Master's Program

Tokyo Metropolitan University

Graduate School of Science

Application Guidelines for the Master's Program

2026 April Enrollment

2025 October Enrollment

Summer examination: August 26 and 27, 2025

Winter examination: February 12 and 13, 2026

Administrative affairs concerning entrance examinations of the Graduate School of Science are handled by the following office:

Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences, Administrative Affairs Department of Tokyo Metropolitan University

1-1 Minami-Osawa, Hachioji-shi, Tokyo 192-0397

Tel: 042-677-1111 (representative) ext. 3021

https://www.se.tmu.ac.jp

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Admissions Policies of the Graduate School of Science, Tokyo Metropolitan University

Graduate School of Science seeks individuals who acquire basic knowledge of and attitudes towards natural science and enthusiastically aim to become researchers/educators/engineers with creativity and applied skills. Such individuals who have the ability and motivation to deliver their research outcomes to the world are highly welcomed, especially in the Doctoral program.

Department of Mathematical Sciences

[Master's program]

1. Policy

   Mathematics have been provided the basis of natural science and played a fundamental role in its development, whose significance is more widely recognized in the present day. The department intends to undertake education and research in the 4 areas of mathematical sciences, including algebra, geometry, analysis (main fields of mathematics) plus applied mathematics, from an extended position not bound by the field framework.

2. Ideal students

   (1) Individuals with a basic understanding and awareness of various issues in mathematical sciences

   (2) Individuals capable of acquiring knowledge from a global perspective and willingly taking on challenges in research tasks

   (3) Individuals who are motivated to attain various abilities to solve problems

3. Ability required for students

   (1) Fundamental academic ability of mathematical sciences and spirit of inquiry for the desired field

   (2) Fundamental ability to discover and solve problems on their initiative in the field of their choice

[Doctoral program]

1. Policy

   Mathematics have been provided the basis of natural science and played a fundamental role in its development, whose significance is more widely recognized in the present day. The department intends to undertake education and research in the 4 areas of mathematical sciences, including algebra, geometry, and analysis (main fields of mathematics) plus applied mathematics, from an extended position not bound by the field framework.

2. Ideal students

   (1) Individuals having deep and extensive specialized knowledge for their research in mathematical sciences

   (2) Individuals capable of carrying out ingenious and international research activities as an independent

researcher

(3) Individuals having the ability to evaluate the significance of their research and their positioning in society objectively

3. Ability required for students

(1) Specialized knowledge in the field of their choice and academic ability to carry out their research

(2) Ability to discover and solve problems on their initiative in the field of their choice

Department of Physics

[Master's program]

1. Policy

The Department aims to develop persons with basic knowledge and research skills in physics, which covers a wide range of phenomena in the natural world from elementary particles/nuclei and atomic molecules, substances with diverse structures, and the universe. It also aims to develop those who can drive leading-edge scientific research in the next generation with a keen awareness of the social responsibilities involved in their research and those who can solve various social and environmental problems based on science fundamentals.

2. Ideal students

(1) Individuals who are curious about acquiring basic knowledge in the expertise field, logical thinking skills, and practical research approaches

(2) Individuals who are eager to acquire the necessary abilities to solve problems, conduct research, hold discussions, present research results, etc.

(2) Individuals aiming to become researchers, professional engineers, or educators in physics

3. Ability required for students

(1) Specialized knowledge in the field of their choice and extensive knowledge of physics

(2) Ability to discover and solve problems on their initiative in the field of their choice

[Doctoral program]

1. Policy

The Department aims to develop persons with deep specialized knowledge and excellent research skills in physics, which covers a wide range of phenomena in the natural world from elementary particles/nuclei and atomic molecules, substances with diverse structures, and the universe. It also aims to develop those who can drive leading-edge scientific research in the next generation with a keen awareness of the social responsibilities involved in their research and those who can solve various social and environmental problems based on science fundamentals.

2. Ideal students
   (1) Individuals who are curious about acquiring deep and extensive knowledge of basic and advanced physics
   (2) Individuals aiming to become independent researchers or educators capable of carrying out international and distinguished research activities, with a keen awareness of the social responsibilities involved in their research
   (3) Individuals who are eager to attain abilities to conduct research by formulating ingenious research plans, presenting the original treatises in international academic journals, participating in international research discussions, and reporting research results and their significances

3. Ability required for students
   (1) Deep specialized knowledge in the field of their choice
   (2) Ability to contribute to academic development through the studies of physics
   (3) Excellent research skills capable of setting pioneering research tasks on their own and solving them in the field of their choice

Department of Chemistry

[Master's program]

1. Policy

   The Department aims to develop persons who understand the structure, nature, and the reaction of substances at the atomic and molecular levels, and acquire the basic knowledge of as well as fundamental research skills of chemistry, which pursues to create a new substance by carrying out the structural conversion of the molecule. It also aims to develop those who can drive leading-edge scientific research in the next generation with a keen awareness of the social responsibilities involved in their research and those who can solve various social and environmental problems based on science fundamentals.

2. Ideal students
   (1) Individuals who are keen to work on research towards the elucidation of the structures, reactions, functions, and circulations of atom/molecule and its compound/assembly as well as the synthesis of a new substance
   (2) Individuals who wish to deepen their understanding of chemistry
   (3) Individuals who have a desire to improve research skills
   (4) Individuals who wish to develop global awareness through research to be able to perform internationally
   (5) Individuals who have a passion for working as a chemistry expert in the future

3. Ability required for students
   (1) Broad range of knowledge of chemistry
   (2) Motivation for research towards the elucidation of the structures, reactions, functions, and circulations

of atom/molecule and its compound/assembly as well as the synthesis of a new substance, and the ability to pursue it

(3) Ability to discover and solve problems on their initiative in the field of their choice

(4) Ability of foreign language required to promote their research

[Doctoral program]

1. Policy

The Department aims to develop persons who understand the structure, nature, and the reaction of substances at the atomic and molecular levels, and acquire the deep knowledge of as well as excellent research skills of chemistry, which pursues to create a new substance by carrying out the structural conversion of the molecule. It also aims to develop those who can drive leading-edge scientific research in the next generation with a keen awareness of the social responsibilities involved in their research and those who can solve various social and environmental problems based on science fundamentals.

2. Ideal students

(1) Individuals who show enthusiasm in contributing to deepening the human knowledge of chemistry

(2) Individuals who are curious about acquiring deep and extensive knowledge of basic and advanced chemistry

(3) Individuals aiming to become independent researchers or educators capable of carrying out international and distinguished research activities, with a keen awareness of the social responsibilities involved in their research

(4) Individuals who are eager to attain abilities to conduct research by formulating ingenious research plans, presenting the original treatises in international academic journals, participating in international research discussions, and reporting research results and their significances

(5) Individuals who wish to develop global awareness through research to be able to perform internationally

(6) Individuals who have a passion for working as a highly specialized chemical expert in the future

3. Ability required for students

(1) Deep specialized knowledge in the field of their choice

(2) Motivation for research towards the elucidation of the structures, reactions, functions, and circulations of atom/molecule and its compound/assembly as well as the synthesis of a new substance, and the ability to advance it

(3) Ability of foreign language required to promote their research

Department of Biological Sciences

[Master's program]

1. Policy

Department aims to develop students who attain basic skills to independently set and execute objectives,

methods, and problems towards the elucidation of fundamental mechanisms of biological growth and its higher-order structure, behavior, and ecology. It also aims to develop an integrated view of international perspective and communication skills to become researchers, educators, and developers capable of playing an active role domestically and internationally.

2. Ideal students
   (1) Individuals who show a keen interest in biology and biological sciences and are eager to take the initiative in research and acquisition of specialized knowledge
   (2) Individuals who have a desire to attain research skills, planning ability, and performance capability through the study of biological science
   (3) Individuals who have a passion for contributing to society as researchers, educators, and developers equipped with international perspective and communication ability

3. Ability required for students
   (1) Broad range of interests in biology and biological sciences, regardless of the university, faculty, or department they are from
   (2) Potential capacity to take the initiative in discovering and solving problems in biology, biological sciences, or another field

[Doctoral program]

1. Policy

   Department aims to develop students who attain basic and advanced skills to independently set and execute objectives, methods, and problems towards the elucidation of fundamental mechanisms of biological growth and its higher-order structure, behavior, and ecology. It also aims to develop an integrated view of both high international perspective and communication skills to become researchers, educators, and developers capable of playing an active and leading role domestically and internationally.

