International Graduate Program for Interdisciplinary Study in Science and Technology

Admissions Information and Application 2016 Academic Year

Graduate School of Science and Technology
Kyoto Institute of Technology
Welcome to KIT

One hundred years has passed since Kyoto Institute of Technology (KIT) was first established as Kyoto College of Technology and Kyoto College of Textile Fibers. Located in Kyoto, Japan’s former capital which remains a bastion of traditional culture, KIT has established a unique academic culture combining wisdom, a highly developed aesthetic sense and technology. Our alumni and alumnae make valuable academic, artistic, cultural and industrial contributions to manufacturing, commerce, research and academia. KIT is responding to the duties of independent and autonomous university management as stipulated by the National University Corporation system.

Basic Stance

Within this framework, we aspire to:
* create a harmonious bridge between mankind and nature through a deep understanding of our interdependence with other living creatures and the environment that surrounds us.
* blend knowledge and beauty while recognizing that the interaction between sensitivity and knowledge forms the basis of new activities.
* develop humane and highly ethical technology while maintaining an awareness of the need for technology that promotes social welfare and peace beyond the superficial level.

Research

We promote an academic community, which aspires to the fusion of science and art, a KIT priority since our inception in 1899. The creative thinking of our researchers, promotes the development of academic wisdom and art, which will bridge the present and the future.

Education

While deeply respecting the thousand-year old culture of Kyoto, and with piercing insight into the state of the ever changing world, we at KIT foster vibrantly international people who are versed in environmentally harmonious science and technology.

Social Contributions

The KIT community applies its excellent intellectual and human resources to maintaining regional cultural traditions and developing future industries. By making the fruits of our labor available throughout the world, we contribute to the exchange of academic ideas at the global level.

Management

At KIT, while overseeing the effective and appropriate placement of resources and maintaining high transparency, we make timely decisions, and take bold and flexible action in achieving our mission.

(The official version of this statement is the Japanese original.)

KIT in Brief

KIT in Japanese: 京都工芸繊維大学
(Kyoto Kogei Sen-i Daigaku – known as “Ko-sen-dai”)

- Approximately 2,800 undergraduate (26% women), 1,200 graduate students (27% women) and 300 faculty have welcomed international students for over 50 years.
- Approximately 190 students are currently with us from nearly 25 countries around the world.

11 undergraduate programs, 14 master’s programs and 8 doctoral programs are available.

Location

Located in the northeast quadrant of Kyoto, the KIT campus is a quick 20 minute subway ride to the city center and transportation hubs. The campus is one block south of tree-lined Kitayama Street and a five-minute walk from Takano River.
Features
Customized English Language Instruction:
All 14 master’s programs and 8 doctoral programs in the Graduate School of Science and Technology are open to IGP students. All classes and research instruction are conducted in English. Each student's supervisor in his/her home institution is also involved in the program as one of his/her academic advisors. This makes it possible to establish a customized educational system appropriate to the educational background, needs and career path of each student.

Student Career and Leadership Development:
The IGP curriculum includes instruction in effective management and administrative approaches. Invaluable experience is gained through work in the Teaching Assistant (TA) program for master’s students and Research Assistant (RA) positions available to the doctoral students. These provide opportunities to experience international education and research from stations of responsibility.

Cross-cultural Training and Accelerated Exposure to Japanese Students:
IGP students enjoy numerous opportunities to exchange ideas with and study with Japanese students through the following schemes:
- The TA and RA programs provide IGP students with an opportunity to interact with Japanese undergraduate and graduate students in the classroom and in the lab.
- Our course in cross-cultural literacy “Seeking Wisdom and Beauty in Kyoto” is strongly recommended to IGP students. Knowledge of the history, culture and technology of Japanese manufacturing and experience beyond the academic specialization is acquired from Japanese students in various majors.
- IGP tutors (Japanese graduate students in the same major) support IGP students in academics and beyond.

Courses
A. Combined FOUR-year Master’s/Doctoral Course
Standard course duration: four years
IGP study in the four-year course is divided into two stages. After successful completion of the first two-year stage of the program, a master's degree will be conferred; and after successful completion of the second stage of the program, a doctoral degree will be conferred. However, in the event a student does not successfully complete either course due to failing the final evaluation, an extension may be granted.

B. TWO-year Master’s Course
Standard course duration: two years
After successful completion of the two-year program, a master's degree will be conferred. However, in the event a student does not successfully complete the course, an extension may be granted.

C. THREE-year Doctoral Course
Standard course duration: three years
After successful completion of the three-year program, a doctoral degree will be conferred. However, in the event a student does not successfully complete the course, an extension may be granted.

Minimum Degree Requirements
Master's Degree: The satisfactory completion of 30 or more coursework credit hours, the research work for and completion of a master's thesis (research results addressing a specific topic in certain programs) under the supervision of a professor in the student's program, and a final exam are required. Successful completion of special seminars, laboratory work and a master's thesis is compulsory.

Doctoral Degree: The satisfactory completion of 16 or more coursework credit hours, the research work for and completion of a doctoral dissertation under the supervision of a professor in the student's program, and a final exam are required. Successful completion of special seminars and a doctoral dissertation is compulsory.

Academic Calendar 2016
The academic year starts September 28, 2016 ends late September 2017 and is divided into two semesters:
Entrance Ceremony: on September 27
Fall Semester: from September 28 to March 31
Spring Semester: from April 1 to late September
Sub Program of IGP:
Human Resource Development Program for Novel Material Industry (HDMI)

Features
What is HDMI:
HDMI, a sub-program of the KIT International Graduate Program (IGP), is a curriculum course which produces entrepreneurs and instructors who are specialists in the development and promotion of new businesses in the materials industry. Nine master's and four doctoral courses in KIT Graduate School of Science and Technology, from applied chemistry and biotechnology to mechanical and information engineering, accept HDMI students. All classes are conducted in English.

Student Career and Leadership Development:
The HDMI curriculum includes instruction in effective management and administrative approaches. All students are required to complete one industry related and one Japanese-culture related course. In addition, invaluable experience is gained through work in the Teaching Assistant (TA) program for master's students and Research Assistant (RA) positions available to the doctoral students. These provide opportunities to experience international education and research from stations of responsibility.

Cross-cultural Training and Accelerated Exposure to Japanese Students:
HDMI students enjoy numerous opportunities to exchange ideas with and study with Japanese students through the following schemes:
- The TA and RA programs provide HDMI students with an opportunity to interact with Japanese undergraduate and graduate students in the classroom and in the lab.
- Our course in cross-cultural literacy “Seeking Wisdom and Beauty in Kyoto” is strongly recommended to HDMI students. Knowledge of the history, culture and technology of Japanese manufacturing and experience beyond the academic specialization is acquired from Japanese students in various majors.
- HDMI tutors (Japanese graduate students in the same major) support HDMI students in academics and beyond.

Academic Calendar 2016
The academic year starts September 28, 2016 ends late September, 2017 and is divided into two semesters:

Entrance Ceremony: on September 27
Fall Semester: September 28 to March 31
Spring Semester: April 1 to late September

Courses
B. TWO-year Master's Course
Standard duration of course: two years
After successful completion of the two-year program, a master's degree will be conferred. However, in the event a student does not successfully complete the course, an extension may be granted.

C. THREE-year Doctoral Course
Standard duration of course: three years
After successful completion of the three-year program, a doctoral degree will be conferred. However, in the event a student does not successfully complete the course, an extension may be granted.

Minimum Degree Requirements
Master's Degree: The satisfactory completion of 30 or more course work credit hours, the research work for and completion of a master's thesis (research results addressing a specific topic in certain programs) under the supervision of a professor in the student's program, and a final exam are required. Successful completion of special seminars & laboratory work and a master's thesis is compulsory.

