award” gold medal.





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GROWTH AT QIUZHEN

π Day Challenge

QiuZhen College organizes the annual "π Day Challenge" on March 14, with the aim of enhancing question-asking and problem-solving skills of its students. The event strengthens the communication between students of QiuZhen and those of secondary schools.



The second "π Day Challenge" organized by QiuZhen College

The Coming-of-Age Ceremony

QiuZhen College attaches great importance to the influence of traditional culture on its students. The College holds the "Coming-of-Age Ceremony" annually, which features special performance by members of the Rite and Archery Association of Tsinghua University and student representatives of QiuZhen College. These performances include ancient Chinese cap wearing ceremony and hair pinning ceremony, which hold significance for both men and women as a coming-of-age ritual. By participating in these traditional rites, students can gain a unique cultural experience.

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求真书院 成人禮

COMING-OF-AGE
CEREMONY

2005 - 2021

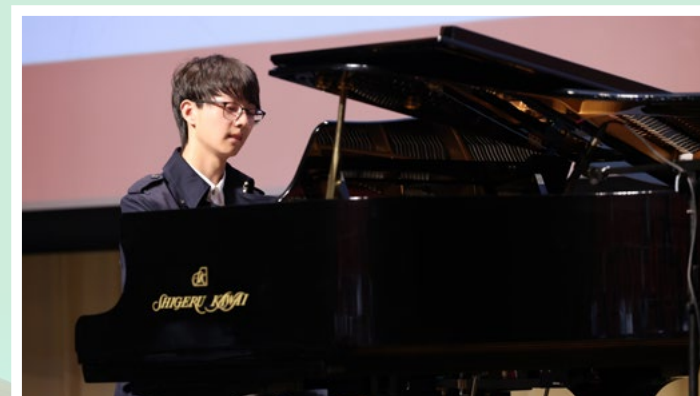
新清华学堂 12月10日 (周五)



The first ceremony in December 2021

College's Anniversary

The College celebrates its anniversary each year with the theme of "Time and Growth". On this joyous occasion, faculty, staff, and students gather together to celebrate the anniversary.





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GROWTH AT QIUZHEN

The Birthday Party of Prof. Shing-Tung Yau

Each year, faculty, staff and students of QiuZhen College come together to celebrate the birthday of Prof. Shing-Tung Yau.

We are all part of QiuZhen family.



Celebrating the birthday party of Prof. Shing-Tung Yau

Sports Clubs

At QiuZhen College, there is more to discover beyond academics. Come join our sports clubs!





- 1. LIBRARIES
- 2. SPORTS FACILITIES
- 3. ARTS
- 4. ACCOMMODATION
- 5. ON-CAMPUS DINING
- 6. COMMUNICATION SPACE



03

LIVING AT QIUZHEN





The cultivation of talents requires a first-class environment. Drawing upon the exceptional resources of Tsinghua University, QiuZhen College is dedicated to creating an optimal learning and living environment that caters to the specific needs of mathematics talents.

Libraries



Liberal Arts Library

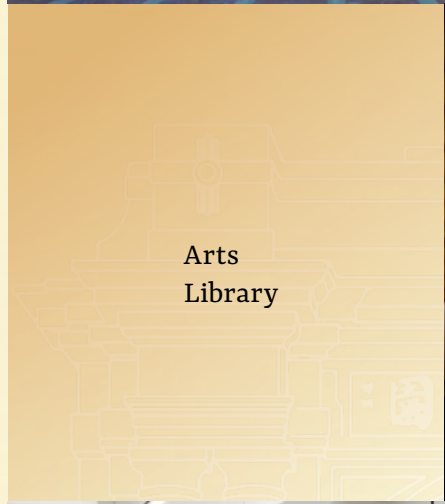
Tsinghua boasts one comprehensive library along with six professional libraries of liberal arts, arts, finance, law, economic management and architecture, with a total area of more than **70,000** square meters.



