

# Graduate School of Science and Engineering

## Admissions Policy

The rapid expansion of science and technology demands qualified researchers and engineers who obtain the ability to discover and solve problems along with a broad perspective that encompasses various fields. The Graduate School of Science and Engineering seeks to educate the students for researchers and highly skilled professionals who will utilize their academic experiences to contribute to the improvement of the human welfare in the perspective of science and engineering. Applicants should possess a certain level of scholastic ability as well as intellectual curiosity and mental strength to pursue their studies. In addition to the General Entrance Examination, the Graduate School offers a variety of entrance examinations including an Entrance Examination for International Students and Entrance Examination for Mature Students as part of its commitment to actively accept students from different backgrounds.

### Master's Degree Program

Major	Discipline	Enrollment Capacity
Engineering Science Major	Mathematics	125
	Pure and Applied Physics	
	Mechanical Engineering	
	Electrical, Electronic and Information Engineering	
Environmental and Urban Engineering Major	Architecture	70
	Civil, Environmental and Applied Systems Engineering	
	Chemical, Energy and Environmental Engineering	
Chemistry, Materials and Bioengineering Major	Chemistry and Materials Engineering	80
	Life Science and Biotechnology	

\* The Graduate School of Science and Engineering has not established separate enrollment capacity for each type of entrance examination.

### Ph.D. Degree Program

Major	Discipline	Enrollment Capacity
Integrated Science and Engineering Major	Mathematics	57
	Pure and Applied Physics	
	Mechanical Engineering	
	Electrical, Electronic and Information Engineering	
	Architecture	
	Civil, Environmental and Applied Systems Engineering	
	Chemical, Energy and Environmental Engineering	
	Chemistry and Materials Engineering	
	Life Science and Biotechnology	

\* The Graduate School of Science and Engineering has not established separate enrollment capacity for each type of entrance examination.

## M. Entrance examination for international students (Master's Degree Program) (Spring Enrollment: October and February applications/Autumn Enrollment: July application)

### 1. Qualification

Applicants shall satisfy one of the following (1)~(5) conditions:

(including applicants who are expected to satisfy one of the following (1)~(4) conditions before enrolling at the Graduate School)

- (1) Applicants who have completed a regular 16-year program of school education outside Japan\*<sup>1</sup>.
- (2) Applicants who have graduated from Japanese universities as international students.
- (3) Persons who have completed a 3-year program or a program of more than 3 years and have been awarded a degree by an overseas university or school\*<sup>2</sup> which is recognized as being equivalent to a bachelor's degree.  
(the 2016 ordinance of the Ministry of Education, Culture, Sports, Science and Technology, No. 19)
- (4) Applicants who have completed Specialized Courses at Japanese special training schools after the designated date by the minister of MEXT<sup>†</sup> as international students. The training schools must satisfy the conditions designated by MEXT including that the length of term required for graduation be at least four years.  
† MEXT; Japanese Ministry of Education, Culture, Sports, Science and Technology
- (5) Applicants who are recognized as having scholastic abilities equivalent or superior to the graduates of university through Qualification Screening for Entrance Examination of the Graduate School. (This requirement shall not apply to the foreigners who are recognized as having received Japanese regular school education program.)

Note;

- \*1 Those enrolled in the following schools are considered to be the same as application qualification (1), as long as the period is less than four years in total.
  - Elementary school, junior high school, high school etc. based on Japanese school education law
  - Foreign school in Japan
  - Overseas educational facilities accredited or designated by the Minister of Education, Culture, Sports, Science and Technology
- \*2 The university or the school shall be evaluated by an organization approved by a relevant official institution in the country for their education and research activities or recognized as so by the Minister of Education, Culture, Sports, Science and Technology.

#### [IMPORTANT] Notes regarding Qualification Screening for Entrance Examination

1. Subjects: Applicants under condition (5)
2. Application procedures and deadline: Refer to 'II To be recognized before application' (in the separate file "Common Items of all Graduate Schools" p.3).  
Applicants under condition (5) should pass the academic qualification test before applying, which will be composed of the document screening and oral examination.  
Note 1. Graduates (or those expected to graduate) from less than 16-year program of school education can also apply. In this case, please inquire to the Graduate School Admissions Division by the submission deadline of the documents required for the screening as soon as possible.  
Note 2. Applicants who have received (or are expected to receive) the degrees in their home countries equivalent to those of Japanese universities can also apply. In this case, please inquire to the Graduate School Admissions Division as soon as possible.

**[Important]** Before submitting your application, contact the faculty member of the research field you are interested in, referring to the information in "Graduate School Information 2020" or the Graduate School of Science and Engineering website. Fill in the date you contacted the faculty member and name of the faculty member in the appropriate space on the statement of reason for applying. (Excluding students currently in the Faculty of Engineering Science, Faculty of Environmental and Urban Engineering and Faculty of Chemistry, Materials and Bioengineering.) Your advisor may not be the one whom you have hoped.

## 2. Application documents

After you have paid the application fee of ¥35,000, submit the documents listed below.

Review “Cautionary note concerning” published in the separate file “Common Items of all Graduate Schools” on page 10-11, and carefully check your application documents for errors before submitting them.

Please clearly note the document number at the bottom right of each application document based on ‘the application document list (Check List)’. Please submit Check List as well as the application documents.