2. Ideal students
   (1) Individuals who pursue ingenious and leading-edge research in the fields of biological sciences
   (2) Individuals who are curious about acquiring specialized knowledge of biological sciences and attain research skills, planning ability, and performance capability to be able to be active in the front lines
   (3) Individuals who have a passion for contributing to society as researchers, educators, and developers who can play an active and leading role in the expertise field internationally

3. Ability required for students
   (1) A specialized knowledge in the field of their choice and a broad range of interests in biology and biological sciences, regardless of the university, faculty, or department they are from
   (2) Ability to take the initiative in discovering and solving problems in biology, biological sciences, or another field

I Application Guidelines for the Master's Program <2026 April Enrollment>

1. Entrance Examination Schedule

	First-stage examination (written)	Second-stage examination (oral)
[Summer examination]	**August 26 (Tue), 2025**	**August 27 (Wed), 2025**
[Winter examination]	**February 12(Thu), 2026**	**February 13 (Fri), 2026**

2. Number of Students to be Accepted

Name of department	Number of students to be accepted
Mathematical Sciences	25
Physics	35
Chemistry	35
Biological Sciences	40

- The expected number of successful applicants in the winter examination is set at about 10-20% of the above number.
- As for the October enrollment, please see the page 23 refer to the "Application Guidelines for the Master's Program (2025 October Enrollment) of the Graduate School of Science, Tokyo Metropolitan University."

3. Qualification *

(1) Individuals who have graduated or are expected to graduate from a university by March 2026 (Note 1)

(2) Individuals who have been granted or are expected to be granted a bachelor's degree by March 31, 2026, under Article 104 Paragraph 4 of the School Education Act of Japan (Note 2)

(3) Individuals who have completed 16 years of school education in a foreign country (Note 3)

(4) Individuals who have completed 16 years of school education at a foreign school through distant learning in Japan

(5) Individuals who have received a degree equivalent to a bachelor's degree or are expected to receive one by March 2026 from a foreign university or a foreign school (limited to one that has been evaluated by an organization accredited by the government or a related governmental organization of the said country for the overall performance of its education and research activities or designated separately as so by the Japanese Minister of Education, Culture, Sports, Science, and Technology) upon completion of a three-year or longer course of study (including completion of an educational course of a foreign school through distant learning in Japan or an educational course of a foreign school positioned as an educational institution under the educational system of the said country and designated separately by the Japanese Minister of Education, Culture, Sports, Science, and Technology)

(6) Individuals who have completed a course of study at an educational institution located in Japan that is positioned as the one offering foreign university courses under the educational system of the said country (limited to those who are deemed to have completed 16 years of school education under the educational system of the said country) and designated separately by the Japanese Minister of Education, Culture,

Sports, Science, and Technology

(7) Individuals who have completed a specialized course at a vocational school designated by the Japanese Minister of Education, Culture, Sports, Science, and Technology (limited to the course with a duration of 4 years or more and satisfy the conditions set by the Minister) after the date set by the Minister

(8) Individuals who are appointed by the Japanese Mister of Education, Culture, Sports, Science, and Technology (1953 Ministry of Education Notification No. 5) (Note 4)

(9) Individuals who have been enrolled in a Japanese university for three years or more, or have completed 15 years of school education in a foreign country, or have completed a course of study at an educational institution in Japan that is positioned as the one offering foreign university courses under the educational system of the said country (limited to those who are deemed to have completed 15 years of school education under the educational system of the said country) and designated separately by the Japanese Minister of Education, Culture, Sports, Science, and Technology, and who are recognized to have acquired the predetermined credits with excellent results at the faculty meeting of the Graduate School of Science (Note 5)

(10) Individuals who are recognized by the Graduate School of Science as having academic ability equal to or superior to a university graduate based on the individual application qualification screening and who are 22 years of age or over (as of April 1, 2026)

* Those who are applying under the above (3) or (4) should submit Applicant's inquiry sheet under the qualification (3) or (4).

* Those who are applying under the above (5) should consult with the Academic Affairs Section of Science before sending application documents.

* Those who are applying under the above (9) or (10) must undergo the application qualification screening. Please make an application following the rules stated on the following page of these Guidelines.

(Note 1) Universities as defined in Article 83 of the School Education Act of Japan

(Note 2) Submission of a NIAD-UE certificate issued by the National Institution for Academic Degrees and University Evaluation is required during the admissions processing period.

(Note 3) Including those who have completed a total of 16 years of school education in Japan and abroad combined.

(Note 4) Graduates of National Defense Academy of Japan, National Fisheries University, Meteorological College, Polytechnic University, etc.

(Note 5) This applies to "early admission students" (including those who have been enrolled in a university for at least three years as of March 31, 2026). This also applies to "prospective early graduating students" who cannot submit a certificate of expected graduation at the time of application.

4. Application Qualification Screening

Applicants who fall under the following should undergo the application qualification screening:

- Those who apply under the Qualification (9)
- Those who apply under the Qualification (10)

(1) Those who apply under Qualification (9)

Please notify the Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences, Administrative Affairs Department of Tokyo Metropolitan University before the application period

specified below. Documents to be submitted will be instructed separately.

<Inquiry period>

[Summer examination] **June 12 (Thu) to 19 (Thu), 2025**

[Winter examination] **November 6 (Thu) to 13 (Thu), 2025**

<Application period>

[Summer examination] **June 19 (Thu) to 26 (Thu), 2025**

[Winter examination] **November 13 (Thu) to 20 (Thu), 2025**

(Weekdays from 10:00 am - 12:00 pm and 2:00 pm - 4:00 pm only [excluding national holidays])

(2) Those who apply under Qualification (10)

<Application period>

[Summer examination] **June 19 (Thu) to 26 (Thu), 2025**

[Winter examination] **November 13 (Thu) to 20 (Thu), 2025**

Please bring the required documents to the Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences, Administrative Affairs Department of Tokyo Metropolitan University during the period specified above.

(Weekdays from 10:00 am - 12:00 pm and 2:00 pm - 4:00 pm only [excluding national holidays])

If you send the documents by post, they must be postmarked on or before the last day of the deadline.

<Documents to be submitted>

- Confirmation of qualification (Designated form by the Graduate School)
- Certificate of (expected) graduation from the last educational institution
- Academic transcript from the last educational institution
- Statement of purpose (A4, 1 page)
- Confirmation of educational background (Designated form by the Graduate School)

  [Note for the applicants to the Department of Biological Sciences]

  Please write down your career and research experiences after the last educational institution, if any. In addition, if there are any documents proving your engagement in research work, etc. (for example, a paper, a presentation summary for an academic conference, a certificate of research participation issued by a research institute, a certificate issued by a thesis adviser, etc.), attach them as well.
- A self-addressed stamped envelope (standard-size, with 410-yen postage stamps affixed [express delivery fee included]) (For notification of application approval/rejection purpose)

Note: Resubmission of both “certificate of (expected) graduation” and “academic transcript” from the last educational institution will not be required at the time of formal application.

<Designated forms>

Designated forms can be downloaded from the website of the Graduate School of Science (https://www.se.tmu.ac.jp/en/entrance_exam.html).

<Place for submission>

Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences, Administrative Affairs Department of Tokyo Metropolitan University

(Send by registered express mail and write down in red "Documents for qualification screening to the Master's program enclosed" on the front left side of the envelope.)

<Notice of screening results>

[Summer examination] **July 10 (Thu), 2025** (to be sent out on)

[Winter examination] **December 4 (Thu), 2025** (to be sent out on)

Individuals who are admitted to undergoing application may proceed with the formal application procedure following these Guidelines.

5. Request for Written Examination in English

Applicants who wish to take the written examination in English must contact the Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences, Administrative Affairs Department of Tokyo Metropolitan University during the following period. We will respond to the request after consultation. A request form can be downloaded from the website of the Graduate School of Science (https://www.se.tmu.ac.jp/en/entrance_exam.html).

<Request acceptance period>

[Summer examination] **June 19 (Thu) to 26 (Thu), 2025**

[Winter examination] **November 13 (Thu) to 20 (Thu), 2025**

Please bring the form to the Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences, Administrative Affairs Department of Tokyo Metropolitan University during the period specified above. (Weekdays from 10:00 am - 12:00 pm and 2:00 pm - 4:00 pm only [excluding national holidays])

If you send the form by post, it must be postmarked on or before the last day of the deadline.

6. Request for Special Consideration or Arrangement Related to Physical Disability

If you would like to request special consideration or arrangement related to physical disability at the time of examination or during school attendance, please notify us in advance. Please download the designated request form on the website of the Graduate School of Science (https://www.se.tmu.ac.jp/en/entrance_exam.html).