Law Library



Mochtar-Riady Library



Arts Library



Architectural Library

Sports Facilities

The sports ground of Tsinghua University covers an area of **220,000** square meters, offering a wide range of athletic facilities. Students have access to natatoriums, shooting halls, handball courts, and roller skating rinks among others.



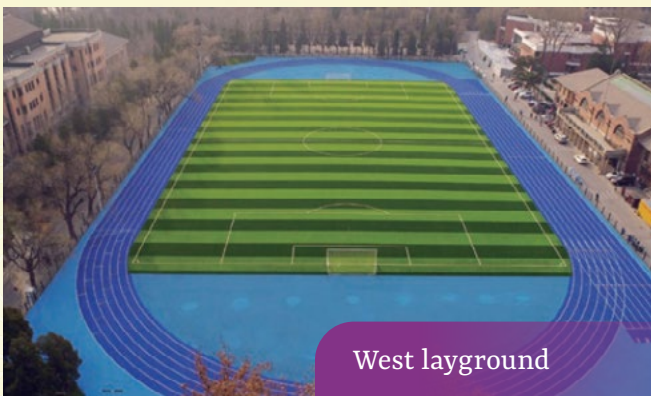
Comprehensive Gymnasium



Natorium



West Gymnasium



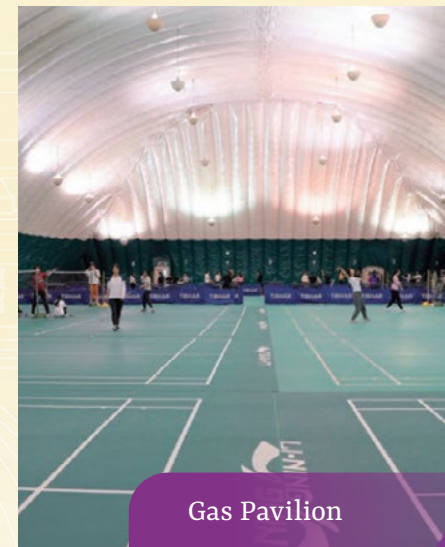
West layground



Tennis Court



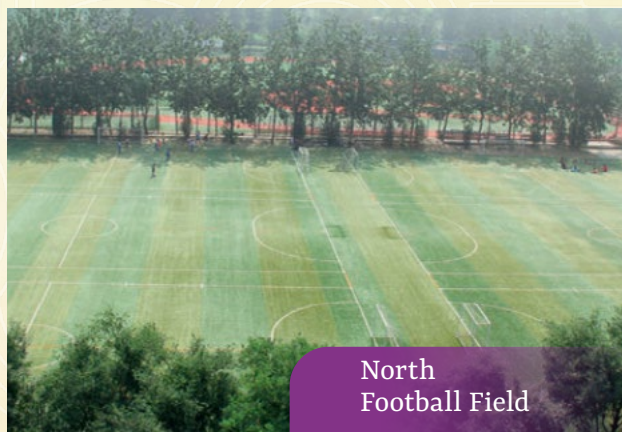