Document to be submitted (document number)	Remarks
Application form (for submission) (1)	Print out and submit after finalizing your online application.
Statement of reason for applying in Japanese or English (2)	Use the form designated by the University. This should be hand-written by the applicant.
Original transcript from all universities and / or other institutions previously attended, or a notarized document certifying courses and grades (3)	If you have transferred from another university to your current university, submit transcripts from all previous universities and other institutions as well. Submit original transcripts or transcripts that have been notarized by an embassy or other public institutions.
Original certificate of (expected) graduation from previously attended universities and / or other institutions, or a notarized document certifying (expected) graduation (4)	This document does not need to be submitted if your transcript indicates or certifies that you have graduated, or that you expect to graduate. Submit an original certificate of (expected) graduation, or a certificate of (expected) graduation that has been notarized by an embassy or other public institutions. You must submit an official certificate of (expected) graduation.
Research plan in Japanese or English (5)	Draft an overview of your proposed research plan of about 1,000 words in length on a computer using A4-size paper (horizontal text with 40 words per row and 40 rows per page). Submit one original and three copies.
Copy of resident card or passport (14)	For a resident card, submit a copy showing both sides. For a passport, submit a copy of pages showing your name, date of birth, photograph, expiration date, residence status, and the most recent period of stay.
Two photographs	Affix a photograph taken within the last three months to the application form (for submission) and to the statement of reason for applying. (The photograph affixed to your application form will be used on the student ID issued after enrollment, should you be admitted.)
<b>Applicants in the following disciplines only.</b> Pure and Applied Physics, Mechanical Engineering and Electrical, Electronic and Information Engineering Disciplines at Engineering Science Major. Architecture and Civil, Environmental and Applied System Engineering Disciplines at Engineering Science Major.	
TOEIC or TOEFL score * Please be sure to submit the original. * The submitted certificate will not be returned.	<<Foreign language tests required for application>> ・ TOEIC® L&R test [OFFICIAL SCORE CERTIFICATE] ・ TOEFL iBT® test [Test Taker (Examinee) Score Report] ・ TOEFL® PBT test [Test Taker (Examinee) Score Report] Note : Score certificates for the TOEIC® L&R test (IP), TOEFL ITP® test or other Institutional Program test will not be accepted. <<Submitting your score certificate>> ・ Score certificates for tests taken during the period from April 1, 2017 until the application deadline date are valid. ・ The original score certificate is required, but a copy will be acceptable at the time of application. If a copy is submitted, the original score certificate must be provided on the day of the examination.

Note 1. Submit your transcript or certificate of (expected) graduation on which both of the entrance and (expected) graduation dates are listed.

Note 2. The accepted documents will not be returned.

### 3. Screening method

The Graduate School will determine whether or not to admit applicants based on a comprehensive evaluation of document screening, written examination, and oral examination.

### 4. Examination Components

Written Examination		Oral Examination
Specialized subject	Foreign language (English)	
10:00 am to 12:00 pm (120 minutes)	1:30 pm to 3:00 pm (90 minutes)	Held after the written examination

Note; More information about the oral examination will be provided on the day of the written examination.

### 5. Examination subjects by major and discipline and allotment

Major	Discipline	Application subjects and scope		Points
Engineering Science Major	Mathematics	Specialized subject	[Required] Calculus, Linear Algebra [Select 2 subjects from the following] Sets and General Topology, Advanced Calculus Differential Equations, Groups and Rings	200
		Foreign language	English	100
		Oral Examination		100
	Pure and Applied Physics	Specialized subject	[Required] One question each in Mechanics, Electromagnetics and Mathematics (Calculus and Linear Algebra) [Elective] Select one question from Quantum Mechanics, Wave Motion, Solid-state Physics or Fluid Dynamics *Specify the test subject when applying	200
		Foreign language	No written examination. Scores of TOEIC or TOEFL test will be converted	100
		Oral Examination		100
	Mechanical Engineering	Specialized subject	[Select 2 of the following 5 subjects when applying] Applied Mathematics, Thermodynamics, Fluid Dynamics, Material Mechanics or Mechanical Dynamics	200
		Foreign language	No written examination. Scores of TOEIC or TOEFL test will be converted	100
		Oral Examination		100
	Electrical, Electronic and Information Engineering	Specialized subject	No written examination.	—
		Foreign language	No written examination.	—
		Oral Examination Questions related to electric circuits, electromagnetics, and the applied research discipline. For electric circuits, questions cover series and parallel circuits, duality, AC circuits (steady-state circuits), etc. For electromagnetics, questions cover electric charge, electric field, electric capacitance, etc.		400
Environmental and Urban Engineering Major	Specialized subject	Short essay on your specialty (answer in Japanese)	250	
	Foreign language	No written examination.	—	
	Oral Examination		150	

Major	Discipline	Application subjects and scope		Points	
Environmental and Urban Engineering Major	Civil, Environmental and Applied Systems Engineering	Specialized subject	Select 2 from 6 subjects of (a) group or 2 from 4 subjects of (b) group. (a-1) Civil Engineering and Planning; within the realm of Basic System Planning of Society and Urban and Regional Planning Hydraulics; within the realm of Basic and Applied Hydraulic and seminars Environmental Engineering; within the realm of Environmental Engineering, Environmental Planning, and Eco-system Engineering (a-2) Structural Mechanics; Statically Determinate, Non-statically Determinate, Elasticity, and Elasto-Plasticity Geotechnical Engineering; Basic and Applied Geotechnical Engineering Construction Material Engineering; within the realm of Construction Material Engineering and seminars (b) Operations Research; within the realm of Operations Research I and II Network Engineering; within the realm of Information Network, and Distributed Information System Software Engineering; within the realm of Software Engineering and Object-oriented Programming Applied Mathematics; within the realm of Infinitesimal Calculus I and II, Linear Algebra I and II, Analysis I, and Probabilistic Model Analysis *Submit your selecting subjects on application.	200	
		Foreign language	No written examination. Scores of TOEIC or TOEFL test will be converted	100	
		Oral Examination		100	
	Chemical, Energy and Environmental Engineering	Specialized subject	Short essay on Physical Chemistry and Chemical Engineering (answer in Japanese or English) Note: The University will lend you a scientific calculator	200	
		Foreign language	English	100	
		Oral Examination		100	
	Chemistry, Materials and Bioengineering Major	Chemistry and Materials Engineering	Specialized subject	Short essay on Physical Chemistry and Chemical Engineering	200
			Foreign language	English	100
			Oral Examination		100
Life Science and Biotechnology		Specialized subject	Select 1 from the following subjects. Biochemistry, Molecular Biology, Microbiology, Organic Chemistry, Food and Nutritional Science *Submit your selecting subjects on application.	200	
		Foreign language	English	100	
		Oral Examination		100	