<Request acceptance period>

[Summer examination] **June 19 (Thu) to 26 (Thu), 2025**

[Winter examination] **November 13 (Thu) to 20 (Thu), 2025**

Please bring the request form to the Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences, Administrative Affairs Department of Tokyo Metropolitan University during the period specified above. (Weekdays from 10:00 am - 12:00 pm and 2:00 pm - 4:00 pm only [excluding national

holidays])

If you send the form by post, it must be postmarked on or before the last day of the deadline.

<Documents to be submitted>

Request for consultation regarding entrance examination to the Master's program at the Graduate School of Science (Designated form by the Graduate School)

A self-addressed stamped envelope (standard-size, with 410-yen postage stamps affixed [express delivery fee included]) (For notification of application approval/rejection purpose)

<Place for submission>

Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences, Administrative Affairs Department of Tokyo Metropolitan University

(Send by **registered express mail** and **write down in red "Request for consultation regarding entrance examination to the Master's program enclosed"** on the front left side of the envelope.)

7. Request for Adult Working Student Enrollment

Programs suitable for adult working students are available to individuals who fall under any of the items listed in "3 Qualification" on pages 6-7 of these Guidelines and ever worked at the same company or research/ educational institution for more than one year by the time of enrollment. The applicant must continue working for their current employer with being approved by their immediate manager after the enrollment in the Master's program. If you wish to enroll as an adult working student, notify us in advance in the way explained below. It is still possible to apply for the Master's program as a general student without using this system.

<Request acceptance period>

[Summer examination] **June 19 (Thu) to 26 (Thu), 2025**

[Winter examination] **November 13 (Thu) to 20 (Thu), 2025**

Please bring the required documents to the Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences, Administrative Affairs Department of Tokyo Metropolitan University during the period specified above. (Weekdays from 10:00 am - 12:00 pm and 2:00 pm - 4:00 pm only [excluding national holidays])

If you send them by post, they must be postmarked on or before the last day of the deadline.

<Documents to be submitted>

- Curriculum vitae (Designated form by the Graduate School)
- Certificate of approval for application (signed by applicant's immediate manager) (Designated form by the Graduate School)
- Research interest information sheet (Designated form by the Graduate School or a document created in accordance with it)
- Certificate of (expected) graduation from the last educational institution

- A self-addressed return envelope (standard-size, with 344-yen postage stamps affixed [express delivery fee included]) (For notification of application approval/rejection purpose)

Note: Resubmission of "Certificate of (expected) graduation" from the last educational institution will not be required at the time of formal application.

<Designated forms>

Please download the designated forms on the website of the Graduate School of Science (https://www.se.tmu.ac.jp/en/entrance_exam.html).

<Place for submission>

Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences, Administrative Affairs Department of Tokyo Metropolitan University

(Send **by registered express mail** and **write down in red "Request for consultation regarding application for adult working student to the Master's program enclosed**" on the front left side of the envelope.)

<Notice of results>

[Summer examination] **July 10 (Thu), 2025** (to be sent out on)

[Winter examination] **December 4 (Thu), 2025** (to be sent out on)

Note: **Applicants who are deemed to require an interview etc. will be notified separately.**

<Application procedure>

Individuals who are admitted to undergoing application may proceed with the application procedure following these Guidelines.

<Partial exemption from the written examination>

Applicants to the Department of Biological Sciences as a working adult student shall be exempted from the written biology examination when they have taken two or more department courses (4 credits or more) as a credited auditor and are approved as having a sufficient level of academic ability enough to obtain credits. (The Graduate School of Science adopts the Special Provision on Educational Method stipulated in Article 14 of the Standards for Establishment of Graduate Schools.)

8. Applicants Residing Outside Japan

Applicants residing outside Japan require individual support for the application. Please inform the Academic Affairs Section of Science by e-mail (rikou.r@jmj.tmu.ac.jp) before the application period starts.

9. Long-term Study System

Graduate School of Science has a system in which students may complete the program on a pre-planned basis during a fixed period exceeding the standard study duration (two years for the Master's program) under such circumstances of occupation, childbirth, childcare, nursing needs, etc. Under this system, students shall pay the same amount of tuition fees as regular students in installments over the period permitted for their long-term study.

<Qualification criteria>

Students who have difficulty completing their courses within the standard study duration due to any of the following reasons:

(1) Occupation as a full-time employee

(2) Childbirth, childcare, or nursing needs

(3) Other reasons approved as exceptional circumstances

<Application procedure>

Application Information and forms are available to download from the website of the Graduate School of Science (https://www.se.tmu.ac.jp/en/entrance_exam.html). Send the application forms together with other required documents. For the details of this program, please confirm with the Application Information.

Notification of approval/rejection is scheduled to be sent out on the date below.

[Summer examination] **September 8 (Mon), 2025**

[Winter examination] **February 24 (Tue), 2026**

10. Application Procedure

Applicants must submit the following documents by the prescribed date.

Application documentation	Remarks
(1) Application Form Exam admission card Photo card Exam desk card	Use the designated form by the Graduate School. ・Enter the desired application field number corresponding to the fields of research listed on pages 24-27. **[Department of Physics]** Write the desired field number in the first-choice column and at most 2 group numbers from A to D in the second-choice column, from the left in the order of preference. **[Department of Chemistry]** Write the desired field number of the first choice in the first-choice column and at most four field numbers from the second to the fifth choices in the second-choice column, from the left in the order of preference. **[Department of Biological Sciences]** Write the desired field number in the first-choice column and the second and third choices in the second-choice column, from the left in the order of preference. For further details, please read carefully "Precautions for Taking the Entrance Examinations" on page 28 and following. ・Affix your photo (4 cm in height x 3 cm in width, upper-body, frontal and bare head, taken within the last three months of application) in the specified space.

<table>
<tr><td>(2)
Academic transcript
(Original hard copy)</td><td>Issued by the president/ dean of the university attended
(Attach its English translation if written in other than Japanese or English.)
[Note]
Current students in the School of Science and Engineering / Faculty of Science at TMU (except early graduating students) don’t need to submit their academic transcript and the certificate of (expected) graduation.</td></tr>
<tr><td>(3)
Certificate of (expected) graduation
(Original hard copy)</td><td>*If you have graduated from a higher education institution in the People's Republic of China
Instead of submitting degree certificates and transcripts, students may submit the Academic credentials certification report and the Grade Certification Report issued by the China Higher Education Student Information (CHSI) or the Japanese Agency of the China Academic Record and Student Registration Certification Centre. These documents will also be accepted.</td></tr>
<tr><td>(4)
Payment certificate for the entrance examination fee (or printout of the “Result page”)</td><td>・30,000 Japanese yen (Entrance examination fee)
・<u>The entrance examination fee will not be refunded for any reason once the application is processed.</u>
【Online payment (e-shiharai net)】
[Payment on the Japanese website]
Paste the “Payment certificate” portion of the “Handling statement of entrance exam/screening fee” on the “Certificate for a Fee Payment by Using Payment Slip or Online Payment System” provided in these Guidelines.
[Payment on the English website]
Submit a printout of the “Results page.”
Note: For the payment made at a convenience store or Pay-easy ATM in Japan, submit the <u>original</u> payment certificate. For the payment using an electronic payment method such as credit card, internet banking, Alipay, and UnionPay service, submit a printout of the payment certificate or the “Result page.”</td></tr>
<tr><td>(5)
Return-mail envelope</td><td>Write down your address, name, and postal code, and affix 410-yen postage stamps (express delivery fee included) on the return-mail envelope.</td></tr>
<tr><td>(6)
Return address label (Summer entrance examination applicants only)</td><td>It will be used after passing the entrance examination when the university sends you the admission documents. Write your name and address clearly in block letters so that the mail surely reaches you. If your address has been changed after making an application to the Graduate school, make sure to promptly report it to the Academic Affairs Section of Science and apply for the mail forwarding service at a post office.</td></tr>
</table>