Doctoral Degree: The satisfactory completion of 16 or more course work credit hours, the research work for and completion of a doctoral dissertation under the supervision of a professor in the student's program, and a final exam are required. Successful completion of compulsory special seminars.
APPLICATION INFORMATION FOR AY2016
Enrollment: Fall Semester 2016

A. Combined Four-year Master’s/Doctoral Course
(This course is not available through the HDMI.)

1. Enrollment Capacity

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<thead>
<tr>
<th>Master’s Programs</th>
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<td>Applied Biology</td>
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<td>Design Engineering and Management</td>
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2. Eligibility

Applicants must meet all conditions and requirements below:

1) Persons currently enrolled in or graduates from KIT’s partner institutions or institutions having a relationship with KIT, and officially recommended by the home institution
2) Persons who make contact with the KIT student exchange coordinator through their present or former university coordinator, and who discuss their proposed research at KIT with their prospective supervisor and obtain prior his/her approval
3) Persons not of Japanese nationality
4) Persons intending to pursue research available at the KIT Graduate School of Science and Technology
5) Persons physically and mentally healthy enough to carry out their study at KIT
6) Persons with sufficient proficiency in English (Those whose native language is not English must have a TOEFL score higher than 88 (iBT), 230(CBT), 570(PBT), or the equivalent.)
7) Persons being able to arrive in Japan by September 26, 2016
8) Persons having the potential to successfully complete the program in four years
9) Persons having completed a 16-year course of study in the educational institutions in a foreign country or expecting to complete such a course in September 2016

The following persons will not be admitted.
- Those enrolling at any other Japanese university in the academic year of 2016

Enrollment of students failing to receive their bachelor’s degree by the end of September 2016 will be cancelled.
3. Application Procedure

1) Forms and Documentation for Application
   a. Application for KIT International Graduate Program (Form 1-A)
   b. Summary of Study Currently/Previously Undertaken (Form 2-A)
   c. Proposal of Study at KIT (Form 3-A)
   d. Pledge (Form 4-A)
   The forms above are available at: http://www.kit.ac.jp/prospective_student/
   e. Official copies of certificates of graduation or expected graduation and degrees from the college or university previously or currently attended
   f. Official academic transcripts from the college or university previously or currently attended
   g. Abstract of graduation thesis
   h. A photocopy of the applicant’s passport (personal details page) (if available)
   i. Reference letter from the person representing the institution, or the dean of the school (addressed to the President of KIT)
   j. Reference letter from the applicant’s current or previous supervisor
   k. TOEFL or other internationally acknowledged English proficiency test score of applicants whose native language is not English
   l. Three ID photos (4 cm long x 3 cm wide) taken within 3 months. One must be pasted in the designated place on application Form 1 (attach remaining photos to ‘Form 1’ with a paper clip)
   m. Checklist (Form 5-A)

2) Application fee: JPY 30,000
   Bank: The Bank of Tokyo-Mitsubishi UFJ, Ltd.
   Kyoto-Chuo Branch
   Account Number: Savings account 2714161
   Swift code: BOTKJPJT
   Account Holder’s Name: Kyoto Institute of Technology

3) Application procedure
   a) Potential applicants should make contact with the KIT student exchange coordinator through their present or former university coordinator, and receive full information about education and research at KIT.
   b) Before completing applications, applicants are required to select a prospective supervisor at KIT and discuss their proposed research. Applications submitted without prior approval of a KIT faculty member will not be accepted.

4) Application deadline
   All application materials should be submitted through registered postal airmail by December 11, 2015. (as indicated by the postmark on the envelope) Applications submitted by FAX or E-mail will not be accepted. After posting the application packet, email the tracking number to Student Exchange Services, International Affairs, Kyoto Institute of Technology (ses@jim.kit.ac.jp).

5) Remarks:
   a) All application documents should be typewritten or handwritten in block letters in Japanese or English on A4-size (210mm x 297mm) sheets of paper. Valid, accurate Japanese or English translations should be attached to those certificates and transcripts written in a language other than Japanese or English.
   b) Application materials, once submitted, will not be returned for any reason.
   c) In the event an application is incomplete in any way, applicants will be removed from the selection process. Applications postmarked after the deadline will not be accepted.

Submission address:
Student Exchange Services
International Affairs
Kyoto Institute of Technology
Matsugasaki, Sakyoku, Kyoto 606-8585
JAPAN
Phone: +81-(0)75-724-7128
Fax: +81-(0)75-724-7710
4. Selection Procedure

- All applicants will be interviewed by KIT faculty. The date and location of the exam will be arranged and each applicant will be informed. The exam will take place in English and several scientific or academic questions from the field of the applicant’s major will be posed.

- KIT will select successful candidates after evaluating each applicant’s academic performance and potential for the completion of graduate study within the standard minimum duration of each course, through careful examination of application form documentation and interview results.

5. Admission Procedure

All applicants will receive notification of acceptance in mid-March 2016. Admission materials will also be mailed to successful applicants at this time.

Tuition and Fees: (as of September 25, 2015)

1) Registration/Matriculation Fee: JPY 282,000
2) Annual Tuition: JPY 535,800
   (JPY 267,900 per semester)

(The registration/matriculation fee and annual tuition are subject to change. If this change occurs at or prior to enrollment, the new fees and tuition apply.)

6. Important Information

1) Immigration procedure
Before coming to Japan, admitted students will need to obtain a student (ryugaku) visa issued by the Japanese Embassy or Consulate in their country of residence. Information on this procedure will be provided to each accepted student with his/her letter of acceptance.

2) Health insurance
Upon arrival in Japan, students are required to obtain National Health Insurance (NHI) and Personal Accident Insurance for Students Pursuing Education and Research policies, and to pay those premiums. (The cost for NHI is approximately JPY18,000 a year for a single person without dependents.)

3) Accommodation
IGP students may apply for KIT International House, an international student dormitory, as a first accommodation in Kyoto for one year only. Here, assistance with starting a life in Japan and blending into the community is available. Matsugasaki College House is also available for interested students.

4) Preparatory Education
IGP courses start immediately after students’ arrival in Japan. Therefore, successful applicants are expected to learn, in advance, about the customs, lifestyle, and climate of Japan and academic programs at KIT. Students are also encouraged to become acquainted with the Japanese language before coming to Japan.

7. Cautions

1) Student admission may be subject to cancellation if false statements, concealment or omission of the truth are discovered to have been made on the application.

2) Prior to the second stage (two-year doctoral course) of the IGP, students are required to obtain the approval of their program director.
B. Two-year Master’s Course

NOTE: Dates are different for persons applying for the "Master's Degree and Internship Program of the African Business Education Initiative for Youth" (ABE Initiative) and/or the "Japanese Grant Aid for Human Resource Development Scholarship" (JDS). These applicants should ask about alternatives for the "Application deadline" on page 8, section 3 - 4) and the "notification of acceptance" on page 9, section 5.

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3) Persons not of Japanese nationality
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The following persons will not be admitted.
- Those enrolling at any other Japanese university in the academic year of 2016
Enrollment of students failing to receive their bachelor’s degree by the end of September 2016 will be cancelled.

3. Application Procedure

1) Forms and Documentation for Application
   a. Application for KIT International Graduate Program (Form 1-B)
   b. Summary of Study Currently/Previously Undertaken (Form 2-B)
   c. Proposal of Study at KIT (Form 3-B)
   d. Pledge (Form 4-B)

   The forms above are available at: http://www.kit.ac.jp/prospective_student/#

   e. Official copies of certificates of graduation or expected graduation and degrees from the college or university previously or currently attended
   f. Official academic transcripts from the college or university previously or currently attended
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   h. A photocopy of the applicant’s passport (personal details page) (if available)
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   l. Three ID photos (4 cm long x 3 cm wide) taken within 3 months. One must be pasted in the designated place on application Form 1 (attach remaining photos to ‘Form 1’ with a paper clip)

   m. *Application for KIT HDMI Financial Assistance: Application for Fee Refund and Scholarship (Form 5-1), if applicable (See “KIT HDMI Financial Assistance” on page 13 for details.) Submit this Form 5-1, together with Forms 5-2 and 5-3.
   n. *Application for KIT HDMI Financial Assistance: Application for Registration/matriculation Fee Waiver (Form 5-2), if applicable
   o. *Application for KIT HDMI Financial Assistance: Application for Tuition Waiver (Form 5-3), if applicable
   p. Checklist (Form 6-B)

   *m, n, and o are only available through the HDMI.

2) Application fee: JPY 30,000
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Submission address:
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Kyoto Institute of Technology
Matsugasaki, Sakyo-ku, Kyoto 606-8585
JAPAN
Phone: +81-(0)75-724-7128
Fax: +81-(0)75-724-7710
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4) Preparatory Education
IGP courses start immediately after students’ arrival in Japan. Therefore, successful applicants are expected to learn, in advance, about the customs, lifestyle, and climate of Japan and academic programs at KIT. Students are also encouraged to become acquainted with the Japanese language before coming to Japan.

7. Cautions
1) Student admission may be subject to cancellation if false statements, concealment or omission of the truth are discovered to have been made on the application.

2) To proceed to the doctoral course, students must submit an application and pass the KIT Three-year IGP Doctoral Course entrance exam.
C. Three-year Doctoral Course

1. Enrollment Capacity

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* These programs are not available through the HDMI.

2. Eligibility

Applicants must meet all conditions and requirements below:

1) Persons currently enrolled in or graduates from KIT’s partner institutions or institutions having a relationship with KIT, and officially recommended by the home institution
   Or, persons currently enrolled in or graduates from the KIT IGP Two-year Master’s Course, and officially recommended by their master’s course supervisor

2) Persons who make contact with the KIT student exchange coordinator through their present or former university coordinator, and who discuss their proposed research at KIT Doctoral Course with their prospective supervisor and obtain his/her approval prior to submitting the application
   Or, persons currently enrolled in or graduates from the KIT IGP Two-year Master’s Course who discuss their proposed research at KIT Doctoral Course with their prospective supervisor and obtain his/her approval prior to submitting the application

3) Persons not of Japanese nationality

4) Persons intending to pursue research available at the KIT Graduate School of Science and Technology

5) Persons physically and mentally healthy enough to carry out full course of their study at KIT

6) Persons with sufficient proficiency in English (Those whose native language is not English must have a TOEFL score higher than 88 (iBT), 230(CBT), 570(PBT), or the equivalent.)

