

2021 English Doctoral Program in Mechanical Engineering

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Attention: Other unfinished matters in this guide are implemented in accordance with “Admission to Graduate Programs of Tsinghua University 2021”(For International Students), which is available at: http://gradadmission.tsinghua.edu.cn/f/yzlxs/yz_lxs_kstzb/view?id=500079

1. Overview of the Program

This program is designed to train students with solid theoretical and systematic professional knowledge and skills in the field of mechanical science and engineering, to make students capable of organizing scientific research independently along with expanding their international horizons and promoting their overall competitiveness.

2. Application Guidance

2.1 Degree Offered

Doctor of Philosophy in Mechanical Engineering. Students must complete the coursework to fulfil the minimum credit requirement and qualify for the degree conferral. A research-based thesis defense is an essential part of the degree.

2.2 Courses Offered in English

Coursework Structure: The degree is research-oriented that requires in-depth knowledge of a specific topic of study. The doctoral program is highly individualized, but in general consists of two main components: coursework and independent research. Students are admitted to a specific project of study and assigned a supervisor. While most students enter in the fall, it is possible to begin studies in the spring term. Admission to the doctoral program does not naturally confirm a doctoral candidature. Doctoral candidature is a significant milestone towards a doctoral degree, and will not be confirmed unless candidates could present a scientifically feasible proposal with a novel research topic. (see §2.4) Completion of the subsequent research occurs with a successful oral defense of a written dissertation.

2.3. Independent-study courses

Systematic independent-study on research topic related specialized knowledge should be developed under the guidance of the supervisor, which can be listed into training program.

2.4. PhD Qualifying Examination

The PhD qualifying examination is aimed to assess how well the students understand the fundamentals and principles in the relevant fields, and whether the student has the ability to think scientifically and critically about both theoretical and practical researches. The examination is normally delivered after a formal presentation by the

candidates and will not be approved unless all the examiners consent that the student has demonstrated sufficient content of research and is potentially capable of working out an acceptable dissertation within the required timescale. The examination should usually be taken in the second year of a PhD candidate, and passing of the examination gives students the advancement to candidacy.

2.5 Dissertation

A dissertation proposal must be presented and approved at least 12 months before the dissertation defense. The proposal should be prepared in consultation with the dissertation committee. The dissertation committee decides the result of the proposal defense. Possible outcomes are fail and pass. A successful dissertation proposal is another significant milestone towards the completion of a doctoral degree (For more details of graduate academic requirements, please refer to the specific doctoral study plan).

2.6. Eligibility of Applicants

Applicants must be non-Chinese citizens with a valid passport.

Applicants for the doctoral program should hold a master degree or will receive a master degree by the time they enroll at Tsinghua University.

Applicants should hold a bachelor degree, which was obtained through a formal 4-year program with at least 100 credits or 30 courses. The master degree should be a formal program with at least 18 credits or 6 courses.

For NON- English native speakers, ONE of the following conditions shall be met:

a. Major courses in the undergraduate period were given in English, and this shall be clearly stated in the applicants' transcripts.

Or

b. Applicants provide the transcript of either TOEFL (minimum 85 for overall score and 23 for writing section) or IELTS (minimum 6.5 for overall score and 6.0 for writing section) or equivalent.

2.7. Application schedule:

(UTC-8, Beijing Time)

1st Round: 8:00 AM Oct 15, 2020—17:00 PM Dec 15, 2020

2nd Round : 8:00 AM Jan 1, 2021—17:00 PM Mar 1, 2021

☆The winter break of THU will be from Jan 14,2021 to Feb 19,2021. The application system will still be available during the winter break, but online verification might be delayed due to the vacation. Applicants are therefore recommended to complete their application at least two or three weeks in advance.

Step 1: Online Application

Applicants should complete the Online Application on the website of the THU Graduate Programs Application System for International Students during the designated THU application period. (<http://gradadmission.tsinghua.edu.cn>)

Applicants should fill in the application information online, upload the application documents listed below to the Online Application System, and pay the application fee online at the time of submission.

Step 2: Document Submission

All students should present the necessary original or notarized degree certificate upon registration at Tsinghua University for enrollment qualification review. Students who fail the enrollment qualification review will be disqualified from enrollment.

2.8. Documents for Application:

Please upload all the listed documents below to the application system:

(1) Personal Statement. Applicants also need to submit a brief introduction of research experience within 2 pages (The Personal Statement should be filled out in accordance with the requirements of the university template. Please refer to the “Admission to Graduate Programs of Tsinghua University 2021”, Personal Statement section.).

(2) Degree Certificates. Applicants should submit both master's and bachelor's degree certificates. Those who have not graduated yet must provide proof of education in the current academic institution. Applicants who will not graduate before the application deadline shall provide the expected graduation certificate first, and the degree diploma must be submitted before registration. (Applicants who have graduated are recommended to provide a certified copy or authentication of the degree diploma at the same time. The certified copy/authentication and the original degree diploma should be combined into one PDF file and uploaded to the application system.). Please refer to http://gradadmission.tsinghua.edu.cn/f/yzlxs/yz_lxs_kstzb/view?id=499763 regarding how to provide the degree authentication.