(7) Applicants to the Departments of Physics, Chemistry and Biological Sciences (except those exempted from the written exam) **Any one of the scores from the following tests:** ・TOEIC Listening & Reading Test ・TOEFL (TOEFL-iBT) ・IELTS (Academic Module)	The validity of an English proficiency test score is within two years before the entrance examination date. Therefore, the test score taken in and after August 2023 and in and after February 2024 is valid for applying for the summer and winter examinations, respectively. **1. Using the TOEIC score** ・A score of the TOEIC Listening & Reading Test is valid. ・A score of a group test (TOEIC-IP) is not acceptable. ・Submit **the original** Official Score Certificate or **Digital Official Score Certificate** together with application documents within the application period. (https://www.iibc-global.org/toeic/test/lr/guide04.html) **2. Using the TOEFL (TOEFL-iBT) score** ・The score of a group test (TOEFL-ITP) is not acceptable. ・Submit either a photocopy of the "Test Taker Score Report" (paper score sheet sent from ETS) or a printout from the My Home Page on the ETS website, together with other application documents within the application period. ・Present the original copy of the "Test Taker Score Report" at the test site of the written examination for cross-checking with the document already submitted at the time of application. When it is difficult to bring the original to the test site by any possibility, contact the Academic Affairs Section of Science for advance checking of the original copy. Note: Test fee includes one free Test Taker Score Report. However, please note that the report will be mailed to you if you have selected "Online score report AND a paper copy" on the "Score Reporting Preference" page when registering for a test. (As of May 2025) ・Successful applicants will be requested to submit the Official Score Reports at a later date. As the due date is indicated together with the Letter of acceptance, make sure to obtain one from the Educational Testing Service (ETS) so that it can be submitted by the due date. The code for Tokyo Metropolitan University is "**7169**." If any falsification is found when comparing the Official Score Reports and the already-submitted score, the entrance permission will be withdrawn. [Reference] https://www.etsjapan.jp/(ETS Japan) **3. Using the IELTS score** ・The score of the IELTS General Training Module is not acceptable. ・Submit **the original** Test Report Form, together with the application form and other documents within the application period. For the information on the handling of scores, see the website of the Graduate School of Science (https://www.se.tmu.ac.jp/en/prospect/2024M%20English%20admission%20overview/Index%20M_English.htm)
(8) Applicant's inquiry sheet under the	Required for those who apply under the Qualification (3) or (4)

qualification (3) or (4)	
(9) Request for support regarding acquisition/renewal of student visa	If you need any assistance for an acquisition/renewal of a visa, fill out the "Request for support regarding acquisition/renewal of student visa" and submit it together with application documents. Please note that support will be provided only for visa acquisition/renewal at the time of enrollment, not at the entrance examination.
(10) Certificate of receipt of the government-financed scholarship	Government-financed international students (through Embassy recommendation or Domestic selection) who are currently enrolled at another university but are wishing to enter this University must submit the certificate of receipt of the government-financed scholarship. Note: For information on the scholarship period extension for a high-ranking academic program (including this Master's program), please confirm with the university currently attending.
(11) Application form for the long-term study system	For those wishing to have the long-term study system applicable upon enrollment, obtain the Application information and necessary forms on the website of the Graduate School of Science (https://www.se.tmu.ac.jp/en/entrance_exam.html). Submit the completed forms together with other required application documents.

11. Important Reminders

(1) Incomplete application documents will not be accepted.
(2) No documents submitted will be returned, nor will the entrance examination fee be refunded for any reason after the application has been processed.
(3) Make sure to bring the Exam admission card on the day of the examination.
(4) If fraud or other act of dishonesty is found during the entrance examination or in the application procedure, enrollment will be rescinded even after admission has been granted.

12. Handling of Personal Information

Please acknowledge beforehand that Tokyo Metropolitan University handles personal information strictly following laws and regulations as follows:

(1) Personal information obtained through the admission selection, such as applicants' names and addresses, shall be used for screening (processing applications, conducting selections, and announcing successful applicants) and admission procedure. Additionally, personal information of enrolled students will be used for 1) academic affairs (school register, educational guidance, etc.), 2) student support service (healthcare, employment support, tuition fee reduction/exemption, scholarship application, etc.), and 3) clerical work for tuition collection.
(2) Admission evaluation results gained through the admission selections will be used for future admission selection procedures.

II Payment of Entrance Examination Fee

(1) **Online payment (e-shiharai.net)**

Register for e-shiharai.net (https://e-shiharai.net/) in advance and pay either at a convenience store, through Pay-easy ATM/Internet Banking, by credit card, through Alipay international settlement service or UnionPay service. (In the case of payment made outside Japan, credit card, Alipay international settlement service, and UnionPay service are acceptable).

For the payment method details, please refer to a separate sheet titled "How to Pay the Entrance Examination Fee to the Graduate School of Science of Tokyo Metropolitan University (Application from within and outside Japan)." The service charge should be shouldered by the remitter.

[Payment made on the Japanese website]

After the payment, detach the "Payment certificate" portion of the "Handling statement of entrance exam/screening fee," paste it on the "Certificate for a Fee Payment by Using Payment Slip or Online Payment System," and submit it together with the application documents.

[Payment made on English website]

After the payment, submit a printout of the "Results page" together with the application documents.

<Payment period>

[Summer examination] **July 11 (Fri) to August 1 (Fri), 2025**

[Winter examination] **December 19 (Fri), 2025 to January 8 (Thu), 2026**

[Note] For questions concerning the e-shiharai.net procedures, please refer to "FAQ" on the website (https://e-shiharai.net/ecard/sss/FAQ.html) and then contact the e-Service Support Center.

【Exemption from the entrance examination fee for the victims of natural disasters】

Applicants affected by any of the natural disasters (The Great East Japan Earthquake occurred in March 2011 and Heavy rain in July 2020) will be exempted from paying the entrance examination fee. Before paying the entrance examination fee, please consult with the Academic Affairs Section of Science, Administrative and Student Affairs Division of Sciences.

III Summer Examination (August 26 and 27, 2025)

1. Application Period

July 25 (Fri) to August 1 (Fri), 2025 (Application must be postmarked on or before the last day of the deadline.)

- **The application will be accepted only by post. The application directly delivered in person will not be accepted.**
- Send the application in the envelope provided in these Guidelines to the Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences, Administrative Affairs Department of Tokyo

Metropolitan University by registered express mail.

- Send the application well in advance, considering the days to be delivered.
- Make sure to contact the Academic Affairs Section of Science if you do not receive your Exam admission card **by August 15 (Fri), 2025**.

2. Entrance Examination Fee

30,000 Japanese yen

- Please see the previous page for the payment method.
- The entrance examination fee will not be refunded for any reason once the application is processed.

Note: A refund can be made only when an applicant paid the entrance examination fee but didn't send the application documents or paid the fee twice by mistake. For details, please see the following University's website.
https://www.tmu.ac.jp/campus_life/tuition/expenses.html (Japanese site)

3. Screening Method for Applicants

Screening of applicants is conducted based on the results of written and oral examinations and the academic transcript of the last educational institution in a comprehensive manner. However, a predetermined number of applicants currently enrolled in the Faculty of Science at Tokyo Metropolitan University may be exempted from taking the written examination based on their academic performance, an evaluation of which is conducted separately.

(1) Examination subjects and screening date and time: See below.

(2) Examination venue:

Buildings No. 8, 11 or 12, Minami-Osawa Campus, Tokyo Metropolitan University

(Applicants will be notified of the details when receiving the Exam Admission Card.)

Announcement of the first examination results:

Exam admission card numbers of the successful applicants will be posted on the website of the Graduate School of Science (https://www.se.tmu.ac.jp/). Please note that telephone inquiries are not accepted.

[Date] August 27 (Wed) at 8:30 am

Successful applicants can proceed with the second examination.

4. Announcement of Results

Date & time: **September 8 (Mon) at 2:00 pm**

Exam admission card numbers of the successful applicants will be posted on the website of the Graduate School of Science (https://www.se.tmu.ac.jp/). Please note that telephone inquiries are not accepted.

Summer examination: Examination subjects, examination date and time, etc.

<table>
<tr><th rowspan="2">Department</th><th colspan="2">Examination</th><th colspan="2">Date and time</th></tr>
<tr><th>Specialized subject</th><th>Foreign language</th><th>First examination (written examination)</th><th>Second examination (oral examination)</th></tr>
<tr><td>Mathematical Sciences</td><td>Math
(perfect score: 300)</td><td>English
(perfect score: 60)</td><td>August 26 (Tue)
9:30 am - 11:30 am Math I
1:00 pm - 2:30 pm Math II
2:50 pm - 3:40 pm English</td><td>August 27 (Wed)
10:00 am – 5:00 pm</td></tr>
<tr><td>Physics</td><td>Physics
(perfect score: 250)</td><td>Assessed based on the TOEIC, TOEFL, or IELTS score
(perfect score: 50)</td><td>August 26 (Tue)
9:30 am - 11:30 am Physics I
12:30 pm - 2:30 pm Physics II
[Adult working applicants are exempted from “Physics I” examinations.]</td><td>August 27 (Wed)
1:00 pm - 7:00 pm</td></tr>
<tr><td>Chemistry</td><td>Chemistry
(perfect score: 250)</td><td>Assessed based on the TOEIC, TOEFL, or IELTS score
(perfect score: 75)</td><td>August 26 (Tue)
9:30 am -11:10 am Chemistry I
11:30 am - 12:50 pm Chemistry II</td><td>August 27 (Wed)
1:00 pm - 5:00 pm</td></tr>
<tr><td rowspan="2">Biological Sciences</td><td rowspan="2">Biology
(perfect score: 200)</td><td rowspan="2">Assessed based on the TOEIC, TOEFL, or IELTS score
(perfect score: 200)</td><td rowspan="2">August 26 (Tue)
9:30 am - 11:30 am Biology</td><td>Successful applicants from the written examination
August 27 (Wed)
10:00 am - 5:00 pm</td></tr>
<tr><td>Applicants exempted from the written examination
August 26 (Tue)
10:00 am - 3:00 pm</td></tr>
</table>

【Important reminders】

(1) Any applicant found to have committed fraud shall be banned from taking the examination.