7) Persons being able to arrive in Japan by September 26, 2016

8) Persons holding a Master’s degree, or the equivalent, from an institution in a foreign country or KIT (IGP Two-year Master’s Course), or expecting to receive one in September 2016

The following persons will not be admitted.

- Those enrolling at any other Japanese university in the academic year of 2016

*Enrollment of students failing to receive their master’s degree or the equivalent by the end of September 2016 will be cancelled.*
3. Application Procedure

1) Forms and Documentation for Application

a. Application for KIT International Graduate Program (Form 1-C)

b. Summary of Study Currently/Previously Undertaken (Form 2-C)

c. Proposal of Study at KIT (Form 3-C)

d. Pledge (Form 4-C)

The forms above are available at:
http://www.kit.ac.jp/prospective_student/

e. Official copies of certificates of graduation or expected graduation and degrees from the college or university previously or currently attended

f. Official academic transcripts from the college or university previously or currently attended

g. Abstract of graduation thesis

h. A photocopy of the applicant’s passport (personal details page) (if available)

i. Reference letter from the person representing the institution, or the dean of the school (addressed to the President of KIT)

j. Reference letter from the applicant’s current or previous supervisor

k. TOEFL or other internationally acknowledged English proficiency test score of applicants whose native language is not English

l. Three ID photos (4 cm long x 3 cm wide) taken within 3 months. One must be pasted in the designated place on application Form 1 (attach remaining photos to ‘Form 1’ with a paper clip)

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n. *Application for KIT HDMI Financial Assistance: Application for Registration/matriculation Fee Waiver (Form 5-2), if applicable

o. *Application for KIT HDMI Financial Assistance: Application for Tuition Waiver (Form 5-3), if applicable

p. Checklist (Form 6-C)

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2) Application fee: JPY 30,000

Bank: The Bank of Tokyo-Mitsubishi UFJ, Ltd.
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Persons selected for application fee refund will receive JPY30,000 after enrollment. See “KIT HDMI Financial Assistance” on page 13 for details.

3) Application procedure

a) Potential applicants should make contact with the KIT student exchange coordinator through their present or former university coordinator, and receive full information about education and research at KIT.

b) Before completing applications, applicants are required to select a prospective supervisor at KIT and discuss their proposed research. Applications submitted without prior approval of a KIT faculty member will not be accepted.

4) Application deadline

All application materials should be submitted through registered postal airmail by December 11, 2015. (as indicated by the postmark on the envelope) Applications submitted by FAX or E-mail will not be accepted. After posting the application packet, email the tracking number to Student Exchange Services, International Affairs, Kyoto Institute of Technology (ses@jim.kit.ac.jp).

5) Remarks:

a) All application documents should be typewritten or handwritten in block letters in Japanese or English on A4-size (210mm x 297mm) sheets of paper. Valid, accurate Japanese or English translations should be attached to those certificates and transcripts written in a language other than Japanese or English.

b) Application materials, once submitted, will not be returned for any reason.

c) In the event an application is incomplete in any way, applicants will be removed from the selection process. Applications postmarked after the deadline will not be accepted.

Submission address:
Student Exchange Services
International Affairs
Kyoto Institute of Technology
Matsugasaki, Sakyo-ku, Kyoto 606-8585
JAPAN
Phone: +81-(0)75-724-7131
Fax: +81-(0)75-724-7710
4. Selection Procedure

- All applicants will be interviewed by KIT faculty. The date and location of the exam will be arranged and each applicant will be informed. The exam will take place in English and several scientific or academic questions from the field of the applicant’s major will be posed.

- KIT will select successful candidates after evaluating each applicant’s academic performance and potential for the completion of graduate study within the standard minimum duration of each course, through careful examination of application form documentation and interview results.

5. Admission Procedure

All applicants will receive notification of acceptance in mid-March 2016. Admission materials will also be mailed to successful applicants at this time.

Tuition and Fees: (as of September 25 2015)

(1) Registration/Matriculation Fee: JPY 282,000
(2) Annual Tuition: JPY 535,800

JPY 267,900 per semester

(The registration/matriculation fee and annual tuition are subject to change. If this change occurs at or prior to enrollment, the new fees and tuition apply.)

6. Important Information

1) Immigration procedure
Before coming to Japan, admitted students will need to obtain a student (ryugaku) visa issued by the Japanese Embassy or Consulate in their country of residence. Information on this procedure will be provided to each accepted student with his/her letter of acceptance.

2) Health insurance
Upon arrival in Japan, students are required to obtain National Health Insurance (NHI) and Personal Accident Insurance for Students Pursuing Education and Research policies, and to pay those premiums. (The cost for NHI is approximately JPY18,000 a year for a single person without dependents.)

3) Accommodation
IGP students may apply for KIT International House, an international student dormitory, as a first accommodation in Kyoto for one year only. Assistance with starting a life in Japan and blending into the community is available. Matsugasaki College House is also available for interested students.

4) Preparatory Education
IGP courses start immediately after students’ arrival in Japan. Therefore, successful applicants are expected to learn, in advance, about the customs, lifestyle, and climate of Japan and academic programs at KIT. Students are also encouraged to become acquainted with the Japanese language before coming to Japan.

7. Cautions

Student admission may be subject to cancellation if false statements, concealment or omission of the truth are discovered to have been made on the application.
KIT HDMI FINANCIAL ASSISTANCE APPLICATION INFORMATION FOR AY2016

Enrollment: Fall Semester 2016

KIT HDMI Financial assistance candidates are selected without regard to course:

B. Two-year HDMI Master’s Course or C. Three-year HDMI Doctoral course affiliation.

*NOT available for A. combined Four-year Master’s/Doctoral Course

1. KIT HDMI Financial Assistance

Capacity of HDMI Financial Assistance

<table>
<thead>
<tr>
<th>a. Application fee refund</th>
<th>b. Scholarship</th>
<th>c. Registration/matriculation fee and tuition fee waiver</th>
</tr>
</thead>
<tbody>
<tr>
<td>The five highest-achieving candidates from among the B (HDMI), and C (HDMI) courses.</td>
<td>The two highest-achieving candidates from among the B (HDMI), and C (HDMI) courses.</td>
<td>A limited number of top candidates from among the B (HDMI), and C (HDMI) courses.</td>
</tr>
</tbody>
</table>

KIT HDMI Financial Assistance:

a. Application fee aid
The application fee of the five highest-achieving candidates will be refunded.

b. Scholarship
An additional award of a JPY 80,000/month KIT HDMI scholarship will be given to the two highest-achieving candidates for the standard minimum duration of each course. This scholarship will be cancelled if bad behavior or failing grades occur.

c. Registration/matriculation fee and tuition fee waiver
The registration/matriculation fee and tuition fees of a limited number of top candidates will be waived. Their tuition fees will be waived for the standard minimum duration of each course. Tuition waivers will be cancelled if inappropriate behavior or failing grades occur.

An application for financial assistance (Forms 5-1, 5-2, 5-3) must be submitted with all other IGP application forms. You will be informed of any further necessary documents if you are selected.

2. Non-KIT Scholarship

Non-KIT Scholarship
Information on application procedures for non-KIT scholarships will be provided upon student arrival at KIT. In general, scholarships in Japan are highly competitive. Students must have an alternative financial backup plan to put into effect in the event they are not awarded a scholarship.
E D U C A T I O N  A N D  R E S E A R C H  O B J E C T I V E S

The mission of the Graduate School of Science and Technology is to continue the work done at the undergraduate school at a level of greater specialization and research.

Through the Kyoto Institute of Technology's (KIT) master's and doctoral programs, we train scientists that are adept at both the concrete and abstract aspects of science. The concrete encompasses a deep knowledge and understanding of the pioneering technologies and methods that will be important in the 21st century. The abstract aspects are essentially those qualities and approaches that define great researchers and theorists in any field. Both of these aspects have played a key role in education and research at KIT over the past 100 years.

KIT is unique in the wide range of subjects and fields it makes available to graduate students. KIT’s graduate programs offer students expertise and higher degrees in everything from agriculture and the humanities to sciences and the fine arts. No other technological graduate school in Japan offers such a comprehensive range of study.