Academic Year 2020 Master's Degree Program Research fields and Teachers in charge

Discipline	Research field	Teachers list				
<b>Engineering Science Major</b>						
Mathematics	Cohomological Aspects in Mathematics	Professor	Ph.D.	KUSUDA, Masaharu		
		Professor	Ph.D.	FUJIOKA, Atsushi		
		Professor	Ph.D.	MURABAYASHI, Naoki		
		Professor	Ph.D.	YANAGAWA, Kohji		
		Associate Professor	Ph.D.	WAKUI, Michihisa		
	Probability and Statistics	Professor	Ph.D.	UEMURA, Toshihiro		
		Professor	Ph.D.	TAKEDA, Masayoshi		
		Professor	Ph.D.	NAGAI, Hideo		
Associate Professor		Ph.D.	YAMAZAKI, Kazutoshi			
Pure and Applied Physics	Physics	Professor	Ph.D.	ITANO, Tomoaki		
		Professor	Ph.D.	ITOH, Hiroyoshi		
		Professor	Ph.D.	ITO, Makoto		
		Professor	Ph.D.	SUGIHARA-SEKI, Masako		
		Professor	Ph.D.	WADA, Takahiro		
		Associate Professor	Ph.D.	HONDA, Syuta		
	Applied Physics	Professor	Ph.D.	ASAKAWA, Makoto		
		Professor	Ph.D.	INADA, Mitsuru		
		Professor	Ph.D.	YAMAMOTO, Ken		
		Associate Professor	Ph.D.	YAMAGUCHI, Soichiro		
		Mechanical Engineering	Nanophysics and Nanomaterials Engineering	Professor	Ph.D.	ITO, Takeshi
				Professor	Ph.D.	SINGUBARA, Shoso
Associate Professor	Ph.D.			SHIMIZU, Tomohiro		
Fluid Engineering and Biomechanics	Professor		Ph.D.	BANDO, Kiyoshi		
	Professor		Ph.D.	YAMAMOTO, Yasufumi		
	Associate Professor		Ph.D.	TAJIKAWA, Tsutomu		
Materials Engineering	Professor		Ph.D.	SAITOH, Ken-ichi		
	Professor		Ph.D.	TAKUMA, Masanori		
	Associate Professor		Ph.D.	SATO, Tomohiro		
Tribology and Micromechatronics for Information Equipment	Associate Professor		Ph.D.	TAKAHASHI, Yoshimasa		
	Professor		Ph.D.	KOGANEZAWA, Shinji		
	Professor		Ph.D.	TAGAWA, Norio		
	Professor		Ph.D.	TANI, Hiroshi		
Thermal Engineering	Associate Professor		Ph.D.	LU, Renguo		
	Professor		Ph.D.	UMEKAWA, Hisashi		
	Professor		Ph.D.	MATSUMOTO, Ryosuke		
	Associate Professor		Ph.D.	AMI, Takeyuki		
Manufacturing Systems	Associate Professor		Ph.D.	ODA, Yutaka		
	Professor		Ph.D.	YAMAGUCHI, Tomomi		
	Associate Professor		Ph.D.	HIROOKA, Daisuke		
Mechanical Dynamics and Control Engineering	Associate Professor	Ph.D.	FURUSHIRO, Naomichi			
	Professor	Ph.D.	UTSUNO, Hideo			
	Associate Professor	Ph.D.	YAMADA, Keisuke			
Measurement Systems	Associate Professor	Ph.D.	KURATA, Junichi			
	Professor	Ph.D.	ARAI, Yasuhiko			
	Professor	Ph.D.	TAKATA, Keiji			
Robot and Microsystems	Professor	Ph.D.	MAE, Yasushi			
	Professor	Ph.D.	AOYAGI, Seiji			
	Associate Professor	Ph.D.	SUZUKI, Masato			
Ergonomics and Biomedical Engineering	Associate Professor	Ph.D.	TAKAHASHI, Tomokazu			
	Professor	Ph.D.	KOTANI, Kentaro			
		Associate Professor	Ph.D.	SUZUKI, Satoshi		