(2) No dictionaries are allowed for the “foreign language” examination of the Department of Mathematical Sciences.

(3) Applicants to the Department of Mathematical Sciences must read the “Precautions for taking the entrance examinations” on page 29.

(4) Applicants to the Department of Physics must read the “Precautions for taking the entrance examinations” page 30.

(5) Applicants to the Department of Chemistry must read the “Precautions for taking the entrance examinations” on page 31.

(6) Applicants to the Department of Biological Sciences must read the “Precautions for taking the entrance examinations” on pages 32-33.

IV Winter Examination (February 12 and 13, 2026)

1. Application Period

January 5 (Mon) to 8 (Thu), 2026 (Application must be postmarked on or before the last day of the deadline.)

The application will be accepted only by post. The application directly delivered in person will not be

accepted.

- Send the application by **registered express mail** in the envelope provided in these Guidelines to the Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences, Administrative Affairs Department of Tokyo Metropolitan University.
- Send the application well in advance, considering the days to be delivered.
- Be sure to contact the Office if you do not receive your Exam admission card by January 19 (Mon), 2026.

2. Entrance Examination Fee

30,000 Japanese yen

- As for the payment method, please see pages 16-17.
- The entrance examination fee will not be refunded for any reason once the application is processed.

Note: A refund can be made only when an applicant paid the entrance examination fee but didn't send the application documents or paid the fee twice by mistake. For details, please see the University's website. https://www.tmu.ac.jp/campus_life/tuition/expenses.html (Japanese site)

3. Screening Method for Applicants

Screening of applicants is conducted based on the results of written and oral examinations and the academic transcript of the last educational institution in a comprehensive manner.

(1) Examination subjects and screening date and time: See below.

(2) Examination venue:
Buildings No. 8, 11 or 12, Minami-Osawa Campus, Tokyo Metropolitan University
(Details will be informed by receiving your Exam admission card.)

(3) Announcement of results of the first examination:
[Place] Exam admission card numbers of the successful applicants will be posted on the website of the Graduate School of Science (https://www.se.tmu.ac.jp/). Please note that telephone inquiries are not accepted.

[Date] February 12 (Thu), 2026 at 7:00 pm

Successful applicants can proceed with the second examination.

4. Announcement of Results

Date & time: **February 24 (Tue) at 2:00 pm**
Exam admission card numbers of the successful applicants will be posted on the website of the Graduate School of Science (https://www.se.tmu.ac.jp/). Please note that telephone inquiries are not accepted.

(1) A letter of acceptance will be issued to the successful applicants at the Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences in exchange for the Exam admission card.
[Period] **February 24 (Tue)** 2:00 pm – 5:00 pm

February 27 (Fri) 10:00 am - 12:00 pm and 2:00 pm - 5:00 pm

To request the results by post, submit, after the oral examination, the Exam admission card and an A4 size self-addressed return-mail envelope (24 cm x 33.2 cm, with your Exam admission card number written and 790-yen postage stamp affixed) to the Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences, Administrative Affairs Department of Tokyo Metropolitan University.

Winter examination: Examination subjects, examination date and time, etc.

Department	Written examination		Date and time	
	Specialized subject	Foreign language	First examination (written examination)	Second examination (oral examination)
Mathematical Sciences	Math (perfect score: 200)	English (perfect score: 40)	February 12 (Thu) 9:30 am - 11:30 am Math I 11:50 am - 12:40 pm English	February 13 (Fri) 10:00 am - 5:00 pm
Physics	Physics (perfect score: 250)	Assessed based on the TOEIC, TOEFL, or IELTS score (perfect score: 50)	February 12 (Thu) 9:30 am - 10:30 am Physics I 11:00 am - 12:00 am Physics II [Adult working applicants are exempted from "Physics I" examinations.]	February 13 (Fri) 10:00 am - 5:00 pm
Chemistry	Chemistry (perfect score: 100)	Assessed based on the TOEIC, TOEFL, or IELTS score (perfect score: 50)	February 12 (Thu) 9:30 am - 11:00 am Chemistry	February 13 (Fri) 10:00 am - 5:00 pm
Biological Sciences	Biology (perfect score: 200)	Assessed based on the TOEIC, TOEFL, or IELTS score (perfect score: 200)	February 12 (Thu) 9:30 am - 11:30 am Biology	February 13 (Fri) 10:00 am - 5:00 pm

【Important reminders】

(1) Any applicant found to have committed fraud shall be banned from taking the examination.

(2) No dictionaries are allowed for the "foreign language" examination of the Department of Mathematical Sciences.

(3) Applicants to the Department of Mathematical Sciences must read the "Precautions for taking the entrance examinations" on page 29.

(4) Applicants to the Department of Physics must read the "Precautions for taking the entrance examinations" page 30.

(5) Applicants to the Department of Chemistry must read the "Precautions for taking the entrance examinations" on page 31.

(6) Applicants to the Department of Biological Sciences must read the "Precautions for taking the entrance examinations" on pages 32-33.

V Admission Procedure, Admission Fees, and Tuition Fees

1. Admission Procedure

Admission-related documents are scheduled to be provided in February 2026 to the successful applicants from

both the summer and winter examinations. Please complete the admission procedure during the designated period. Successful applicants from the summer examination must register a "Letter of intent to register" by the date specified by the Graduate School. **Failure to do so will result in the cancellation of admission. For details, please refer to the document to be provided at the time of issuance of the Letter of acceptance**.

Tokyo Metropolitan University has established the "Tokyo Public University Corporation Security Export Control Regulations" based on the "Foreign Exchange and Foreign Control Trade Law" and carries out strict screening from the perspective of providing technology and exporting goods when accepting international students. Please note that those falling under the regulated matters may not be admitted to the University or be restricted in the research activities they wish to do at the University. For further information, please refer to the following website of the University's Security Export Control.
https://www.tmu.ac.jp/cooperation/compliance/exportcontrol.html

2. Admission Fee

Residents of Tokyo: 141,000 Japanese yen (tentative amount)
Others: 282,000 Japanese yen (tentative amount)

Notes:

- The admission fee should be paid at the time of submission of admission documents.
- If the admission fee is revised, the new price shall apply.
- **A "resident of Tokyo" refers to the one whom he/she, or his/her spouse, or a first-degree relative has lived in Tokyo continuously for one year or longer (from April 1, 2025) before the day of enrollment (April 1, 2026). The decision for granting certification of "resident of Tokyo" will be made based on the "Certificate of Items Stated in Resident Register" if the applicant him/herself lives in Tokyo, or in other cases the "Certificate of Items Stated in Resident Register" and "Extract of Family Register" of his/her relative living in Tokyo.**

3. Tuition Fee

Annual amount: 520,800 Japanese yen (tentative amount)

Notes:

- The tuition fee should be paid by account transfer. Half of the annual amount (260,400 Japanese yen) is charged from the bank account in late April and in late October.
- If the tuition fee is revised during the Academic Year 2025, the new price will apply to the students entering in the Academic Year 2026.
- The tuition fee waiver is available.

For further details, please contact the Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences, Administrative Affairs Department of Tokyo Metropolitan University.
Tel: 042-677-1111 Ext.3022 Email: rikou.r@jmj.tmu.ac.jp

VI Application Guidelines for the Master's Program <2025 October Enrollment> (August 26 and 27, 2025)

1. Application Period (please see III Summer Examination)

July 25 (Fri) to August 1 (Fri), 2025 (Application must be postmarked on or before the last day of the deadline.)