Specific information on each program is available in the KIT brochure at: http://www.kit.ac.jp/wp/wp-content/uploads/2013/06/gaiyo_eng.pdf
### MASTER’S PROGRAM COURSES  [as of October 2015]

#### Applied Biology Course List

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Cell Signaling and Engineering</td>
<td>Advanced Structural Biology Advanced Molecular Cell Biotechnology Advanced Chromosome Engineering Functional Cell Biology Advanced Applied Microbiology Advanced Applied Entomology Advanced Insect Biotechnology Advanced Insect Physiology Advanced Function Advanced Neuroscience Advanced Plant Science and Molecular Engineering Advanced Evolutionary Genomics Advanced Applied Botany Advanced Biomedical and Developmental Biology International Internship Special Seminar and Laboratory Work I Special Seminar and Laboratory Work II Special Seminar and Laboratory Work III Special Seminar and Laboratory Work IV Special Research</td>
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#### Innovative Materials Course List

<table>
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<tr>
<th>Course Title</th>
<th>Description</th>
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#### Material’s Properties Control Course List

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Thermal Physics and Statistical Physics Hierarchical Structure Formation Textile Processes Advanced Molecular Engineering of Polymers Polymer Structure and Mechanics Atomic and Molecular Physical Chemistry Computational Chemistry of Inorganic Materials Science of Inorganic Structural Materials Properties of Nanomaterials Biobased Polymers Seminar on Material’s Properties Control I International Internship Special Seminar and Laboratory Work I Special Seminar and Laboratory Work II Special Seminar and Laboratory Work III Special Seminar and Laboratory Work IV Special Research</td>
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</table>

#### Materials Synthesis Course List

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<tr>
<th>Course Title</th>
<th>Description</th>
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</table>

#### Functional Chemistry Course List

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>Reaction Dynamics of Biomolecules Molecular Structural Chemistry Analytical Chemistry Mechanisms of Biological Reactions Soft Biomaterials Molecular Design for Bioregulation Biochemical Functions of Polymers Chemical Engineering Advanced Functional Structures of Proteins Biobased Polymers Applied Bio-related Fiber Science Seminar on Functional Chemistry I International Internship Special Seminar and Laboratory Work I Special Seminar and Laboratory Work II Special Seminar and Laboratory Work III Special Seminar and Laboratory Work IV Special Research</td>
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</table>

#### Electronics Course List

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<tr>
<th>Course Title</th>
<th>Description</th>
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#### Information Science Course List

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Information Control Advanced Data Networks Advanced Dynamical Systems Theory Digital Signal Processing Advanced Coding Theory Computer Systems Advanced Computational Intelligence and Optimization Advanced Knowledge Informatics and Semantics Advanced A Knowledge Informatics and Semantics Advanced B Software Engineering Advanced I Software Engineering Advanced II Physical Interaction Design Multimedia Effects Data Engineering Advanced Formal Language Theory Human Centred Information Processing Environments International Internship Special Seminar and Laboratory Work I Special Seminar and Laboratory Work II Special Seminar and Laboratory Work III Special Seminar and Laboratory Work IV Special Research</td>
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#### Mechanophysics Course List

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<th>Course Title</th>
<th>Description</th>
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#### Mechanodesign Course List

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<th>Course Title</th>
<th>Description</th>
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#### Design Engineering and Management Course List

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<tr>
<th>Course Title</th>
<th>Description</th>
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</thead>
</table>
### Deign Course List

**< The Study Field of Design >**

- Designer Professionalism/Advanced Design Project I
- Advanced Design Project II
- Traditional Culture and Design
- Technological Innovation and Design/Social Issues and Design
- History of Japanese Architecture/advanced
- History of World Architecture/advanced
- Information Design/Design Project A
- Design Project B
- Design Process for Innovation/Physical Interaction Design/Product Design/Graphic Design/Media Design/Interior Design/International Internship/Master's Project

**< The Study Field of Creative Curation >**

- Designer Professionalism/Advanced Design Project I
- Advanced Design Project II
- Traditional Culture and Design
- Technological Innovation and Design/Social Issues and Design
- History of Japanese Architecture/advanced
- History of World Architecture/advanced
- History of Art and Design/Theory of Art and Space/Theory of Curation/advanced
- Architectural Exhibitions/Advanced
- Curatorial and Archival Exercises at Museum I
- Curatorial and Archival Exercises at Museum II
- Curatorial and Archival Exercises at Museum III
- Curatorial and Archival Exercises at Museum IV
- International Internship/Seminar on Axiology and Curation
- Seminar on Axiology and Curation II
- Research Guidance

### Architecture Course List

- Architect Professionalism/Structural Mechanics and Design/Advanced
- Building Environment and Equipments/History of Japanese Architecture/advanced
- Community Design and Management/Urban Infrastructure/International Internship/Special Seminar & Laboratory Work I
- Special Seminar & Laboratory Work II
- Special Seminar & Laboratory Work III
- Special Seminar & Laboratory Work IV
- Research Guidance

### Advanced Fibro-Science Course List

- Textile Science I (Textile Materials)/Textile Science II (Textile Processing)/Textile Engineering I (Mechanics)/Textile Engineering II (Evaluation)/Textile Engineering III (Finishing)/Textile Engineering IV (Kansei)/Textile Engineering V (Sustainability)/Composites / Manufacturing design/Nanoengineering design/Kansei-Human Interface/Sustainability Design/Advanced Fibro Synergy I
- Advanced Fibro-Science Seminar I
- Advanced Fibro-Science Seminar II
- Polymer Processing I/Polymer Processing II/Seminar on International Culture Communication I
- Seminar on International Culture Communication II
- International Internship/Special Seminar & Laboratory Work I
- Special Seminar & Laboratory Work II
- Special Seminar & Laboratory Work III
- Special Seminar & Laboratory Work IV
- Special Research

### Biobased Materials Science Course List

- Special Seminar & Laboratory Work II
- Special Seminar & Laboratory Work III
- Special Seminar & Laboratory Work IV
- Special Research
### DOCTORAL PROGRAM COURSES  [as of October 2015]

<table>
<thead>
<tr>
<th>Biotechnology Course List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insect Biomedical/Genomics and Epigenomics/Applied Molecular Life Sciences/Cellular and Molecular Biology/Applied Plant and Insect Sciences/Seminar on Selected Topics I /Seminar on Selected Topics II /Research Guidance</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Materials Chemistry Course List</th>
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<tr>
<th>Electronics Course List</th>
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<tr>
<th>Engineering Design Course List</th>
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<tbody>
<tr>
<td>&lt; Engineering Design &gt;</td>
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<tr>
<td>Engineering Design (Comprehensive Design Program) &gt;</td>
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</table>

<table>
<thead>
<tr>
<th>Design Course List</th>
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</thead>
<tbody>
<tr>
<td>&lt;The Study Field of Design&gt;</td>
</tr>
<tr>
<td>&lt;The Study Filed of Creative Curation&gt;</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Architecture Course List</th>
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</table>

<table>
<thead>
<tr>
<th>Advanced Fibro-Science Course List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Textile Science I /Applied Textile Science II /Applied Composites / Manufacturing Design/Applied Kansei-Human Interface/Applied Sustainability Design/Advanced Fibro Special Synergy I/Advanced Fibro Special Lecture II/Advanced Fibro Special Seminar I/Advanced Fibro Special Seminar II/Special Seminar on International Culture and Communication I/Seminar on International Culture and Communication II/Seminar on Selected Topics I /Seminar on Selected Topics II /Research Guidance</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Biobased Materials Science Course List</th>
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</thead>
<tbody>
<tr>
<td>Chemobiology/Bio-based Materials Chemistry/Function And Application of Biobased Materials/Nano-fiber Technology/Special Lecture on Nanostructure Physics/Applied Protein Engineering/Seminar on Selected Topics I /Seminar on Selected Topics II /Research Guidance</td>
</tr>
</tbody>
</table>
### ADMISSION POLICY

