

Tsinghua University 2021 YAU Mathematical Sciences Talents Program Admissions

In order to fully strengthen the training of talents in mathematical sciences, Tsinghua University has established the YAU Mathematical Sciences Talents Program starting from 2021. It recruits students from all over the world who have excellent overall quality, great mathematical potentials and specialties for selection and training. From undergraduate training to doctoral level studies, we are committed to cultivating future leaders in the fields of mathematical sciences.

1. Program Overview:

This program admits up to 100 students under Tsinghua University's Pure and Applied Mathematics major. It utilizes the “3+2'+3” teaching method throughout its undergraduate and post-graduate studies in a college. Those who are under the “3+2” method are not able to change major.

2. Admissions Organization:

Admissions into this program will follow all protocols set by Admissions Office of Tsinghua University under the leadership of “Undergraduate Admission Committee” and the supervision by the relevant departments within the university and the society.

3. Qualification of Applicants:

- 1) The applicant should be in good health and character, well-behaved, excellent in academics, and should display great potential in the fields of mathematical sciences.
- 2) If the applicant is a student from mainland China, he/she should be in their first or second year of high school. If truly outstanding, those in their third year of middle school or third year in high school are also welcome to apply.
- 3) Hong Kong, Macau and Taiwan applicants should be in 10th or 11th grade. Those who are in 9th or 12th grade and are truly outstanding are also welcome to apply.
- 4) International applicants should be in 10th or 11th grade. Those who are in 9th or 12th grade and are truly outstanding are also welcome to apply.
- 5) Applicants who have already been accepted into a Tsinghua undergraduate program are also welcome to apply (application procedures and requirements may apply).

4. Application Method:

Applicants should complete the Online Application during the designated application period (listed below) on the website of the THU Undergraduate Programs Application System at <http://admission.join-tsinghua.edu.cn>. After registration, please select “丘成桐数学科学领军人才培养计划” to apply. The final submitted application should then be printed and stamped by their high school, scanned, and uploaded into the system along with the other required documents. Below are some guidelines for your application:

- 1) “**Education**”: Please upload a document that could certify your high school location, grade, and name.

- 2) **“Transcript”**: Please upload your official high school transcript with stamp/valid signature.
- 3) **“Standardized Tests”**: Applicants may submit their standardized test scores (eg. SAT/ACT, etc.). Please scan or take a photo of your score report(s) and submit them into the online application system.
- 4) **“Additional Documents”**: Please fill in and upload a scanned copy or photo of the following documents:
 - i. Mathematical awards
 - ii. Province/State/Region-wide awards in the National Olympiad competitions
 - iii. Scientific research and innovative practices involved in middle and high school
 - iv. Personal honors obtained at the school level (inclusive) and above in the middle school and high school
- 5) **“Personal Statement”**: This should include your reason for application, and is one of the most important aspects in application process (Word limit: 800)
- 6) **No more than 2 Letters of Recommendations**. Please follow the instructions on the online system for submission of recommendation letters

5. Process of Application:

- 1) **Initial review**: The application review team will use a holistic approach in their evaluation of every applicant based on the specialties in mathematics, daily performance, and academic research. The result of this review will be posted in the application system. The results will be separated into three categories: outstanding, passed, and failure to pass. Members of the National Mathematical Olympiad Training Team, and those who have performed well in the evaluation of the professional team will be rated as "outstanding". These applicants will directly be admitted into the program. Applicants who have been noted to have “passed” will participate in the following comprehensive test. Those who have “failed to pass” will not be allowed to participate in any further testing.
- 2) **Comprehensive test**: Those who have passed the initial review will continue onto the comprehensive test. This test includes topics such as Chinese and English reading, math, and physics. The results of this test will be posted in the online application system. Applicants who have performed well on this comprehensive test will continue on to take the test on the professional examination.
- 3) **Professional examination**: This examination includes test on their ability on various subjects (including two mathematics examinations, a psychological test, and an interview). Among them, the first mathematics includes all the contents taught in high school mathematics, calculus, linear algebra, and the basic concepts of group action. The second mathematics examination is an open format.
- 4) **Physical test**: The physical test includes height, weight, vital capacity, steps, sit-and-reach, and standing long jump. Those who are not able to participate must have an appropriate reason. Otherwise, that applicant will be disqualified.
- 5) **Shortlisted**: Those who have been shortlisted will be notified through the online application system. If there are any objections to the shortlist result, please follow

the guidelines to file a complaint. After this objection period has passed, the shortlisted result will become final.