Basketball Court



Gas Pavilion



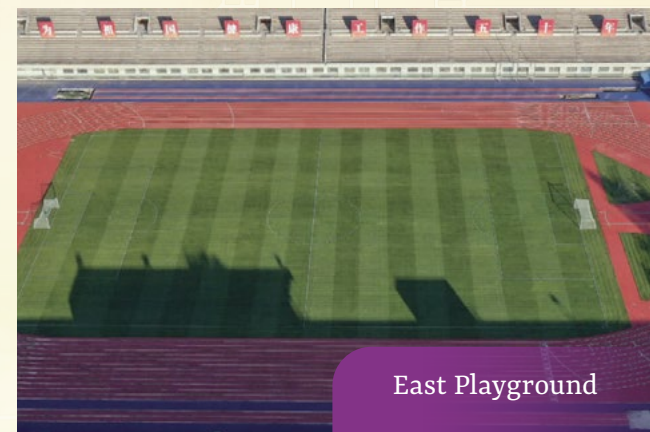
North Gymnasium



North Football Field



Shooting Hall



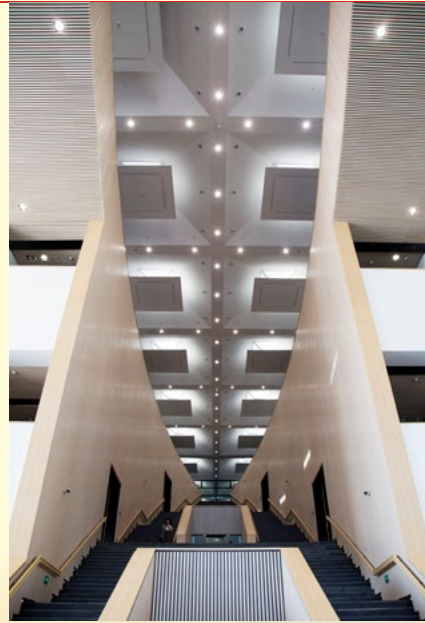
East Playground

Arts

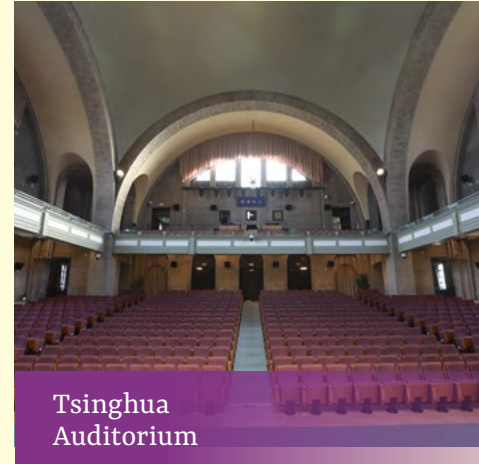
There are three museums on campus, with vast collections feature works from ancient times to the present, and from the West to the East. Our museums offer students, faculty and the public approaches to the study and appreciation of art by providing unparalleled access to our resources.