<table>
<thead>
<tr>
<th>Aims and Purposes</th>
<th>Enrollment Selection Policy</th>
<th>Required Abilities and Attitudes</th>
</tr>
</thead>
</table>
| **Master’s Program of Applied Biology** | Students in this program will acquire basic knowledge on various life phenomena from molecules to ecology and will be directed toward applying this knowledge to the field of biotechnology. The program aims to foster researchers and engineers who can play an active role in a new era of life science. | We are looking for applicants who possess specialized knowledge of biology and biochemistry and who are eager to take an international role in the areas of applied biology and biotechnology. | Applicants must:  
- have a reverence for life and nature;  
- have an observant and curious nature;  
- be flexible thinkers;  
- have a creative mind and determined spirit. |
| **Master’s Program of Innovative Materials** | Graduates are trained to have a basic knowledge in chemistry for polymeric materials/ inorganic materials/ and optoelectronics/ which are the essence for the innovation of materials. Graduates have trained to have the practical ability to realize the developments of the effective innovative materials through the approaches of higher ordered structures and functionality of materials such as macromolecular materials or ceramic materials. Resultant graduates will be research engineers and persons possessing broad and deep knowledge/ self-awareness/ and international-mindedness. | We desire the students who have strong interest in macromolecular materials and ceramic materials/ and who are intellectually capable of scientific analysis of these materials/ and who have an eagerness to undertake these studies. In the selection/ the importance is the ability to address the problems from the international points of view. |  
- Intellectual aptitude for studying science/ and having insights  
- Ability to express ideas in a positive manner and communicate effectively.  
- Social awareness  
- Logical judgment based on research engineers |
| **Master’s Program of Material’s Properties Control** | Research engineers handling materials that have high functions are required not only to have knowledge of the properties of individual substances such as macromolecular materials and inorganic materials/ but also to have a deep understanding of the basic characteristics that constitute the sources of functions. In the Master of Material Properties Control course/ the following activities are carried out: based on the above-mentioned knowledge and understanding/ consideration is given to the issue of what materials are useful for society; competent persons who have foresight into future developments/ and competent persons who have international-mindedness whereby their own technical ability is deployed on a global basis/ are trained. | Such persons are sought who aim at the development of a truly prosperous society/ while aspiring to realize material breakthroughs by means of aggregates consisting of substances such as macromolecular materials and inorganic materials. In particular/ importance is attached to the ability to discover problems from international points of view. |  
- Self motivated thinkers  
- The ability to recognize both the diversity of phenomena and the principles thereof  
- The ability to correctly communicate opinions and to participate in in-depth discussions  
- The ability to develop awareness of roles and responsibilities in society |
| **Master’s Program of Materials Synthesis** | The following activities are carried out: Clarification of the design principles of molecules/ the smallest constituent units of organic substances; pioneering of synthesis techniques; education and research aimed at the development of new materials and state-of-the-art functional materials. Sights are set on training competent persons who concurrently are highly motivated/ creative/ and international-minded/ and who can think and initiate action/ while keeping symbiosis with nature in mind. | Such persons are sought who have strong interest in substance synthesis/ who are equipped with a broad foundation in chemistry/ who can promote the development of useful new materials through the creation of substances at the atomic and molecular levels/ and who excel in international sensibility. | • Strong interest in natural sciences • Basic academic ability in chemistry/ physics/ mathematics/ etc. • Foundational academic ability/ creativity and a logical academically-rooted intellect capable of research development • Highly assertive and self motivated. Able to conduct experiments without supervision. • Communication ability |
| **Master’s Program of Functional Chemistry** | Sights are set on training research engineers who have insight and problem-solving abilities resulting from precision analyses of the structures and functions of functional substances such as bio-related substances/ and from research experience related to the creation and application of functional substances. | Selection is made of persons who have strong interest in the structures and functions of functional substances that play important roles in the interdisciplinary domain between chemistry and life sciences/ and who are equipped with basic knowledge and basic academic abilities indispensable to carrying out research. In particular/ importance is attached to persons equipped with the ability to solve tasks that are based on international points of view. | • Deep interest in functional substances; and fundamental academic ability in chemistry/ mathematics/ physics/ and biochemistry • Communication skills and the ability to discuss • Able to make logical judgments befitting research engineers • Insight for establishing research subjects from global points of view |
| **Master’s Program of Electronics** | This program is designed to offer advanced knowledge of electronic engineering technology/ and information and communications technology. Students are also expected to develop the ability to demonstrate individual initiative in developing new technology/ based on the specialized knowledge acquired in the program/ as well as the ability to take an integrated approach so that newly developed technology can be applied in the real world. | Such persons are sought who are interested in natural phenomena/ who are equipped with basic academic ability in electrical or electronics engineering; who have curiosity and deep insight regarding nature; and who are further capable of setting up problems by themselves and dealing with solutions to these problems on an original/ state-of-the-art/ and persistent basis. | Applicants must: • have a determined spirit and the strength to act; • have the ability to think ahead and think logically; • have the ability to analyze things mathematically; • be creative and intuitive; and • be capable of accurate communication and self-expression. |
| Master’s Program of Information Science | This program aims to develop human resources who will contribute to realizing a more affluent/advanced information society by developing information and communications technology/which serves as a foundation for today’s society/and by playing an active role in establishing the human sciences of the 21st century. | We are looking for applicants who have the required knowledge of mathematics and information technology as well as the required English communication skills to pursue study and research in this program. | Applicants must: ● have a determined spirit and the strength to act; ● have the ability to think logically; ● have the ability to analyze things mathematically; ● be creative and intuitive; ● be capable of accurate communication and self-expression; and ● have an interest in people and social issues. |
| Master’s Program of Mechanophysics | The purpose here is to send out into the world mechanical engineers and researchers who have mastered theoretical/ experimental/ and numerical analysis techniques for understanding various physical phenomena/centered around mechanics/which forms the basis of mechanical engineering. Graduates of this program have the ability to apply these techniques to actual engineering problems/ can play active roles at an international level and have exploratory value creation ability. | Such persons are sought who are interested in natural phenomena/who are equipped with basic academic ability in mechanical engineering; who have curiosity and deep insight regarding nature; and who are further capable of setting up problems by themselves and dealing with solutions to these problems on an original/ state-of-the-art/ and persistent basis. | Curious ● Having originality ● Having eagerness to attempt challenges ● Logical ● Deeply insightful |
| Master’s Program of Mechanodesign | The purpose here is to send out into the world mechanical engineers and researchers who are familiar not only with mechanical engineering but also with extensive state-of-the-art technologies/ who have the ability to design innovations by making full use of engineering knowledge on a cross-sectional basis/ who can play globally active roles/ and who are skilled in practical value creation. | Such persons are sought who are attracted to manufacturing; who are equipped with basic academic ability in mechanical engineering; who have interest/curiosity/and deep insight regarding nature; and who are further capable of setting up problems by themselves and dealing with solutions to these problems on an original/ state-of-the-art/ and challenging basis. | Curious ● Having originality ● Having eagerness to attempt challenges ● Logical ● Prescient |
| Master’s Program of Design Engineering and Management | This program focuses on design engineering and management that combines three major areas of human creative activities: design/ engineering and management/ aiming to develop human resources who will play an active role in contributing to the development of society and industry as well as to the innovation of living environments. Students are expected to develop the capacity for more creative conceptualization/ visualization and formulation from a broad perspective. | We are looking for foreign national applicants who are graduates of university level design/architecture/management/ home economics or engineering faculties/ or who have equivalent academic ability and show strong interest in creating products and spaces. | Applicants must be: ● Perceptive: be sensitive to difference/delight and beauty ● Intelligent: have the ability to think logically and flexibly and the ability to come up with conceptual ideas ● Expressive: have effective communication and presentation abilities ● Decisive: be motivated leaders/respectful of others |
Master’s Program of Architecture

(1) The Field of Architectural Design
This graduate program pursues sophisticated architectural designs to produce architects with high-level of expertise who can handle advanced/ complex design work necessitated by the liberalization of architectural services. A central focus of the program is the regeneration of cities and buildings and the preservation of modern architecture and other cultural assets in a way which effects a transformation of society into a more stock-type one based on rational use of resources. Graduates of this program possess a wide range of knowledge of architecture as well as a comprehensive understanding of urban and natural environments and can practice internationally as well as in Japan.

We seek applicants who/ in addition to a knowledge of building production and structural technologies from an engineering standpoint/ possess excellent aesthetic sensitivity enabling them to create living environments and urban environments in harmony with natural environments. Individuals admitted to this program are those with the ability to integrate and think logically about environmental regulations from their ecological and biological knowledge base/ incorporating the principles of energy-saving/ sustainability and health.

Applicants must have:
* fundamental architectural design presentation skills;
* a solid grounding in architecture;
* a highly developed aesthetic sensitivity and the ability to express it;
* an interest in culture/ and environmental and social issues; and
* the ability to act decisively and welcome a challenge.

(2) The Field of Urban and Architectural Revitalization
By having students acquire comprehensive knowledge and techniques for building revitalization management/ and an understanding of the vital cultural importance of cities as assemblies of buildings through practical/ problem-solving exercises/ we produce experts who can be relied on to independently plan and carry out building renovation and urban revitalization. Graduates are capable individuals who have acquired the ability to evaluate cities and buildings from a comprehensive point of view/ who have learned the new design theories required to deal with changes in building usage and the structural analysis and diagnosis methods essential to the diagnosis and reinforcement of existing buildings. Graduates will have the ability to produce and carry out preservation designs for renovation and revitalization and have acquired managerial skills enabling them to integrate these abilities and put them all into practice.

Applicants should also possess the motivation to continue to develop and mature with regard to social/ communication and other skills essential to engaging in building renovation and preservation/ as well as with regard to mastering design techniques/ renovation technologies and management methods required in the preservation of buildings and cities.

Applicants should be able to think internationally and be highly motivated to practice their art not only in Japan/ but also in other Asian countries and beyond.
### Master’s Program of Design

1. **The Field of Design**
   This program, while developing expert capabilities in product, graphic, interior, and media design and deepening practical experience through participation in industry-academia collaboration projects, produces individuals who can transcend the narrow scope of their profession to provide design solutions to societal needs as understood from a wide frame of reference. These individuals are encouraged to develop a new type of design ability that allows them to actively and independently guide innovations called for by society through their ability to work in teams and acquire skills through cooperation with overseas corporations.

As for the field of design, we seek applicants who possess basic knowledge and experience concerning design, have the ability to think flexibly and innovatively and are highly motivated to make a profound study of design and methodologies and put them into practice. Applicants to the field of Value Generation should be highly motivated to understand the history and value of objects exhibited at art galleries and museums, explain them to others, and willing to learn techniques for exhibiting them in ways that accentuate their characteristics most favorably.