Discipline	Research field	Teachers list		
Eiectrical, Electronic and Information Engineering	Eiectrical Engineering	Professor	Ph.D.	OHASHI, Shunsuke
		Professor	Ph.D.	HAMADA, Shoji
		Professor	Ph.D.	YAMAMOTO, Yasushi
		Associate Professor	Ph.D.	YONETSU, Daigo
	Materials and Devices for Electronics and Optics	Professor	Ph.D.	KITAMURA, Toshiaki
		Professor	Ph.D.	TAJITSU, Yoshiro
		Associate Professor	Ph.D.	SAIKI, Taku
		Associate Professor	Ph.D.	SATO, Shingo
		Associate Professor	Ph.D.	NAKAMURA, Kazuhiro
	Information and Communication Engineering	Professor	Ph.D.	YAMAMOTO, Miki
		Professor	Ph.D.	YOMO, Hiroyuki
		Associate Professor	Ph.D.	HIRATA, Koji
		Associate Professor	Ph.D.	WADA, Tomotaka
	System Informatics	Professor	Ph.D.	HIKAWA, Hiroomi
		Professor	Ph.D.	MAEDA, Yutaka
		Professor	Ph.D.	MIYOSHI, Seiji
		Associate Professor	Ph.D.	ITO, Hidetaka
	Media Processing	Professor	Ph.D.	KAJIKAWA, Yoshinobu
		Professor	Ph.D.	MATSUSHIMA, Kyoji
		Professor	Ph.D.	MUNEYASU, Mitsuji
	Intelligent Software Engineering	Professor	Ph.D.	EBARA, Hiroyuki
Professor		Ph.D.	TOKUMARU, Masataka	
Associate Professor		Ph.D.	KOJIRI, Tomoko	
Associate Professor		Ph.D.	HANADA, Yoshiko	
<b>Environmental and Urban Engineering Major</b>				
Architecture	Structural Engineering	Professor	Ph.D.	ITO, Atsushi
		Professor	Ph.D.	NISHIZAWA, Hidekazu
		Professor	Ph.D.	MASUI, Takeshi
		Professor	Ph.D.	MATSUDA, Satoshi
		Associate Professor	Ph.D.	IKENAGA, Masahiro
	Architectural Design and Planning	Professor		EGAWA, Naoki
		Professor	Ph.D.	OKAGE, Yoshifumi
		Professor	Ph.D.	OKA, Eriko
		Professor	Ph.D.	KAMETANI, Yoshihiro
		Professor	Ph.D.	KINOSHITA, Hikaru
		Professor	Ph.D.	FUJITA, Masaya
	Environmental Engineering in Architecture	Associate Professor	Ph.D.	HASHITERA, Tomoko
		Professor	Ph.D.	KAWAI, Yasuhito
		Professor	Ph.D.	HARA, Naoya
	Civil, Environmental and Applied Systems Engineering	Environmental Engineering	Associate Professor	Ph.D.
Professor			Ph.D.	ISHIGAKI, Taisuke
Professor			Ph.D.	KUSUMI, Harushige
Associate Professor			Ph.D.	OZAKI, Taira
Associate Professor			Ph.D.	TOBITA, Tetsuo
Associate Professor			Ph.D.	HAYASHI, Michiko
Design and Construction		Associate Professor	Ph.D.	YASUDA, Tomohiro
		Professor	Ph.D.	SAKANO, Masahiro
		Professor	Ph.D.	TSURUTA, Hiroaki
		Associate Professor	Ph.D.	ISHIKAWA, Toshiyuki
Planning and Management		Associate Professor	Ph.D.	UEDA, Naoshi
		Professor	Ph.D.	AKIYAMA, Takamasa
		Professor	Ph.D.	KITAZUME, Keiichi
		Professor	Ph.D.	YUN, Yeboon
			Associate Professor	Ph.D.

Discipline	Research field	Teachers list				
Civil, Environmental and Applied Systems Engineering	Applied Systems Engineering	Professor	Ph.D.	KANEKIYO, Hiroaki		
		Professor	Ph.D.	KUBOTA, Satoshi		
		Professor	Ph.D.	TAKIZAWA, Yasuhisa		
		Professor	Ph.D.	YASUMURO, Yoshihiro		
		Associate Professor	Ph.D.	ADACHI, Naotoshi		
		Associate Professor	Ph.D.	DAN, Hiroshige		
Architecture / Civil, Environmental and Applied Systems Engineering	Regional Renaissance	Professor	Ph.D.	ISHIGAKI, Taisuke		
		Professor		EGAWA, Naoki		
		Professor	Ph.D.	OKA, Eriko		
		Professor	Ph.D.	KITAZUME, Keiichi		
		Professor	Ph.D.	KINOSHITA, Hikaru		
		Professor	Ph.D.	KUSUMI, Harushige		
		Professor	Ph.D.	SAKANO, Masahiro		
		Professor	Ph.D.	NISHIZAWA, Hidekazu		
Chemical, Energy and Environmental Engineering	Energy Engineering	Professor	Ph.D.	IKENAGA, Naoki		
		Professor	Ph.D.	NAKAGAWA, Kiyoharu		
		Professor	Ph.D.	MIYAKE, Takanori		
		Professor	Ph.D.	MURAYAMA, Norihiro		
		Associate Professor	Ph.D.	SANO, Makoto		
	Environmental Chemistry	Professor	Ph.D.	OKADA, Yoshiki		
		Professor	Ph.D.	TANAKA, Shunsuke		
		Professor	Ph.D.	HAYASHI, Jun'ichi		
		Professor	Ph.D.	YAMAMOTO, Hideki		
		Associate Professor	Ph.D.	ARAKI, Sadao		
		Associate Professor	Ph.D.	KINOSHITA, Takuya		
		Associate Professor	Ph.D.	HASEGAWA, Isao		
		<b>Chemistry, Materials and Bioengineering Major</b>				
		Chemistry and Materials Engineering	Metallic Materials Design	Professor	Ph.D.	IKEDA, Masahiko
Professor	Ph.D.			UEDA, Masato		
Metallic Materials Processing	Professor		Ph.D.	TAKENAKA, Toshihide		
	Professor		Ph.D.	NISHIMOTO, Akio		
	Professor		Ph.D.	HOSHIYAMA, Yasuhiro		
	Professor		Ph.D.	MARUYAMA, Toru		
	Associate Professor		Ph.D.	MORISHIGE, Daiki		
Metallic and Inorganic Materials Properties	Professor		Ph.D.	ARACHI, Yoshinori		
	Professor		Ph.D.	KOZUKA, Hiromitsu		
	Professor		Ph.D.	TAKESHITA, Hiroyuki T.		
	Professor		Ph.D.	HARUNA, Takumi		
	Associate Professor		Ph.D.	UCHIYAMA, Hiroaki		
Inorganic and Physical Chemistry	Associate Professor		Ph.D.	KONDO, Ryota		
	Professor		Ph.D.	AOTA, Hiroyuki		
	Professor		Ph.D.	ISHIKAWA, Masashi		
	Professor		Ph.D.	KAWASAKI, Hideya		
Organic Chemistry	Associate Professor		Ph.D.	YAMAGATA, Masaki		
	Professor		Ph.D.	OBORA, Yasushi		
	Professor		Ph.D.	SAKAGUCHI, Satoshi		
	Professor		Ph.D.	NISHIYAMA, Yutaka		
	Associate Professor		Ph.D.	UMEDA, Rui		
Polymer Chemistry	Associate Professor		Ph.D.	YANO, Masafumi		
	Professor		Ph.D.	KUDO, Hiroto		
	Professor		Ph.D.	SANDA, Fumio		
	Professor		Ph.D.	HARADA, Miyuki		