(3) Academic Transcripts. Applicants should submit academic transcripts of both graduate and undergraduate studies. Applicants who will not graduate before the application deadline shall provide their current academic transcript. In this case, the completed academic transcript must be submitted before registration.

(4) Two Online Recommendation Letters from academic scholars who are holding a position of associate professor or higher, or are senior professionals in the related field. Please follow system instructions for the submission of online recommendation letters.

(5) Passport Personal Information Page (personal and ordinary passport). (According to Article 3 of the Nationality Law of the People's Republic of China, any individual who was a Chinese national and then acquired a foreign nationality shall provide a Certificate of Cancellation of Chinese Household registration issued by the police station where the original household registration is located.)

Note: Use the online application to apply. The online application offers tools for collecting and submitting some, but not all, of the documents and information required for the application.

2.9 Application remarks:

Please refer to “Admission to Graduate Programs of Tsinghua University 2021”(For International Students) at http://gradadmission.tsinghua.edu.cn/f/yzlxs/yz_lxs_kstzb/view?id=500079, see section “Application Remarks”.

For inquiries regarding program details, application for supervisors and the 'Remarks of Application' in the 'Catalog of Graduate Programs 2021', please visit the departmental website at <http://www.me.tsinghua.edu.cn/en/index.html>

Contact information:

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2.10. Admission Process

After the complete application documents are received, the application materials will be reviewed and pre-screened by a group of faculty members in the school. Usually, the top 30 applicants will be shortlisted for an online interview. The shortlisted students will likely be notified in March. During the interview, they will be re-ranked by the interview committee. The number of admitted students varies each year depending on the scholarship funding of that year. Furthermore, NOT all of the accepted students could be granted a full scholarship.

Decisions of the committee will be reviewed and confirmed by the Associate Dean for Educational Affairs. Each accepted applicant is required to sign and submit a formal letter to declare one's acceptance of the offer and the full understanding of the acceptance conditions. Offers of admission that are not accepted by the applicants within the required time will be withdrawn.

Admission to the graduate programs on the Department of Mechanical Engineering: not all the applicants who satisfy the minimum requirements can be accepted. The international office is not responsible for explaining the admission results.

Furthermore, the scholarship granted by the government and university covers full-time students only. The spouse of students is not considered.

No enrollment will be processed in case an applicant is absent during the required time period for registration without notifying in advance. We will regard this case as the automatic withdrawal by the student.

Note: Admission to the graduate program is determined at the school level with oversight by Tsinghua University according to the result of the document review, the result of the interview, and other factors. THU Graduate Admission Office will issue the certificate of admission after the final admission result is released. Prior to this, applicants may check admission status via the THU Graduate Programs Application System for International Students.

2.11. Visa Application and Admission Registration

(1) Admitted students should bring their personal and ordinary passport, Certificate of Admission, Visa Application Form (JW202/JW201), and original Form of Physical Examination Record for Foreigners as well as other original documents of physical examination to the Embassy or Consulate of the People's Republic of China, and apply for a student visa (X1 visa). Students who intend to live in an on-campus dormitory shall apply for the room online during the dates specified in the university instructions. Students shall come to THU for registration during the dates indicated in the admission package with the required documents. Normally, registration is held in late August. Students must enter Mainland China with an ordinary passport and X1 visa, and must apply for a Residence Permit within 30 days after arrival in China.

(2) All students should present the necessary original or notarized degree certificate upon registration at Tsinghua University for enrollment qualification review. Students who fail the enrollment qualification review will be disqualified from enrollment.

2.12. Accommodation

Please refer to http://gradadmission.tsinghua.edu.cn/f/yzlxs/yz_lxs_kstzb/view?id=500079, see section "Accommodation".

2.12 Application Fee, Tuition, and Other Costs:

Application Fee (Non-refundable): RMB 800; Tuition: RMB 40,000/year;

Accidental Injury and Hospitalization Insurance: RMB 800/year.

3. Scholarship

Please refer to http://gradadmission.tsinghua.edu.cn/f/yzlxs/yz_lxs_kstzb/view?id=500079, section “Scholarships”.

4. Graduate Research Areas

There are 6 research institutes in DME.

Institute of Materials Processing Equipment and Automation

Institute of Materials Processing Technology

Institute of Mechatronic Engineering

Institute of Manufacturing Engineering

Institute of mechanical design

Institute of Tribology

For detailed information, please refer to the link: http://www.me.tsinghua.edu.cn/en/column/143_1.html

5. Campus Life

Tsinghua University is a friendly and welcoming community where students can get involved in a variety of clubs and activities. Students may choose from more than 100 student associations of the university and activities, such as sports competition, community service, social and environmental awareness, New Year party, tourist visits to Chinese cultural and historical destinations, concerts etc.

Tsinghua University also hosts a variety of academic events that are open to all the students across the country, such as the National Doctoral Candidates Conference and Tsinghua Environmental-Friendly Science & Technology Competition.

Students are encouraged to participate in extracurricular activities so that they can achieve well-rounded development.

In 2010, Forbes listed 14 of the world’s most beautiful college campuses. Of which ten are from the U.S., three from Europe and Tsinghua is the only one from Asia. Besides the unique historical architectures, pleasant natural environment, Tsinghua provides the students with various services that are convenient for everyone and make the school life here enjoyable.