### Master’s Program of Advanced Fibro-Science

Students in this program will pursue human-oriented and environmentally friendly functions and systems by learning textile science and engineering. This program is designed to foster self-driven professionals equipped with the spirit to tackle the unknown as well as practical and applicable skills.

We are looking for applicants who possess basic academic abilities in natural science, have an intense curiosity to pursue extensive knowledge beyond their own interest, who are capable of identifying and resolving problems and offering logical explanations, and who have the passion and perseverance necessary to reinvest the results of their research in society.

### Master’s Program of Biobased Materials Science

This program aims to foster researchers and engineers who are capable of exploring new areas in material science and engineering relating to biobased material or plant-derived materials and taking a leading role in a new era of biobased products.

We are looking for individuals who are aware of the need to realize a low-carbon society to ensure that humanity can maintain an affluent life. Applicants must have a solid grounding in organic chemistry, physical chemistry, biochemistry, macromolecular chemistry, physical properties of macromolecules, a strong desire to develop new BBMs and investigate their applications, as well as a strong motivation to pursue study and research in related areas; and a keen enthusiasm to play an internationally active role in creating a new type of society.
<table>
<thead>
<tr>
<th>Doctoral Program of Biotechnology</th>
<th>This program aims to cultivate researchers and leading engineers who can play an active role globally in a wide range of fields by acquiring basic knowledge of a wide array of life phenomena from molecular biology to ecology and applying biotechnology for the effective use of such knowledge.</th>
<th>Successful applicants must have exceptionally good knowledge of biology and biochemistry, a profound sense of creativity for experimental science, and excellent English textual comprehension and writing skills.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctoral Program of Materials Chemistry</td>
<td>This program aims to cultivate outstanding individuals who will take leading roles in both basic and applied research on development of innovative materials for the next generation, and can play an active role in the global arena by tapping into their profound creativity, practical skills in foreign languages, and international experience. Toward this goal, the Doctoral Program in Materials Chemistry provides education and research in such fields as chemical approaches to biological functions (bio-inspired chemistry), nano materials, design/synthesis of precision materials (molecular design), soft materials, and photoelectronics.</td>
<td>Successful applicants must have a strong interest in and desire to conduct research on development in materials chemistry, and possess the basic knowledge necessary to perform creative research, good English comprehension, and problem-solving skills.</td>
</tr>
<tr>
<td>Doctoral Program of Electronics</td>
<td>This program aims to cultivate individuals who have acquired basic electronics skills as well as information and communications technological abilities, who are capable of investigating and resolving specific issues based on advanced specialization in electronic systems engineering, and who are able to identify issues from a comprehensive perspective. The Doctoral Program in Electronics also aims to develop individuals who are capable of structuring and reconstructing knowledge in an attempt to maximize the values that their solutions can offer to society.</td>
<td>Successful applicants must have English proficiency necessary for their learning and research activities and basic academic skills in their areas of specialty.</td>
</tr>
<tr>
<td>Doctoral Program of Engineering Design</td>
<td>This program aims to cultivate individuals who are capable of engaging in research and development in a creative manner by acquiring advanced specialization in the individual engineering fields that constitute the engineering design program and those who have, based on such specialization, acquired engineering design techniques for the entire manufacturing process from setting of values and design to production and evaluation.</td>
<td>Successful applicants must have the basic academic skills necessary to acquire advanced specialization in individual engineering fields, a desire and execution ability for creative evolution of manufacturing, and the language proficiency necessary to act globally.</td>
</tr>
</tbody>
</table>

- Respect for life and nature
- Inquisitive mind and observational skills
- Flexible thinking
- Originality and challenging spirit
- Communication skills
- Interest in natural science in general and its contributions to society
- Knowledge of research on materials chemistry
- Faculty to draw up basic research projects and write theses
- Logical thinking
- Global perspectives
- Specialized knowledge in electronic systems engineering
- Logical thinking and design capability
- Mathematical analysis skills
- Sensibility and creativity
- Self-expression skills
- Challenging spirit and the ability to take action
- Basic academic skills necessary to deepen specialization in individual engineering fields and judgment that is not bound to fixed ideas
- Desire and practical ability to creatively explore and evolve manufacturing beyond the framework of individual engineering fields
### Doctoral Program of Architecture

Like its corresponding Master’s Program, the Doctoral Program in Architecture conducts education and research in urbanology and architecture in such a way that maximizes the strategic advantage of the Institute, namely, its location in Kyoto. Students are encouraged to think globally and hone their abilities that are obtainable only in Kyoto. Under the banner of “Kyoto Design,” this program engages in education, research, and project implementation, thereby nurturing both top-notch urban and architectural design professionals who are well versed in local and historical topics and capable of competing in the international arena and self-sustaining researchers with a high degree of specialization.

Based on their knowledge and skills acquired through the Master’s Program or their practical design capabilities acquired in the real world and resultant track records, students enrolled in this program are expected to evaluate more highly advanced design philosophy and the practical design capacity based on such philosophy, and to conduct more specialized research as both a researcher and educator. In more concrete terms, students are required to conduct research in the three areas of: architectural history for evaluating the stock of urban and architectural heritage sites and buildings, planning theory for revival and utilization of the stock, and expression theory for integrating the stock into specific urban space and architecture, thereby constructing new design and spatial theories. Students are then encouraged to submit their architectural works to which such theories have been applied to be published in technical journals, apply for entry into various architectural design competitions, and submit papers to be published in academic bulletins. A thesis integrating all of the above will then be screened for conferral of degrees.

Successful applicants must have the knowledge necessary to become both internationally competitive urban/architecture design professionals with advanced expertise and independent researchers with a high level of specialization who understand the meaning of learning urbanology and architecture in Kyoto, think globally, and are strongly driven to hone their wide range of competencies in architecture.

- Architectural history for evaluating stock
- New sustainability planning theory for preservation and alternative application of architecture
- Architectural preservation engineering for diagnosis and reinforcement of existing structures
- Preservation and utilization design for restoration and revival
- Aptitudes and competencies required to conduct investigations and research in such fields as revival management for handling stock in a social context, and to explore new technologies and theories

<p>| Architectural history for evaluating stock |
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<tr>
<th>Doctoral Program of Design</th>
<th>Doctoral Program of Advanced Fibro-Science</th>
</tr>
</thead>
</table>
| **(1) Design**<br>This module aims to develop individuals who are capable of designing innovative products and services based on their specialized design skills and who can simultaneously harness the theories, methodologies and traditions of design that are unique to Kyoto. They should possess the ability to make new discoveries and be able to creatively resolve social problems. Working with and under the mentorship of designers and researchers from abroad, students will gain the experience of working with people from other fields in a multidisciplinary project team. In this way, they will acquire the necessary skills to develop and implement their designs internationally.<br>(2) Curation and Interpretation<br>This module aims to cultivate individuals who are capable of "logic construction" and "exhibition curation" rooted in a profound insight into art, design, and architectural works and their creators. They should be able to unlock and interpret the value and meaning of such works and their creators and translate this into words and exhibits based on their own perspectives. | **Successful applications must have an applied/cross-disciplinary knowledge of design and production experience, flexible and original ideas, in-depth knowledge of design and its relevant fields, and a desire to study and implement practical design methodologies and outputs. They should also have the desire not only to acquire knowledge and study theory but also connect this to social practices in the form of exhibitions at art galleries and museums, and other venues.**

- Aesthetic sensitivity
- Deep interest in humanity and the environment
- Balance between theory and practice
- Original thinking and the ability to generate and realise ideas
- Strong desire and ability to take action and implementation skills.

**This program aims to cultivate individuals who are capable of taking on international challenges through their overall abilities, which include setting their own research/development goals, identifying technical challenges for pursuing such goals, and offering solutions, through their education/research activities concerning "human- and environment-friendly manufacturing" based on textile science and engineering.**

Successful applicants must have basic academic skills in natural science, a profound sensibility that prompts them to seek broader knowledge without confining themselves to their own research, the ability to identify, resolve, and logically explain problems, and the passion and perseverance to always think and act for themselves so that their research findings can be fed back to society.

- Engineering design skills: Ability to create innovative textile engineering technology through cooperation with others, with a view toward offering solutions to social needs
- Specialization and creativity: Ability to create innovative, human-friendly products from fibrous materials by tapping into advanced specialization in design, development, and evaluation techniques for fibrous materials and products made with such materials
- Communication skills: Ability to logically write, orally present, and discuss technical content in any regional setting, and to accurately convey their views to individuals and organizations from different backgrounds |
| Doctoral Program of Biobased Materials Science | This program aims to cultivate individuals who can lead the world by tapping into their deep knowledge of biobased products, which are expected to become a mainstay throughout the world, their thorough understanding of the directions to take in order to apply their learning/research findings in international society, and their advanced research skills and underlying profound learning necessary to conduct research activities as independent researchers in the development of biobased materials (BBMs) |
| | Successful applicants must understand the need to realize a sustainable society in order to maintain affluent human lifestyles into the future and aim for such realization, with ample knowledge of at least one field from among organic chemistry, physical chemistry, biochemistry, macromolecular chemistry, and materials science, and a desire to acquire knowledge in other fields and conduct research on BBMs. |
| | • Strong interest in and curiosity about BBMs • Sufficient basic knowledge of applied chemistry, biotechnology, or materials science • Strong will to develop new BBMs and further promote research related to BBMs, and a pronounced desire to learn about related fields • Desire and practical ability to creatively develop a new society in the international arena |
INSTRUCTIONS:
1. Application should be typewritten or handwritten in Roman block letters.
2. Numbers should be in Arabic numerals.
3. Years should be written using the Anno Domini system.
4. Proper nouns should be written in full and should not be abbreviated.