- 6) **Confirmation:** Those who have been shortlisted need to confirm to the program.
- 7) **Preparatory Training:** Those who have been shortlisted must participate in the preparatory training in the spring semester. During this time, those who have passed the preparatory training will receive the final acceptance.

6. Admission:

- 1) **Acceptance Method:** Applicants from mainland China who have been shortlisted and have passed the preparatory training will not have to participate in the National College Entrance Examination and will be guaranteed admission into the program. There will be more information released at that time. For international, Hong Kong, Macau and Taiwan applicants, further admission information will be announced.
- 2) **Other issues:** Applicants from mainland China who have been shortlisted and passed the preparatory training will not be allowed to be accepted by any other universities as upcoming graduates in high school.

7. Program Cultivation:

- 1) **Establish the college:** In order to better cultivate the talents of this program, a new college will be established with a talent cultivation team to design the best method to help students develop into more well-rounded individuals.
- 2) **Use the “3+2+3” teaching method:** This program will provide first-class professors, set first-class courses, and provide first-class environment for students enrolled in this program. The professors will customize their courses on the history of mathematics and science, strengthen professional seminars and thesis training, guide students to carry out cutting-edge research, and attract students to participate various projects. The first three years of the “3+2” period will include preliminary courses, and the fourth and fifth year will involve research training. The “+3” will be used in doctoral studies, helping students to connect with the real world through professional training.
- 3) **Open exchanges around the world:** This program will invite internationally renowned scientists to host lectures and seminars. In addition, it hopes to strengthen exchanges and cooperation with relevant domestic universities, promote mutual employment of teachers, student exchange, and encourage the sharing of resources to explore effective models for the top talents in mathematics. Through joint training and student-exchange projects, those who are exemplary in their class will be selected to study and exchange in first-class universities and scientific research institutions abroad in a planned and purposeful manner, so as to broaden international horizons and enhance academic confidence.

8. Schedule:

- 1) **January 5-19, 2021:** Complete and submit online application.

- 2) **By the end of January, 2021:** Results of the initial review are posted on the application system.
- 3) **Early February, 2021:** Applicants can download and print out their comprehensive test ticket from the application system.
- 4) **February to March, 2021:** Comprehensive and profession examinations take place.
- 5) **Late March, 2021:** Results of those who have been shortlisted are posted on the application system and the confirmation will also be mailed.
- 6) **April-June, 2021:** Shortlisted applicants attend preparatory training. If passed, their acceptances will be finalized.

9. Additional Information:

- 1) Tsinghua University attaches great importance to the management of enrollment of this program, and strictly enforces discipline and accountability throughout the application process.
- 2) Applicants must ensure that the application information and application materials provided are true and accurate. If the admissions unit or certification department verifies that anything in the application is not true, the application, admission or study qualification will be cancelled. Applicants who are found to be in breach of academic ethics, professional ethics, honesty and trustworthiness, etc., will not be admitted or admission/study qualification will be cancelled after this breach has been verified.
- 3) There is no fee in regards to the application or examinations. If there are any financial difficulties, the applicant could apply to grants.
- 4) If there are any questions in regards to the application process, please contact Admissions Office of Tsinghua University.

10. Contact Us:

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100084, P. R. China

Tel: +86-10-62770334 or 62782051

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Phone number of Monitor: 86-10-62783000

Email: zsb@tsinghua.edu.cn

Admissions Website: <http://join-tsinghua.edu.cn>

In case of any dispute or misunderstanding relating to the interpretation of the language or terms used in this document, the Chinese language version shall prevail.