Tsinghua University
Art Museum



Tsinghua History Museum



Tsinghua
Auditorium



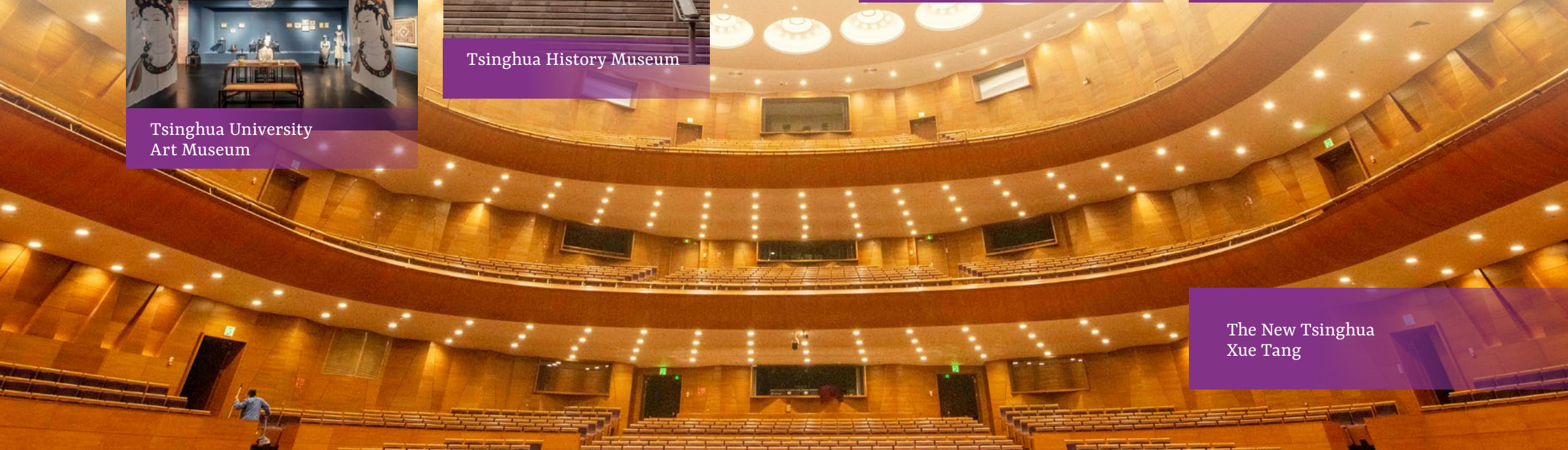
Tsinghua's Student Activity
Center



Mong Man Wai
Concert Hall



Tsinghua University Science
Museum



The New Tsinghua
Xue Tang

Accommodation

The international student apartments can accommodate over **2,000** students, and offer a range of room types, including single rooms, AB rooms, and double rooms.



- ① Study Lounge
- ② Multi-purpose Room
- ③ Workshop Space
- ④ Common Kitchen
- ⑤ - ⑥ Light Sports Space

On-Campus Dining

On campus, there are **20** restaurants available for students to enjoy a diverse range of both Chinese and foreign cuisines.



- ① International Student Apartment Complex
- ② Double Room
- ③ AB Room
- ④ Single Room





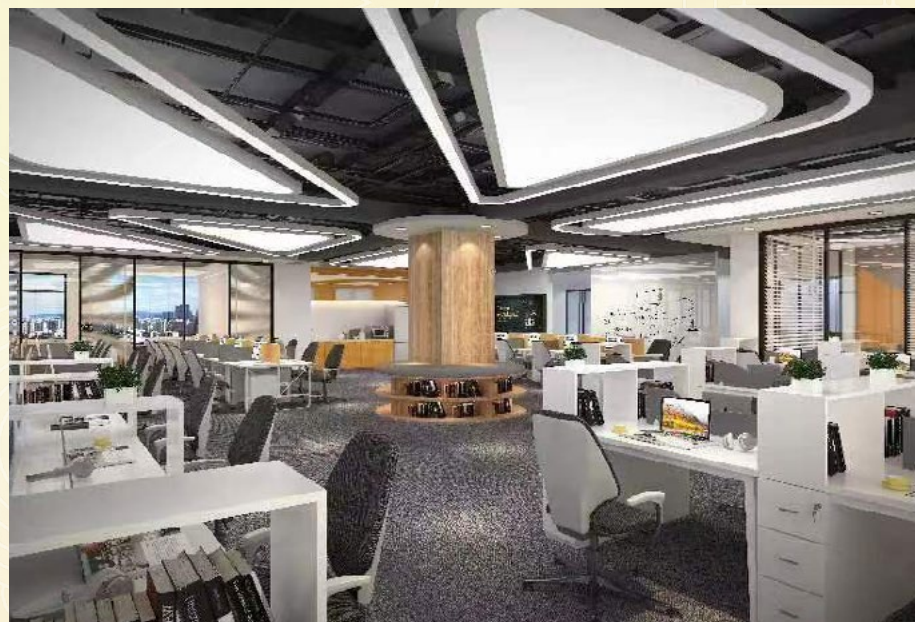
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LIVING AT QIUZHEN

Communication Space

Various communication spaces are provided by QiuZhen to cater to the diverse needs of both faculty and students.





1. STUDENT WELLBEING
2. FINANCIAL SUPPORT
3. INTERNATIONAL COLLABORATIONS



04

SUPPORT AT QIUZHEN



Student Wellbeing

You may find yourself needing support for a wide variety of reasons while you are a student. In Qiuzhen College you can always book an appointment with a postdoctoral scholar or an academic advisor to discuss things, but we also have a guide to some common concerns experienced by students over the years.



To foster a vibrant academic environment, outstanding postdocs are selected from YAU Mathematical Sciences Center of Tsinghua University and Beijing Institute of Mathematical Sciences and Applications to serve as Qiuzhen College Postdoctoral Scholars. Every five students are matched with a postdoctoral scholar who leads weekly academic discussion with students.