1. Program
   □ IGP

2. Name in full/ in native language and script
   (Family name) / (First name) / (Other names)
   Name in Chinese characters
   (if applicable)
   (Family name) / (First name) / (Other names)

   Note: Your name will be officially registered as written above. Spell it exactly as it appears in your passport. KIT follows ward office policy on Chinese character use in registration. If you are from a country where Chinese characters are in official use, the official KIT registration of your name will use these characters.

3. Nationality
4. Date of birth
5. Sex
   19 / / Age: (as of September 25/2016) M / F

6. Present status and name of the university where you are currently enrolled/ or the institution where you currently work.

7. Present address
   Phone/Fax number mobile:
   E-mail address
   International airport nearest your present address
   Japanese embassy or consulate nearest your present address
8. Person in the applicant's home country to be notified in case of emergency. 
   a) Name in full 
   b) Address/ telephone number/ fax number and E-mail address
   Present address .................................................................
   Phone/Fax number .............................................................
   E-mail address .................................................................
   c) Occupation .................................................................
   d) Relationship ............................................................... 

9. Educational background *

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Date of Application:  
Applicant's Name: ______________________________

____________________________________  Applicant's Signature: ______________________________

* Please attach a separate sheet if the space provided is not sufficient.
(Form 2-A: Combined Four-year Master’s/Doctoral Course)
Summary of Study Currently / Previously Undertaken

- Fill out this form in English or Japanese. Additional sheets of paper may be attached if necessary.
- Attach one copy each of your thesis and most important paper(s).

<table>
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<th>Applicant’s name:</th>
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¹ The abstract should include background information/specification of topic and methodology/major findings and conclusions.

(Continued on the back of the page)
List of major work²:

²Citation Formats:

● Published paper
Year. Title of the Article (J) *. In: Title of the Journal (Place of Publication) or Title of the Book / Editor(s). Volume (issue): pages. Publisher of the Book.

● Oral presentation at a conference
Year. Title of the Oral Presentation or Paper read at a conference (J) *. Conference Title/ Place.

● Art or design work
Year. Title of the Piece of Art or Design Work (J) *. Title of the Exhibition/ Place. Award/ if any.

* If an article or paper read at a conference or piece of art or design work has joint authors/ add (J) after the title.
Fill out this form in English or Japanese. Additional sheets of paper may be attached if necessary.

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| Study Plan in Detail (for Two-year Master’s Course): |
|                                                      |

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PLEDGE

To: The President of Kyoto Institute of Technology

I hereby pledge to participate in the International Graduate Program offered by the Graduate School of Science and Technology/ Kyoto Institute of Technology/ from the fall semester of 2016 if I am admitted.

Date: __________________________../__________________./________________________

Applicant's Name: ________________________________

Applicant's Signature: ________________________________
# Submission Checklist

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<td></td>
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<tr>
<td>e</td>
<td>Official copies of certificates of graduation or expected graduation</td>
<td></td>
</tr>
<tr>
<td>f</td>
<td>Official academic transcripts from all colleges or universities previously</td>
<td></td>
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<tr>
<td>g</td>
<td>Abstract of graduation thesis</td>
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<tr>
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<td>A photocopy of applicant's passport (personal details page) (if available)</td>
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<td>i</td>
<td>Reference letter from the person representing the institution/ or the dean</td>
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<tr>
<td>k</td>
<td>TOEFL or other internationally acknowledged English proficiency test score</td>
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<td>Three ID photos (4 cm long x 3 cm wide) taken within 6 months. One must</td>
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I hereby attest that all necessary documents are enclosed.

Date: ___________/_________/_________

Applicant's Name: ___________________________

Applicant's Signature: ___________________________
Application Form (AY 2016)

INSTRUCTIONS:

1. Application should be typewritten or handwritten in Roman block letters.
2. Numbers should be in Arabic numerals.
3. Years should be written using the Anno Domini system.
4. Proper nouns should be written in full and should not be abbreviated.

1. Program
   □ IGP
   □ HDMI (Sub Program of IGP)

2. Name in full/ in native language and script

   (Family name) / (First name) / (Other names)

Name in English

   (Family name) / (First name) / (Other names)

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3. Nationality

4. Date of birth

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5. Sex

6. Present status and name of the university where you are currently enrolled/ or the institution where you currently work.

7. Present address

   Phone/Fax number mobile:

   E-mail address

   International airport nearest your present address

   Japanese embassy or consulate nearest your present address
8. Person in the applicant's home country to be notified in case of emergency.
   a) Name in full

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9. Educational background *

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Date of Application: __________________________

Applicant's Name: ____________________________

Applicant's Signature: ________________________

* Please attach a separate sheet if the space provided is not sufficient.
### Summary of Study Currently / Previously Undertaken

- Fill out this form in English or Japanese. Additional sheets of paper may be attached if necessary.
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List of major work:

2 Citation Formats:

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Year. Title of the Piece of Art or Design Work (J) *. Title of the Exhibition/ Place. Award/ if any.

* If an article or paper read at a conference or piece of art or design work has joint authors/ add (J) after the title.
**Proposal of Study at KIT**

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Day Month Year

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<tr>
<td>d</td>
<td>Pledge (<a href="http://www.kit.ac.jp/prospective_student/#">Form 4-B</a>)</td>
<td></td>
</tr>
<tr>
<td>e</td>
<td>Official copies of certificates of graduation or expected graduation and degrees from all colleges or universities previously or currently attended</td>
<td></td>
</tr>
<tr>
<td>f</td>
<td>Official academic transcripts from all colleges or universities previously or currently attended</td>
<td></td>
</tr>
<tr>
<td>g</td>
<td>Abstract of graduation thesis</td>
<td></td>
</tr>
<tr>
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<td>A photocopy of the applicant’s passport (personal details page) (if available)</td>
<td></td>
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<td>i</td>
<td>Reference letter from the person representing the institution/ or the dean of the school (addressed to the President of KIT)</td>
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<td>j</td>
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<td>TOEFL or other internationally acknowledged English proficiency test score of the applicant whose native language is not English</td>
<td></td>
</tr>
<tr>
<td>l</td>
<td>Three ID photos (4 cm long x 3 cm wide) taken within 6 months. One must be pasted in the designated place on application <a href="http://www.kit.ac.jp/prospective_student/#">Form 1-B</a> (attach remaining photos to ‘<a href="http://www.kit.ac.jp/prospective_student/#">Form 1-B</a>’ with a paper clip)</td>
<td></td>
</tr>
<tr>
<td>m</td>
<td>Application for KIT HDMI Financial assistance: Application fee refund/ IGP Scholarship and Registration/matriculation fee and tuition fee waiver (<a href="http://www.kit.ac.jp/prospective_student/#">Form 5</a>)/ if applicable (See Section KIT HDMI Financial Assistance for details.)</td>
<td>Forms are available at: <a href="http://www.kit.ac.jp/prospective_student/#">http://www.kit.ac.jp/prospective_student/#</a></td>
</tr>
</tbody>
</table>

I hereby attest that all necessary documents are enclosed.

**Date:**

<table>
<thead>
<tr>
<th>Day</th>
<th>Month</th>
<th>Year</th>
</tr>
</thead>
</table>

**Applicant's Name:**

**Applicant's Signature:**
(Form 1-C: THREE-year Doctoral Course)  
Kyoto Institute of Technology  
Graduate School of Science and Technology  
International Graduate Program  
for Interdisciplinary Study in Science and Technology  
APPLICATION FORM (AY 2016)

INSTRUCTIONS:
1. Application should be typewritten or handwritten in Roman block letters.
2. Numbers should be in Arabic numerals.
3. Years should be written using the Anno Domini system.
4. Proper nouns should be written in full and should not be abbreviated.

1. Program
□ IGP  
□ HDMI (Sub Program of IGP)

2. Name in full/ in native language and script
   (Family name) / (First name) / (Other names)

   Name in English
   (Family name) / (First name) / (Other names)

   Name in Chinese characters
   (if applicable)

Note: Your name will be officially registered as written above. Spell it exactly as it appears in your passport. KIT follows ward office policy on Chinese character use in registration. If you are from a country where Chinese characters are in official use the official KIT registration of your name will use these characters.

3. Nationality

4. Date of birth
   19 year / month / day
   Age: (as of September 25/2016) M / F

5. Present status and name of the university where you are currently enrolled/ or the institution where you currently work.