Discipline	Research field	Teachers list		
Chemistry and Materials Engineering	Biomaterials Chemistry	Professor	Ph.D.	IWASAKI, Yasuhiko
		Professor	Ph.D.	OHYA, Yuichi
		Professor	Ph.D.	TAMURA, Hiroshi
		Professor	Ph.D.	HIRANO, Yoshiaki
		Professor	Ph.D.	FURUIKE, Tetsuya
		Professor	Ph.D.	MIYATA, Takashi
		Associate Professor	Ph.D.	KAKINOKI, Sachiro
		Associate Professor	Ph.D.	KAWAMURA, Akifumi
	Biofunctional Molecular Chemistry	Professor	Ph.D.	KUZUYA, Akinori
		Professor	Ph.D.	YAJIMA, Tatsuo
Associate Professor		Ph.D.	NAKAI, Misaki	
Life Science and Biotechnology	Life and Pharmaceutical Science	Professor	Ph.D.	OIKAWA, Tadao
		Professor	Ph.D.	SHIMOKE, Koji
		Professor	Ph.D.	NAGAOKA, Yasuo
		Associate Professor	Ph.D.	SUMIYOSHI, Takaaki
		Associate Professor	Ph.D.	YASUHARA, Hiroki
		Associate Professor	Ph.D.	YAMANAKA, Kazuya
	Microbiology and Environmental Science	Professor	Ph.D.	IWAKI, Hiroaki
		Professor	Ph.D.	KATAKURA, Yoshio
		Professor	Ph.D.	HASEGAWA, Yoshie
		Professor	Ph.D.	MATSUMURA, Yoshinobu
		Associate Professor	Ph.D.	YAMASAKI, Shino
	Food and Nutrition Science	Professor	Ph.D.	KAWAHARA, Hidehisa
		Professor	Ph.D.	FUKUNAGA, Kenji
		Professor	Ph.D.	YOSHIDA, Munehiro
		Associate Professor	Ph.D.	HOSOMI, Ryota

※This list is from academic year 2019 and may be changed.  
Please check here, URL:[http://www.kansai-u.ac.jp/Gr\\_sch/](http://www.kansai-u.ac.jp/Gr_sch/)

## D. Entrance examination for international students (Ph.D. Degree Program) (Spring Enrollment: October and February applications/Autumn Enrollment: July application)

### 1. Qualification

Applicants shall satisfy one of the following (1)~(5) conditions:

(including applicants who are expected to satisfy one of the following (1)~(3) conditions before enrolling at the Graduate School)

- (1) Applicants who have received a master's or professional degree at the graduate schools outside Japan.
- (2) Applicants who have received a master's or professional degree from Japanese graduate schools as international students.
- (3) Applicants who have completed programs and received degrees equivalent to a master's degrees from the United Nations University\*.

\*United Nations University; established by the resolution of the General Assembly of the United Nations on December 11, 1972, as stipulated in Article 1 Paragraph 2 of the Act on Special Measures incidental to Enforcement of the Agreement between the United Nations and Japan regarding the Headquarters of the United Nations University.

- (4) Applicants designated by the minister of MEXT<sup>†</sup>. (Bulletin No. 118 of 1989)  
<sup>†</sup> MEXT; Japanese Ministry of Education, Culture, Sports, Science and Technology
- (5) Applicants who are recognized as having degrees equivalent or superior or a master's degree by our graduate school and have reached the age of 24 (before enrolling at Graduate School). This requirement shall not apply to the foreigners who are recognized as having received Japanese regular school education program.

#### **[IMPORTANT]** Notes regarding Qualification Screening for Entrance Examination

1. Subjects: Applicants under condition (4) or (5)
2. Application procedures and deadline: Refer to 'II To be recognized before application' (in the separate file "Common Items of all Graduate Schools" p.3).