2. Number of Students to be Accepted

Name of department	Number of students to be accepted
Mathematical Sciences	A few
Physics	A few
Chemistry	A few
Biological Sciences	A few

3. Qualification *

(1) Individuals who have graduated or are expected to graduate from a university by September 2025 (Note 1)

(2) Individuals who have been granted or are expected to be granted a bachelor's degree by September 30, 2025, under Article 104 Paragraph 7 of the School Education Act of Japan (Note 2)

(3) Individuals who have completed 16 years of school education in a foreign country (Note 3)

(4) Individuals who have completed 16 years of school education at a foreign school through distant learning in Japan

(5) Individuals who have received a degree equivalent to a bachelor's degree or are expected to receive one by September 30, 2025 from a foreign university or a foreign school (limited to one that has been evaluated by an organization accredited by the government or a related governmental organization of the said country for the overall performance of its education and research activities or designated separately as so by the Japanese Minister of Education, Culture, Sports, Science, and Technology) upon completion of a three-year or longer course of study (including completion of an educational course of a foreign school through distant learning in Japan or an educational course of a foreign school positioned as an educational institution under the educational system of the said country and designated separately by the Japanese Minister of Education, Culture, Sports, Science, and Technology)

(6) Individuals who have completed a course of study at an educational institution located in Japan that is positioned as the one offering foreign university courses under the educational system of the said country (limited to those who are deemed to have completed 16 years of school education under the educational system of the said country) and designated separately by the Japanese Minister of Education, Culture, Sports, Science, and Technology

(7) Individuals who have completed a specialized course at a vocational school designated by the Japanese Minister of Education, Culture, Sports, Science, and Technology (limited to the course with a duration of 4 years or more and satisfy the conditions set by the Minister) after the date set by the Minister

(8) Individuals who are appointed by the Japanese Mister of Education, Culture, Sports, Science, and Technology (1953 Ministry of Education Notification No. 5) (Note 4)

(9) Individuals who are recognized by the Graduate School as having academic ability equal to or superior to a university graduate based on the individual application qualification screening and who are 22 years of age or over (as of October 1, 2025)

* Those who are applying under the above (3) or (4) should submit the "Applicant's Inquiry Sheet under Qualification (3) or (4)."
* Those who are applying under the above (9) should undergo the application qualification screening. Please follow the rules stated on page 7 of these Guidelines.

(Note 1) Universities as defined in Article 83 of the School Education Act of Japan

(Note 2) Submission of a NIAD-UE certificate issued by the National Institution for Academic Degrees and University Evaluation is required during the admissions processing period.

(Note 3) Including those who have completed a total of 16 years of programs in Japan and abroad combined.

(Note 4) Graduates of National Defense Academy of Japan, National Fisheries University, Meteorological College, Polytechnic University, etc.

※Other details are the same as the summer entrance exam.

4. **Entrance Examination Fee** (The details are the same as for the summer entrance examination.)
5. **Screening Method for Applicants** (please see III Summer Examination)
6. **Announcement of Results**

Date & time: **September 8 (Mon) 2:00 pm to 9 (Tue) 5:00 pm, 2025**

Exam admission card numbers of the successful applicants will be posted on the website of the Graduate School of Science (https://www.se.tmu.ac.jp/). Please note that telephone inquiries are not accepted.

(1) A letter of acceptance and Admission-related documents will be issued to the successful applicants **at the Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences** in exchange for the Exam admission card.

[Period] **September 8 (Mon) 2:00 pm – 5:00 pm only**
9 (Tue) 10:00 am – 12:00 pm and 2:00 pm – 5:00 pm

(2) To request the results by post, submit, after the oral examination, the Exam admission card and an A4 size self-addressed return-mail envelope (24 cm x 33.2 cm, with your Exam admission card number written and 720-yen postage stamp affixed) to the Academic Affairs Section of Science, Academic and Student Affairs Division of Sciences, Administrative Affairs Department of Tokyo Metropolitan University.

2025 October Enrollment Examination: Examination subjects, examination date and time, etc. (See III Summer Examination)

VI Introduction of Thesis Advisors, Visiting Professors from Partner Institutions, and Study Fields of the Graduate School of Science

(1) Professors whose names are marked with "*" are scheduled to retire in March 2027 and those marked with "**", in March 2028.

(2) Numbers 1, 2, …on the rightmost column should correspond to the field number written down in the "application field" of the Application Form. In the case of applicants of the Department of Physics, however, enter only the field number in the first choice column under "application field" of the Application Form and enter only group numbers A to D in the second choice column. (For details, refer to "Important Reminders for Applicants of the Department of Physics.)
Further, in the case of applicants of the Department of Chemistry, enter at most 4 field numbers from the second choice to the fifth one in the second choice column under "application field" of the Application Form, from the left in the order of preference. (For details, refer to "Important Reminders for Applicants of the Department of Chemistry.)

(3) The Graduate School of Science has concluded an agreement on a joint graduate school program with research institutes based on which students can receive research guidance from visiting professors from the partner institutes. The names, study fields, and study descriptions of visiting professors are mentioned separately after the list of this University's faculty members in each Department. For details, please contact a university faculty member who has the same field number as the visiting professor from a partner institute.

(4) For applicants of the winter examination: Please directly contact the prospective thesis advisors regarding the availability of laboratories after the summer examination.

As of April, 2026 (Scheduled)

◆Mathematical Sciences

Research Field	Thesis Advisor		Research Subject	Field Number
Algebra	Professor	KURODA, Shigeru	Affine Algebraic Geometry, Polynomial Ring Theory	1
Analysis	Associate Professor	SHIMOJO, Masahiko	Reaction Diffusion Equations, Dynamical Systems	2
Analysis	Professor	YOSHITOMI, Kazushi	Partial Differential Equations, Pseudo-Differential operators	3
Geometry	Associate Professor	FUKAYA, Tomohiro	Geometric Group Theory, Coarse Geometry	4
Algebra	Professor	TSUMURA, Hirofumi *	Analytic Number Theory	5
Algebra, Geometry	Professor	TOKUNAGA, Hiro-o *	Algebraic geometry, Topology of algebraic curves and surfaces, Arithmetic of Branched Covers	6
Geometry	Professor	YOKOTA, Yoshiyuki	Knot, 3-Manifold, Quantum Invariant	7
Geometry	Associate Professor	AKAHO, Manabu	Symplectic Geometry, Floer Theory, Morse Theory	8
Algebra, Geometry	Professor	UEHARA, Hokuto	Algebraic Geometry, Classification Theory of Higher Dimensional Algebraic Varieties, Derived Categories of Coherent Sheaves	9
Algebra, Geometry, Applied Mathematics	Associate Professor	KOBAYASHI, Masanori	Algebraic Geometry, Mirror Symmetry, Related Mathematical Sciences	10
Geometry	Professor	SAKAI, Takashi	Differential Geometry, Submanifold Theory	11
Applied Mathematics, Algebra	Professor	UCHIYAMA, Shigenori	Cryptography, Algorithmic Number Theory	12
Applied Mathematics, Algebra	Associate Professor	YOKOYAMA, Shun-ichi	Symbolic Computation, Computational Number Theory, Cryptography	13
Applied Mathematics, Analysis	Associate Professor	ISHITANI, Kensuke	Probability Theory, Mathematical Finance	14
Applied Mathematics, Algebra	Associate Professor	UCHIDA, Yukihiro	Algorithmic Number Theory, Arithmetic Geometry, Cryptography	15
Applied Mathematics	Associate Professor	SUZUKI, Toshio	Theory of Computing, Mathematical Logic	16
Analysis	Associate Professor	SEKI, Yukihiro	Nonlinear Partial Differential Equations, Reaction-Diffusion Systems, Asymptotic Analysis	17
Applied Mathematics, Analysis	Professor	SVADLENKA, Karel	Calculus of Variations, Partial Differential Equations, Mathematical Modeling, Numerical Analysis	18
Algebra, Geometry	Associate Professor	KANEMITSU, Akihiro	Algebraic Geometry, Vector bundles on algebraic varieties	19
Applied Mathematics	Associate Professor	SATO, Shun	Numerical analysis, Continuous optimization	20
Geometry	Associate Professor	KAZUKAWA, Daisuke	Geometric Analysis, Metric Measure Spaces, Convergence Theory, Concentration of Measure Phenomenon	21