6. Present address

   Phone/Fax number
   mobile:
   E-mail address

   International airport nearest your present address
   Japanese embassy or consulate nearest your present address
8. Person in the applicant's home country to be notified in case of emergency.
   a) Name in full
   ________________________________

   b) Address/ telephone number/ fax number and E-mail address
   Present address ________________________________
   Phone/Fax number ________________________________
   E-mail address ________________________________

c) Occupation ____________________ d) Relationship ____________________

9. Educational background *

<table>
<thead>
<tr>
<th>Year and Month of Admis</th>
<th>Length of Schooling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name and Address of School</td>
<td>Diploma or Degree Awarded Field of Major</td>
</tr>
<tr>
<td>Name</td>
<td>Location</td>
</tr>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>Elementary Education Elementary School</td>
<td></td>
</tr>
<tr>
<td>Secondary Education Lower Secondary School</td>
<td></td>
</tr>
<tr>
<td>Secondary Education Upper Secondary School</td>
<td></td>
</tr>
<tr>
<td>Higher Education Undergraduate Level</td>
<td></td>
</tr>
<tr>
<td>Higher Education Graduate Level</td>
<td></td>
</tr>
<tr>
<td>Total Years of Schooling (as of September 25/2016)</td>
<td>years months</td>
</tr>
</tbody>
</table>

10. Employment record/ beginning with the most recent employment. *

<table>
<thead>
<tr>
<th>Period of Employment</th>
<th>Position</th>
<th>Type of Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
<td></td>
</tr>
<tr>
<td>From</td>
<td>To</td>
<td></td>
</tr>
</tbody>
</table>

11. Japanese language proficiency (Circle the number which best describes your ability.)

While the language of instruction is English/ it is desirable for students to have at least some acquaintance with the Japanese language so that they can enjoy life in the community.

<table>
<thead>
<tr>
<th>Reading</th>
<th>Writing</th>
<th>Speaking</th>
<th>Listening</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 - 4 - 3 - 2 - 1</td>
<td>5 - 4 - 3 - 2 - 1</td>
<td>5 - 4 - 3 - 2 - 1</td>
<td>5 - 4 - 3 - 2 - 1</td>
</tr>
</tbody>
</table>

5: Excellent
4: Good
3: Fair
2: Poor
1: None
12. Accompanying persons (Provide the following information if you plan to bring your family members to Japan.) *

<table>
<thead>
<tr>
<th>Name</th>
<th>Relationship</th>
<th>Age</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date of Application: ____________________________

Applicant's Name: ____________________________

Applicant's Signature: ____________________________

* Please attach a separate sheet if the space provided is not sufficient.
**Summary of Study Currently / Previously Undertaken**

- Fill out this form in English or Japanese. Additional sheets of paper may be attached if necessary.
- Attach one copy each of your thesis and most important paper(s).

<table>
<thead>
<tr>
<th>Applicant’s name:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Topics of study currently/ previously undertaken:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Brief description of the study above:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thesis submitted or currently in preparation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year:</td>
</tr>
<tr>
<td>Title:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Keywords:</th>
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<tbody>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Abstract¹:</th>
</tr>
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<td></td>
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</tbody>
</table>

---

¹ The abstract should include background information/ specification of topic and methodology/ major findings and conclusions.

(Continued on the back of the page)
List of major work:

2 Citation Formats:

● Published paper
Year. Title of the Article (J) *. In: Title of the Journal (Place of Publication) or Title of the Book / Editor(s). Volume (issue): pages. Publisher of the Book.

● Oral presentation at a conference
Year. Title of the Oral Presentation or Paper read at a conference (J) *. Conference Title/ Place.

● Art or design work
Year. Title of the Piece of Art or Design Work (J) *. Title of the Exhibition/ Place. Award/ if any.

* If an article or paper read at a conference or piece of art or design work has joint authors/ add (J) after the title.
(Form 3-C: THREE-year Doctoral Course)
Proposal of Study at KIT

Fill out this form in English or Japanese. Additional sheets of paper may be attached if necessary.

<table>
<thead>
<tr>
<th>Applicant’s Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Preferred Major at Doctoral program</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Please choose the one from the chart on page 10.)</td>
</tr>
<tr>
<td>Field and Topics of Study:</td>
</tr>
<tr>
<td>Study Plan in Detail (for Three-year Doctoral Course):</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of Prospective Supervisor at KIT:</th>
</tr>
</thead>
<tbody>
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</tr>
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</table>
Pledge

To: The President of Kyoto Institute of Technology

I hereby pledge to participate in the International Graduate Program offered by the Graduate School of Science and Technology/ Kyoto Institute of Technology/ from the fall semester of 2016 if I am admitted.

Date: ___________ / ___________ / ___________

Applicant’s Name: ____________________________

Applicant’s Signature: ____________________________
# Submission Checklist

<table>
<thead>
<tr>
<th>Tick</th>
<th>Document</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>Application for KIT International Graduate Program <em>(Form 1-C)</em></td>
<td>Forms are available at: <a href="http://www.kit.ac.jp/prospective_student/#">http://www.kit.ac.jp/prospective_student/#</a></td>
</tr>
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<td>b</td>
<td>Summary of study currently/Previously undertaken <em>(Form 2-C)</em></td>
<td></td>
</tr>
<tr>
<td>c</td>
<td>Proposal of Study at KIT <em>(Form 3-C)</em></td>
<td></td>
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</tbody>
</table>

I hereby attest that all necessary documents are enclosed.

Date: ___/___/____

Applicant’s Name: ______________________

Applicant’s Signature: ___________________
Application Form for KIT HDMI Financial Assistance:
Application Fee Refund and Scholarship

*Submit this Form 5-1/ together with Forms 5-2 and 5-3.

1. Applicant’s Name __________________________
   Family name / First name(s)

2. Course
   □ B. TWO-year HDMI Master’s Course
   □ C. THREE-year HDMI Doctoral Course

3. Date of Birth ______ / ______ / 19
   Day    Month    Year

4. Nationality __________________________

5. Sex  □ Male   □ Female

6. Present status at the university where you are currently enrolled/ or the institution where you currently work.
   __________________________________________

7. Health
   □ excellent   □ good   □ fair   □ poor

8. Address in Home Country
   Address __________________________________________
   Phone/Fax number __________________________ / 
   E-mail __________________________________________

9. Person to be notified in the applicant’s home country/ in case of emergency
   Name __________________________________________
   Relationship ____________________________________
   Address ________________________________________
   Phone/Fax number __________________________ / 
   E-mail ________________________________________

   □ Reference

   Method of Support while in Japan
   Supporter’s name __________________________ (Relationship ________ )
   Address __________________________ Telephone No.
   Occupation (Employer) __________________________
   Annual income __________________________ JPY
   Application Fee __________________________ JPY 30/000
Application Form for KIT HDMI Financial Assistance: Registration/matriculation Fee Waiver

Submission date:
year________ month___ day____

To the President of Kyoto Institute of Technology/

1. Applicant’s prospective major
   □ Master’s Program of __________________________
      Graduate School of Science and Technology
      Enrolled in 2016
      B. TWO-year HDMI Master’s Course

   □ Doctoral Program of __________________________
      Graduate School of Science and Technology
      Enrolled in 2016
      C. THREE-year HDMI Doctoral Course

2. Application number ________ (to be filled in at KIT)

3. Name
   ________________________________
   Signature _________________________

4. Address
   ___________________________________
   ___________________________________
   ___________________________________

   Due to the financial reasons mentioned in the attached document/ I hereby apply for an AY2016 Registration/matriculation Fee Waiver. I will attach necessary documents.*
   Whether selected for the half waiver or not/ I will pay the required amount within 14 days of being notified of the reward result.

   Registration/matriculation Fee       JPY 282,000
   If you are NOT approved for Registration/matriculation Fee Waiver/ who will pay your expenses?

   *You will be informed of any further necessary documents when you receive your acceptance letter.
Application Form for KIT HDMI Financial Assistance:
Tuition Waiver

Submission date:
year_______ month____ day____

To the President of Kyoto Institute of Technology/

1. Applicant’s prospective major

□ Master’s Program of_______________________________
Graduate School of Science and Technology
Enrolled in 2016
B. TWO-year HDMI Master’s Course

□ Doctoral Program of_______________________________
Graduate School of Science and Technology
Enrolled in 2016
C. THREE-year HDMI Doctoral Course

2. Application number __________ (to be filled in at KIT)

3. Name

____________________________

Signature________________________

4. Address

____________________________

____________________________

5. Telephone number ________________

Due to the financial reasons mentioned in the attached document/ I hereby apply for an
AY2016 tuition waiver. I will attach necessary documents.*

Whether selected for the half waiver or not/ I will pay the required amount within 20 days of
being notified of the reward result.

Annual Tuition JPY 535,800

If you are NOT approved for Tuition Waiver/ who will pay your expenses?

____________________________________

*You will be informed of any further necessary documents when you receive your acceptance
letter.