**[Important]** Before submitting your application, contact the faculty member of the research field you are interested in, referring to the information in "Graduate School Information 2020" or the Graduate School of Science and Engineering website. Fill in the date you contacted the faculty member and name of the faculty member in the appropriate space on the statement of reason for applying. (Excluding students currently in the Graduate School of Science and Engineering at Kansai University.)

## 2. Application documents

After you have paid the application fee of ¥35,000, submit the documents listed below.

Review “Cautionary note concerning” published in the separate file “Common Items of all Graduate Schools” on page 10-11, and carefully check your application documents for errors before submitting them.

Please clearly note the document number at the bottom right of each application document based on ‘the application document list (Check List)’. Please submit Check List as well as the application documents.

Document to be submitted (document number)	Remarks
<b>Documents to be submitted by all applicants</b>	
Application form (for submission) (1)	Print out and submit after finalizing your online application.
Statement of reason for applying in Japanese or English (2)	Use the form designated by the University. This should be hand-written by the applicant.
Original transcript from previously attended graduate school or, a notarized document certifying courses and grades (3)	Submit original transcripts or transcripts that have been notarized by an embassy or other public institutions.
Original certificate of (expected) graduation from previously attended graduate school, or a notarized document certifying (expected) graduation (4)	This document does not need to be submitted if your transcript indicates or certifies that you have graduated, or that you expect to graduate. Submit an original certificate of (expected) graduation, or a certificate of (expected) graduation that has been notarized by an embassy or other public institutions.
Research plan in Japanese or English (5)	About 2,000 words in length on a computer using A4-size paper (horizontal text with 40 words per row and 40 rows per page). Submit one original and three copies.
Copy of resident card or passport (14)	For a resident card, submit a copy showing both sides. For a passport, submit a copy of pages showing your name, date of birth, photograph, expiration date, residence status, and the most recent period of stay.
Two photographs	Affix a photograph taken within the last three months to the application form (for submission) and to the statement of reason for applying. (The photograph affixed to your application form will be used on the student ID issued after enrollment, should you be admitted.)
<b>Applicants who are eligible under exam qualification (1) to (3) above and have already submitted a master's thesis</b>	
Outline of master's thesis in Japanese or English (6)	About 2,000 words in length on a computer using A4-size paper (horizontal text with 40 words per row and 40 rows per page). Submit one original and three copies.
Copy of master's thesis in Japanese or English (7)	4 copies
<b>Applicants who are eligible under exam qualification (1) to (3) above and expect to submit a master's thesis</b>	
Research results (9)	4 reprints or copies each of academic articles, conference presentations, research reports and any other research papers

Submit your transcript or certificate of (expected) graduation on which both of the entrance and (expected) graduation dates are listed.

## 3. Screening method

The Graduate School will determine whether or not to admit applicants based on a comprehensive evaluation of document screening and oral examination.

#### 4. Examination Components

Written Examination	Oral Examination
None	You will be notified of the start time for your oral examination on your entrance examination admission slip.

Academic Year 2020 Ph.D. Degree Program Research fields and Teachers in charge

Discipline	Research field	Teachers list				
<b>Integrated Science and Engineering Major</b>						
Mathematics	Cohomological Aspects in Mathematics	Professor	Ph.D.	KUSUDA, Masaharu		
		Professor	Ph.D.	TAKEGOSHI, Kensho		
		Professor	Ph.D.	FUJIOKA, Atsushi		
		Professor	Ph.D.	MURABAYASHI, Naoki		
		Professor	Ph.D.	YANAGAWA, Kohji		
		Associate Professor	Ph.D.	WAKUI, Michihisa		
	Probability and Statistics	Professor	Ph.D.	UEMURA, Toshihiro		
		Professor	Ph.D.	TAKEDA, Masayoshi		
Professor		Ph.D.	NAGAI, Hideo			
Associate Professor		Ph.D.	YAMAZAKI, Kazutoshi			
Pure and Applied Physics	Physics	Professor	Ph.D.	ITANO, Tomoaki		
		Professor	Ph.D.	ITOH, Hiroyoshi		
		Professor	Ph.D.	ITO, Makoto		
		Professor	Ph.D.	SUGIMOTO, Nobumasa		
		Professor	Ph.D.	SUGIHARA-SEKI, Masako		
		Professor	Ph.D.	WADA, Takahiro		
		Associate Professor	Ph.D.	HONDA, Syuta		
	Applied Physics	Professor	Ph.D.	ASAKAWA, Makoto		
		Professor	Ph.D.	INADA, Mitsuru		
		Professor	Ph.D.	YAMAMOTO, Ken		
		Associate Professor	Ph.D.	YAMAGUCHI, Soichiro		
		Mechanical Engineering	Nanophysics and Nanomaterials Engineering	Professor	Ph.D.	ITO, Takeshi
				Professor	Ph.D.	SINGUBARA, Shoso
				Associate Professor	Ph.D.	SHIMIZU, Tomohiro
Fluid Engineering and Biomechanics	Professor		Ph.D.	BANDO, Kiyoshi		
	Professor		Ph.D.	YAMAMOTO, Yasufumi		
	Associate Professor		Ph.D.	TAJIKAWA, Tsutomu		
Materials Engineering	Professor		Ph.D.	SAITOH, Ken-ichi		
	Professor		Ph.D.	TAKUMA, Masanori		
	Associate Professor		Ph.D.	SATO, Tomohiro		
	Associate Professor		Ph.D.	TAKAHASHI, Yoshimasa		
Tribology and Micromechatronics for Information Equipment	Professor	Ph.D.	KOGANEZAWA, Shinji			
	Professor	Ph.D.	TAGAWA, Norio			
	Professor	Ph.D.	TANI, Hiroshi			
	Associate Professor	Ph.D.	LU, Renguo			
Thermal Engineering	Professor	Ph.D.	UMEKAWA, Hisashi			
	Professor	Ph.D.	MATSUMOTO, Ryosuke			
	Associate Professor	Ph.D.	AMI, Takeyuki			
	Associate Professor	Ph.D.	ODA, Yutaka			
Manufacturing Systems	Professor	Ph.D.	YAMAGUCHI, Tomomi			
	Associate Professor	Ph.D.	HIROOKA, Daisuke			
Mechanical Dynamics and Control Engineering	Associate Professor	Ph.D.	FURUSHIRO, Naomichi			
	Professor	Ph.D.	UTSUNO, Hideo			
Measurement Systems	Associate Professor	Ph.D.	YAMADA, Keisuke			
	Professor	Ph.D.	ARAI, Yasuhiko			
	Professor	Ph.D.	TAKATA, Keiji			
Robot and Microsystems	Professor	Ph.D.	MAE, Yasushi			
	Professor	Ph.D.	AOYAGI, Seiji			
	Associate Professor	Ph.D.	SUZUKI, Masato			
Ergonomics and Biomedical Engineering	Associate Professor	Ph.D.	TAKAHASHI, Tomokazu			
	Professor	Ph.D.	KOTANI, Kentaro			
		Associate Professor	Ph.D.	SUZUKI, Satoshi		