◆Physics

Research Field	Thesis Adviser		Research Subject	Field Number	Group
Particle Physics	Associate Professor	YIN Wen	Particle Physics, Particle Cosmology	1	A
Cosmology and Gravitation	Associate Professor	MOTOHASHI Hayato	Cosmology, Gravitational Physics	2	
Theoretical Astrophysics	Professor	FUJITA Yutaka	High-Energy Astrophysics, Cosmology	4	
Quantum Condensed Matter Theory	Professor Associate Professor	MORI Hiroyuki * ARAHATA Emiko	Low-Dimensional Systems, Cold Atoms, Quantum Phenomena Quantum Gases, Superconductivity, Superfluidity	6	B
Strongly Correlated Electron Theory	Professor Associate Professor	HOTTA Takashi HATTORI Kazumasa	Theory of Magnetism and Superconductivity in Strongly Correlated Electron Systems Condensed Matter Theory, Strongly Correlated Electron Systems, Quantum Critical Phenomena	7	
Computational Materials Science	Associate Professor	NOMOTO Takuya	Theoretical research on magnetism, superconductivity, and other quantum phenomena and the search for new materials	8	
Experimental High Energy Physics	Professor	KAKUNO Hidekazu	Experimental High Energy Physics, Experimental Neutrino Physics	9	C
Experimental Astrophysics	Professor Associate Professor	EZOE Yuichiro ISHISAKI Yoshitaka	X-ray Astronomy, Observations and Instrumentation	11	
Soft Matter Physics	Professor	KURITA Rei	Soft Matter, Phase Transition, Non Equilibrium	12	D
Correlated Electron Physics	Professor Professor	AOKI Yuji MATSUDA Tatsuma	Condensed Matter Physics, Spintronics, Topological, Strongly-Correlated Electron Systems, Superconductivity and Magnetism	13	
Superconducting Material	Associate Professor	MIZUGUCHI Yoshikazu	Condensed Matter Physics, Superconductivity, Functional Materials	14	
Nanostructure Physics	Professor	YANAGI Kazuhiro	Condensed Matter Physics in Nano Materials and Integrated Nanostructures, Material Science	15	

※There are no Field Numbers 3, 5 and 10 in Physics group.

Affiliated graduate school

Research Field	Guest teacher	Affiliation	Research Subject
Strongly Correlated Electron Theory (Field 7)	KUBO Katsunori	JAEA	Theory of Superconductivity and Multipole Ordering Emerging from Multiple Degrees of Freedom
Experimental High Energy Physics (Field 9)	ADACHI Ichiro NISHIDA Shohei	KEK	High Energy Physics using SuperKEKB collider and Belle II detector, Search for New Physics beyond the Standard Model
Astrophysics (Field 11)	ISHIDA Manabu	JAXA	X-ray Astronomy, Observations and Instrumentation

◆Chemistry

Research Field	Thesis Adviser		Research Subject	Field Number
Coordination Chemistry	Professor Associate Professor	SUGIURA, Ken-ichi ** ISHIDA, Masatoshi	Synthetic Chemistry Coordination Chemistry, Dye Chemistry	1
Environmental Geochemistry	Professor Associate Professor	TAKEGAWA, Nobuyuki MOTEKI, Nobuhiro	Atmospheric Chemistry, Aerosol, Online Particle Analysis, Optical Particle Characterization, Microparticles in Ocean and Cryosphere	2
Inorganic Chemistry	Professor Associate Professor Associate Professor	YAMAZOE, Seiji OURA, Yasuji KAWASOKO, Hideyuki	Functional Materials Chemistry, Catalytic Chemistry, X-ray Spectroscopy Radiochemistry, Cosmochemistry, Cosmogenic Nuclides Solid state chemistry, Solid state physics, Electrochemistry	3
Organic and Structural Biochemistry	Professor Associate Professor	ITO, Yutaka IKEYA, Teppei	Solution-State NMR, In-cell NMR, Structural Biology Biophysical Chemistry, NMR-based Structural Biology, Computational Biology	4
Organic Chemistry	Professor Associate Professor	NOMURA, Kotohiro Abdellatif Mohamed Mehawed	Organometallics, Molecular Catalysis, Organic Synthesis Polymer Chemistry, Materials Science	5
Biochemistry	Professor Associate Professor	HIROTA, Kouji TAOKA, Masato	DNA Repair, Chromatin, Replication Proteomics, RNA, Biochemistry	6
Solid State Physical Chemistry	Professor Associate Professor	HIROSE, Yasushi OKA, Daichi	Solid State Chemistry, Thin Film Synthesis, Oxide Electronics	7
Physical Chemistry of Molecular Structure and Reaction	Professor Associate Professor	KANYA, Reika OKUMURA, Takuma	Physical Chemistry, Atomic Molecular Optical Physics	9
Synthetic Organic Chemistry	Professor Associate Professor	KUSUMOTO, Shuhei DOI, Ryohei	Organo main group chemistry, Organometallic chemistry	10
Theoretical and Computational Chemistry	Professor	NAKATANI, Naoki	Quantum Chemistry, Electronic Structure Theory, Transition Metal Complexes	11
Isotope Chemistry	Associate Professor	KUBUKI, Shiro	Chemistry of Glass and Ceramics,Radiochemistry of fullerenes	12

※There is no Field Number 8 in Chemisry group.

Affiliated graduate school

Research Field	Guest teacher	Affiliation	Research Subject
Organic and Structural Biochemistry (Field 4)	MIKAWA, Tsutomu	RIKEN	Biofuel cell which mimics metabolic pathways, Functional analysis of proteins which are important for homologous recombination

◆Biological Sciences

Section	Research Field	Thesis Adviser		Research Subjects	Field Number
Biology	Molecular Neuroscience	Prof.	ANDO, Kanae	Neuroscience, Cell Biology, Molecular Biology, Neurological Diseases and Aging	1
	Developmental Biology	Assoc. Prof.	FUKUDA, Kimiko	Morphogenesis, Digestive Tract, Extra-embryonic Tissue	2
		Assoc. Prof.	TAKATORI, Naohito	Germ Layer Fates, mRNA Localization, Cell Polarity, Nuclear Migration	3
	Cellular Biochemistry	Prof.	KAWAHARA, Hiroyuki	Protein Quality Control, Cell Cycle Control, Ubiquitin System	4
		Assoc. Prof.	OTANI, Tetsuhisa	Cell-cell Adhesion and Regulation of Homeostasis	5
	Cellular Genetics	Prof.	SAKAI, Takaomi	Molecular and Celluler Mechanisms of Learning and Memory	6
	Molecular Genetics	Prof.	EHIRA, Shigeki	Molecular Biology & Molecular Physiology of Microorganisms	7
		Assoc. Prof.	OHBAYASHI, Ryudo	Molecular Biology & Evolution of Polyploid Microorganisms	8
	Plant Development and Physiology	Prof.	OKAMOTO, Takashi	Plant Development, Plant Reproduction	9
	Evolutionary Genetics	Prof.	TAKAHASHI, Aya	Evolutionary Genetics, Molecular Basis of Speciation, Population Genomics	10
		Assoc. Prof.	NOZAWA, Masafumi	Evolutionary Genetics, Evolution of Sex Chromosomes, Evolution of Small RNAs	
	Mathematical and Computational Biology	Prof.	TAMURA, Koichiro **	Theoretical and Computational Methodology for Molecular Evolutionary Genetics and Bioinformatics	11
	Plant Environmental Responses	Assoc. Prof.	NARIKAWA, Rei	Photobiology, Photosynthesis, Optogenetics	12
	Environmental Microbiology	Prof.	HARUTA, Shin	Microbial Ecosystems, Interspecies Interaction, Ecophysiology	13
	Animal Ecology	Assoc. Prof.	CRONIN, Adam L.	Behaviorual Ecology, Evolutionary Ecology, Collective Behavior, Systems Biology	14
		Assoc. Prof.	OKAMURA, Yu	Evolutionary Ecology, Chemical Ecology, Plant-Animal interaction	15
	Plant Ecology	Prof.	SUZUKI, Jun-Ichirou	Plant Ecology, Conservation Ecology	16
	Systematic Zoology	Assoc. Prof.	EGUCHI, Katsuyuki	Systematics and Biogeography of Terrestrial Invertebrates (mainly Terrestrial Arthropods)	17
	Systematic Botany	Prof.	TAKAYAMA, Koji	Systematics, Biogeography, and Conservation Biology of Land plants	18
Biomedicine and Biotechnology	Molecular Neuroscience	Prof.	ANDO, Kanae	Neuroscience, Mechanisms underlying Alzheimer's disease and other tauopathies, Drosophila models of neurodegenerative disease	1
	Developmental Biology	Assoc. Prof.	TAKATORI, Naohito	Asymmetric Cell Division, Cell Morphology, Cell Cycle	3
	Cellular Biochemistry	Prof.	KAWAHARA, Hiroyuki	Protein Quality Control Mechanisms Related to Immunology, Oncology, Diabetes and Neurodegenerations	4
	Cellular Genetics	Prof.	SAKAI, Takaomi	Stress-induced Brain Plasticity in *Drosophila*	6
	Plant Development and Physiology	Prof.	OKAMOTO, Takashi	Production of New Crops by in Vitro Fertilization System	8