For senior students, the College provides each student with an academic advisor to guide their growth in various areas, including course selection and academic research.



Discussion among the academic advisor and the students

Financial Support

In addition to the various scholarships already established by Tsinghua University, Qiuzhen College has implemented several scholarships to recognize exceptional students.



Qiuzhen Freshman Scholarship

This scholarship is awarded to outstanding first-year students after enrollment in recognition of their accomplishments, thus encouraging them to continue their academic journey with dedication to mathematics.

Girls' Freshman Scholarship

Girls' Freshman Scholarship is open to all female first-year students admitted to Qiuzhen College. This scholarship aims to attract and inspire outstanding female students to in the field of mathematics.



Qiuzhen Scholarship

Qiuzhen Scholarship has been established to motivate students to pursue academic excellence. This prestigious scholarship is awarded to students who have demonstrated outstanding academic achievements in the previous academic year or in the S.-T. Yau College Student Mathematics Contest.



QiuZhen Graduate Freshman Scholarship

QiuZhen Graduate Freshman Scholarship has been established to attract outstanding undergraduate students from home and abroad to embark on their academic journey at QiuZhen College.

QiuZhen Outstanding PhD. Students Scholarship

QiuZhen will match any competing offer from top schools around the world. If a candidate has an offer from some top school like Harvard or Princeton for a scholarship, then we match similar level scholarship.

Tsinghua University offers various financial assistance. For more information, refer to the website: <https://www.admissions.tsinghua.edu.cn/info/1026/1146.htm>

International Collaborations

QiuZhen College has forged partnerships through exchange programs with multiple world-renowned institutions, such as Harvard, UC Berkeley, Oxford, and others. High-performing candidates are encouraged to participate in these exchange programs during their doctoral studies.

QiuZhen College's Motto

尋天
人樂處
拓萬古
心胸

KNOW
AND ENJOY
NATURE

WITH
VISION
AND IDEAL





《求真颂》

作词: 丘成桐

作曲: 鄂矛

晨光熹，志气昂，
天人合，德业张。
日出亮兮，陟步高冈，
月出皎兮，好学毋荒。
路遥遥，水泱泱，
立德立言作栋梁。
少相知，壮不忘，
肩负使命耀上庠，
肩负使命耀上庠。

振振君子，将翱将翔，
自强不息，志在四方，
济济多士，佩玉将将，
搜真穷理，无界无疆，

兴东西文明，载史册荣光，
兴东西文明，载史册荣光。



扫码听院歌

ODE TO TRUTH-SEEKING

SCHOOL SONG OF QIUZHEN COLLEGE
OF TSINGHUA UNIVERSITY, CHINA

Lo, the morn smiles with streaks of light afar,
So we're inspired to go on by its light.
Of the heavenly sphere we are a part,
Seeking a moral and successful life.
The sun is lifting up its burning head,
So let us ascend yet another height;
The moon will soon its watery light shed,
So let us study hard and waste no time.
The road ahead is long and water deep,
So let us be ready and march forward,
For we'll moral perfection and truth keep,
And grow to be the pillars of the world.
We are all schoolmates here, now we are young;
We will all be soul mates when we grow strong.
With a sense of mission, we our school glorify;
With a sense of mission, we our school glorify.

We are individuals who aim so high;
We are ready to take a lofty flight.
To improve ourselves we'll never cease,
And our minds are free and with no bondage;
We are all endowed with virtue and grace,
And armed with the rich treasure of knowledge.
O, let us then strive and search and research
For Facts and Truth in the infinite space.

We revive the great cultures, east and west,
And carve their glory in the book of history.
We revive the great cultures, east and west,
And carve their glory in the book of history.



Scan QR code
for the song



WECHAT



WEIBO



BILIBILI



INS



清华大学求真书院
Qiu Zhen College, Tsinghua University

CONTACT US

QIUZHEN COLLEGE OFFICIAL WEBSITE

<https://qzc.tsinghua.edu.cn/en/>

Email: qzsyzs@tsinghua.edu.cn

Tel: +86-010-62783663