Discipline	Research field	Teachers list		
Electrical, Electronic and Information Engineering	Electrical Engineering	Professor	Ph.D.	OHASHI, Shunsuke
		Professor	Ph.D.	HAMADA, Shoji
		Professor	Ph.D.	YAMAMOTO, Yasushi
		Associate Professor	Ph.D.	YONETSU, Daigo
	Materials and Devices for Electronics and Optics	Professor	Ph.D.	KITAMURA, Toshiaki
		Professor	Ph.D.	TAJITSU, Yoshiro
		Associate Professor	Ph.D.	SAIKI, Taku
		Associate Professor	Ph.D.	SATO, Shingo
		Associate Professor	Ph.D.	NAKAMURA, Kazuhiro
	Information and Communication Engineering	Professor	Ph.D.	YAMAMOTO, Miki
		Professor	Ph.D.	YOMO, Hiroyuki
		Associate Professor	Ph.D.	HIRATA, Koji
		Associate Professor	Ph.D.	WADA, Tomotaka
	System Informatics	Professor	Ph.D.	HIKAWA, Hiroomi
		Professor	Ph.D.	MAEDA, Yutaka
		Professor	Ph.D.	MIYOSHI, Seiji
	Media Processing	Professor	Ph.D.	KAJIKAWA, Yoshinobu
		Professor	Ph.D.	MATSUSHIMA, Kyoji
Professor		Ph.D.	MUNEYASU, Mitsuji	
Intelligent Software Engineering	Professor	Ph.D.	EBARA, Hiroyuki	
	Professor	Ph.D.	TOKUMARU, Masataka	
	Associate Professor	Ph.D.	KOJIRI, Tomoko	
	Associate Professor	Ph.D.	HANADA, Yoshiko	
Architecture	Structural Engineering	Professor	Ph.D.	ITO, Atsushi
		Professor	Ph.D.	NISHIZAWA, Hidekazu
		Professor	Ph.D.	MASUI, Takeshi
		Professor	Ph.D.	MATSUDA, Satoshi
		Associate Professor	Ph.D.	IKENAGA, Masahiro
	Architectural Design and Planning	Professor		EGAWA, Naoki
		Professor	Ph.D.	OKAGE, Yoshifumi
		Professor	Ph.D.	OKA, Eriko
		Professor	Ph.D.	KAMETANI, Yoshihiro
		Professor	Ph.D.	KINOSHITA, Hikaru
		Professor	Ph.D.	FUJITA, Masaya
	Environmental Engineering in Architecture	Professor	Ph.D.	KAWAI, Yasuhito
Professor		Ph.D.	HARA, Naoya	
Associate Professor		Ph.D.	TOYODA, Masahiro	
Civil, Environmental and Applied Systems Engineering	Environmental Engineering	Professor	Ph.D.	ISHIGAKI, Taisuke
		Professor	Ph.D.	KUSUMI, Harushige
		Associate Professor	Ph.D.	OZAKI, Taira
		Associate Professor	Ph.D.	TOBITA, Tetsuo
		Associate Professor	Ph.D.	HAYASHI, Michiko
		Associate Professor	Ph.D.	YASUDA, Tomohiro
	Design and Construction	Professor	Ph.D.	SAKANO, Masahiro
		Professor	Ph.D.	TSURUTA, Hiroaki
		Associate Professor	Ph.D.	ISHIKAWA, Toshiyuki
		Associate Professor	Ph.D.	UEDA, Naoshi
	Planning and Management	Professor	Ph.D.	AKIYAMA, Takamasa
		Professor	Ph.D.	KITAZUME, Keiichi
		Professor	Ph.D.	YUN, Yeboon
		Associate Professor	Ph.D.	INOKUCHI, Hiroaki