◇ Affiliated graduate school

Field Number	Guest Professor	Affiliation	Research Subjects
1	MIURA, Yuri	Tokyo Metropolitan Institute for Geriatrics and Gerontology	Search for Diagnostic Markers Using Proteome-based Technologies
1	NONAKA, Takashi	Tokyo Metropolitan Insitute of Medical Science	Molecular Mechanisms of Neurodegenerative Diseases
1	KONDO, Yoshitaka	Tokyo Metropolitan Institute for Geriatrics and Gerontology	Dietary Macronutrient Balance for Healthy Longevity
2	MARUYAMA, Chiaki	Tokyo Metropolitan Insitute of Medical Science	Brain Development, Cell Migration, Neocortical Evolution
4	INOUE, Azusa	RIKEN Integrative Medical Sciences	Intergenerational Epigenetic Inheitance in Mammals
6	UENO, Kohei	Tokyo Metropolitan Insitute of Medical Science	Neural Plasticity in the *Drosophila* Brain
9	MIYADO, Kenji	National Center for Child Health and Development	Molecular Mechanisms of Fertilization and Embryo Implantation, and Establishment of Intrauterine Environment by Symbiotic Bacteria in Animals
11	IYODA, Sunao	National Institute of Infectious Diseases	Genomics, Cell Biology, and Molecular Biology Studies to Elucidate the Pathogenicity of Diarrheagenic Bacteria.
12	YOSHITANE, Hikari	Tokyo Metropolitan Insitute of Medical Science	Circadian Clock and Lifespan/Aging Timer
13	IINO, Takao	RIKEN, BioResource Research Center	Isolation and Polyphasic Taxonomy of Yet-to Be Cultured Archaea and Bacteria.
13	SOMEYA, Yuichi	National Institute of Infectious Diseases	Cell Biology, Biochemistry and Structural Biology of Diarrheal Viruses

VII Precautions for Taking the Entrance Examinations

Important Reminders for
Applicants to the Department of Mathematical Sciences

Department of Mathematical Sciences

1. Mathematics I

   Answer 4 questions in total, including two questions from differential/integral and two from linear algebra (matrix, linear mapping, and vector space).

2. Mathematics II (Only for summer examination)

   There are nine basic questions from the following scope. Choose two questions to answer.

   Scope of questions:

   - Field of algebra (standard form of linear transformation, metric vector space, basics of group theory & ring theory)
   - Field of geometry (general topology, differential geometry of curved surface/line)
   - Field of analysis (vector analysis, differential equations theory, complex functions theory)
   - Field of applied mathematics (discrete mathematics, algorithm)

3. English language

   There are two kinds of English questions on mathematics: one English-Japanese translation and one English composition (Japanese-English translation) questions. Answer those two questions.

4. Previous examination questions (Mathematics I, Mathematics II) are available on the Department's website (URL: https://www.se.tmu.ac.jp/mis/).

5. A questionnaire survey is conducted as a reference for the second-stage examination (oral examination). Please fill out the questionnaire sheet enclosed with the Exam Admission Card and bring it with you on the day of the examination. It will be collected at the examination venue.

6. Please enter the application field number and teacher's name in the "application field number" column.

(Entry example)

*Application field number	
First choice (1) Hiroo	Second choice (2) Yoyogi

[Note] There is a limit to the number of students accepted into each laboratory. Even if an applicant's exam scores satisfy the passing criteria, they may not be admitted to the laboratory of their choice. Please inquire your desired laboratory teacher about the possibility of acceptance by e-mail or other means in advance.

Important Reminders
for Applicants to the Department of Physics

Department of Physics

1. Subjects on the examination

   Physics I: Mechanics, Electromagnetics

   Physics II: Quantum mechanics, Thermal and statistical mechanics

   *Physical mathematics is also included in the exam coverage.

2. Selection procedures

   - First examination

     Examinees receiving high scores in the written examination are selected from each of groups A to D.

   - Second examination

     An oral examination is conducted for each of groups A to D, and applicants are assessed comprehensively based on the results of the first and second examinations. Those who receive scores above the passing score are accepted.

   Enter the application fields in the "application field number" column of the Application Form as follows:

   - First choice: Write down one field number from (1) to (15).
   - Second choice Choose at most two from group codes A to D and write them down from the left in the order of preference.

   (Note)

   Even when the second choice field group is the same as that of the first choice field, you must still enter group code A to D in the "second choice application field" column.

3. If your thesis advisor is scheduled to retire within five years of your enrollment in the Master's program, you will not be allowed to enter the Doctoral program with that faculty member as your thesis advisor. If you are considering advancing to the Doctoral program, please inform the faculty member of the relevant laboratory and consult with him/her before applying.

4. If your thesis advisor is scheduled to retire within two years of your enrollment in the Master's program, you cannot use the Long-term Study System.

5. Important information on the entrance examination for the Department of Physics is available on the following websites. Make sure to check the latest information.

   - Entrance examination in general
     https://www.phys.se.tmu.ac.jp/outside/daigakuin/
   - Previous examination questions
     https://www.phys.se.tmu.ac.jp/outside/daigakuin/kakomon/

Important Reminders for
Applicants to the Department of Chemistry

Department of Chemistry

1. Each laboratory has its own quota. Therefore, even if an applicant satisfies the eligibility criteria, he/she may not be admitted to the laboratory of his/her choice. Please contact the thesis advisor of the laboratory of choice for the quota and the number of applicants.

2. In the "application field number" column of the Application Form, enter the field number of your first choice in the "first choice" column. Then, in the "second choice" column, enter the field numbers of the second choice to the fifth choice in the order of preference. Failure to do so would mean rejection of application or failure to be assigned to a laboratory of your second or lower choice.

(Entry example)

*Application field number	
First choice	Second choice
9	5, 12, 6, 4

3. Questions in chemistry are related to four fields: organic chemistry, biochemistry, inorganic/analytical chemistry, and physical chemistry. How to choose questions is explained on the front page of the question leaflet distributed on the day of the examination.

   Previous chemistry examination questions are available on the Department's website.
   https://www.se.tmu.ac.jp/chem/

Important Reminders for
Applicants to the Department of Biological Sciences

Department of Biological Sciences

1. In the “application field number” column of the Application Form, enter the field number of your first choice in the “first-choice” column. Then, in the “second-choice” column, enter the field numbers of your second and third choices in the order of preference.

(Entry example)

*Application field number	
First choice	Second choice
1	15, 2

2. As each field has a quota, you may not be admitted to the field of your choice even if you have successfully passed the entrance examination. When you satisfy an acceptability criterion but the quota for your first and second choices fields has been filled by other applicants with far more superior results, you will be accepted under the status of “Field Undecided.” Taking the above into consideration, carefully decide the fields of your first and second choices. It is recommended that you contact the teachers in your first and second choices fields and make yourself informed of the research contents, laboratory members, etc., before making an application.

3. The field of the “Field Undecided” successful applicants shall be decided based on the consultations after enrollment. However, they may be assigned to the field of their initial choice if there is any admission cancellation.

4. When you are admitted to the field of your second or third choice, you may become a “Field Undecided” successful applicant by waving the right to your admitted field after admission registration is completed.

5. Detailed information on the field availability, waiver application, and field determination of the “Field Undecided” successful applicants shall be given after admission registration is completed.

6. When you wish to be admitted to a research field of a Visiting professor/associate professor from any of the partner institutions, enter both the field number and teacher’s name in the “application field number” column of the Application Form.

(Entry example)

*Application field number	
First choice	Second choice
(1) Nonaka	15, 1

7. Past entrance examination questions can be requested on the Department's website.

https://biology-grad.biol.se.tmu.ac.jp/

8. Assessment of foreign language proficiency

- "Foreign language proficiency" is assessed based on the TOEFL (TOEFL-iBT), TOEIC Listening & Reading Test, or IELTS (Academic Module) test score. Please refer to "10. Application Procedure" in these Application guidelines.
- Each score is converted into a scale of zero to 200 points for assessment.

1) IELTS: The score is converted according to the table below. A score of 7.5 or more is taken as 200 points.

IELTS	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5-
Points	50	55	57	60	80	95	105	115	135	160	170	180	200

2) TOEFL: The score is converted according to the table below. A score of 91 or more is taken as 200 points.

TOEFL	<19	20 – 28	29 – 32	33-44	45-51	52-60	61-68	69-75	76-82	83-90	91-
Points	57	60	80	95	105	115	135	160	170	180	200

3) TOEIC Listening & Reading Test

TOEIC: TOEIC score/990 x 200, where the score of 990 points or more is taken as 200 points.