Discipline	Research field	Teachers list		
Civil, Environmental and Applied System Engineering	Applied Systems Engineering	Professor	Ph.D.	KANEKIYO, Hiroaki
		Professor	Ph.D.	KUBOTA, Satoshi
		Professor	Ph.D.	TAKIZAWA, Yasuhisa
		Professor	Ph.D.	YASUMURO, Yoshihiro
		Associate Professor	Ph.D.	ADACHI, Naotoshi
		Associate Professor	Ph.D.	DAN, Hiroshige
Architecture / Civil, Environmental and Applied Systems Engineering	Regional Renaissance	Professor	Ph.D.	ISHIGAKI, Taisuke
		Professor		EGAWA, Naoki
		Professor	Ph.D.	OKA, Eriko
		Professor	Ph.D.	KITAZUME, Keiichi
		Professor	Ph.D.	KINOSHITA, Hikaru
		Professor	Ph.D.	KUSUMI, Harushige
		Professor	Ph.D.	SAKANO, Masahiro
		Professor	Ph.D.	NISHIZAWA, Hidekazu
Chemical, Energy and Environmental Engineering	Energy Engineering	Professor	Ph.D.	IKENAGA, Naoki
		Professor	Ph.D.	NAKAGAWA, Kiyoharu
		Professor	Ph.D.	MIYAKE, Takanori
		Professor	Ph.D.	MURAYAMA, Norihiro
		Associate Professor	Ph.D.	SANO, Makoto
	Environmental Chemistry	Professor	Ph.D.	OKADA, Yoshiaki
		Professor	Ph.D.	TANAKA, Shunsuke
		Professor	Ph.D.	HAYASHI, Jun'ichi
		Professor	Ph.D.	YAMAMOTO, Hideki
		Associate Professor	Ph.D.	ARAKI, Sadao
		Associate Professor	Ph.D.	KINOSHITA, Takuya
		Associate Professor	Ph.D.	HASEGAWA, Isao
Chemistry and Materials Engineering	Metallic Materials Design	Professor	Ph.D.	IKEDA, Masahiko
		Professor	Ph.D.	UEDA, Masato
	Metallic Materials Processing	Professor	Ph.D.	TAKENAKA, Toshihide
		Professor	Ph.D.	NISHIMOTO, Akio
		Professor	Ph.D.	HOSHIYAMA, Yasuhiro
		Professor	Ph.D.	MARUYAMA, Toru
		Associate Professor	Ph.D.	MORISHIGE, Daiki
	Metallic and Inorganic Materials Properties	Professor	Ph.D.	ARACHI, Yoshinori
		Professor	Ph.D.	KOZUKA, Hiromitsu
		Professor	Ph.D.	TAKESHITA, Hiroyuki T.
		Professor	Ph.D.	HARUNA, Takumi
		Associate Professor	Ph.D.	UCHIYAMA, Hiroaki
	Inorganic and Physical Chemistry	Associate Professor	Ph.D.	KONDO, Ryota
		Professor	Ph.D.	AOTA, Hiroyuki
		Professor	Ph.D.	SHIKAWA, Masashi
		Professor	Ph.D.	KAWASAKI, Hideya
	Organic Chemistry	Associate Professor	Ph.D.	YAMAGATA, Masaki
		Professor	Ph.D.	OBORA, Yasushi
		Professor	Ph.D.	SAKAGUCHI, Satoshi
		Professor	Ph.D.	TANAKA, Koichi
		Professor	Ph.D.	NISHIYAMA, Yutaka
		Associate Professor	Ph.D.	UMEDA, Rui
	Polymer Chemistry	Associate Professor	Ph.D.	YANO, Masafumi
		Professor	Ph.D.	KUDO, Hiroto
Professor		Ph.D.	SANDA, Fumio	
		Professor	Ph.D.	HARADA, Miyuki

Discipline	Research field	Teachers list		
Chemistry and Materials Engineering	Biomaterials Chemistry	Professor	Ph.D.	IWASAKI, Yasuhiko
		Professor	Ph.D.	OHYA, Yuichi
		Professor	Ph.D.	KUZUYA, Akinori
		Professor	Ph.D.	TAMURA, Hiroshi
		Professor	Ph.D.	HIRANO, Yoshiaki
		Professor	Ph.D.	FURUIKE, Tetsuya
		Professor	Ph.D.	MIYATA, Takashi
		Associate Professor	Ph.D.	KAKINOKI, Sachiro
		Associate Professor	Ph.D.	KAWAMURA, Akifumi
	Biofunctional Molecular Chemisry	Professor	Ph.D.	NAKABAYASHI, Yasuo
Professor		Ph.D.	YAJIMA, Tatsuo	
Associate Professor		Ph.D.	NAKAI, Misaki	
Life Sience and Biotechnology	Life and Pharmaceutical Science	Professor	Ph.D.	OIKAWA, Tadao
		Professor	Ph.D.	SHIMOKE, Koji
		Professor	Ph.D.	NAGAOKA, Yasuo
		Associate Professor	Ph.D.	SUMIYOSHI, Takaaki
		Associate Professor	Ph.D.	YASUHARA, Hiroki
		Associate Professor	Ph.D.	YAMANAKA, Kazuya
	Microbiology and Environmental Science	Professor	Ph.D.	IWAKI, Hiroaki
		Professor	Ph.D.	KATAKURA, Yoshio
		Professor	Ph.D.	HASEGAWA, Yoshie
		Professor	Ph.D.	MATSUMURA, Yoshinobu
		Associate Professor	Ph.D.	YAMASAKI, Shino
	Food and Nutrition Science	Professor	Ph.D.	KAWAHARA, Hidehisa
		Professor	Ph.D.	FUKUNAGA, Kenji
		Professor	Ph.D.	YOSHIDA, Munehiro
		Associate Professor	Ph.D.	HOSOMI, Ryota

※This list is from academic year 2019 and may be changed.

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