2020

Graduate School International Master's Program

Application Guidelines

Graduate School of Science and Engineering Aoyama Gakuin University

For detailed information on the Graduate School of Science and Engineering and its entrance examination, please visit the official website of Aoyama Gakuin University (http://www.aoyama.ac.jp/en/)

The Educational Policy of Aoyama Gakuin

Aoyama Gakuin has as its aim education based upon the Christian faith and as its purpose the building up of persons who live in sincerity before God, who seek for truth with humility, and who actively take responsibility for all people and for society in a spirit of love and service.

The Mission of Aoyama Gakuin University

Aoyama Gakuin University is an educational and research institution based on the Educational Policy of Aoyama Gakuin which is to serve God and persons, contributing to society as the Salt of the Earth and Light of the World.

Our institution nurtures persons who, with a sound understanding based on global perspectives, possess the wisdom and strength with which to discover and solve issues personally. This is achieved through a wide range of barrier free academic research that pursues service and commitment to humanity.

With respect for one another and the traditions of our institution, all faculty members, personnel and students are making an effort towards the creation of a university that is able to respond to the needs of its era.

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Developing Human Resources

In order for the human race to continue to thrive, we have the responsibility to protect the natural environment and to create a social environment full of vitality. To accomplish such tasks, the innovation and development of science and technology becomes essential. The individuals capable of meeting such demands of society not only possess the insight and executive ability derived from their field of study but also the ability to oversee other related academic fields. Moreover, respect towards the environment and adherences to such humility are indispensable.

The Graduate School of Science and Engineering has its educational aim based upon the Christian faith to nurture individuals according to the school motto "The Salt of the Earth and The Light of the World". Through its instruction in the specialized area of studies, the Graduate School of Science and Engineering educates individuals to be professional researchers devoted to international leadership.

In the Master's Program, students are exposed to a wide range of classes including those that will become the foundation of their area of specialization. As a result, students grow to possess the earnestness and fundamentals which become necessary for learning and research.

Educational Goals

In the Master's Program, students are provided a well-balanced curriculum of classes to broaden their perspective and English classes which focus on practicality as well as high-quality classes in their area of specialty. As a result, students not only acquire the knowledge and ability to apply such knowledge but also logical decision-making skills and language tools necessary for international conferences. Moreover, through the guidance of their research thesis, students discover the process of identifying and resolving problems.

Curriculum Features

The future of scientific research and its development lies in the hands of those who not only possess the knowledge and expertise in the various fields as well as their area of specialty but also the ability to apply their knowledge with a broad perspective. In order to nurture such talents, the Graduate School of Science and Engineering removed barriers which have existed among the eight areas of specialization. By offering one major and eight areas (8 courses) of specialization, students can:

- 1. Pursue an area of interest regardless of the kind of undergraduate degree.
- 2. Register for classes both in and out of their area of specialization in addition to the required courses.
- 3. Conduct cutting-edge research which is made possible because of the cooperation and cohesiveness in the school among the various areas of specialization.
- 4. Carry out interdisciplinary research as well as explore completely new areas.

Program Overview

[1] Time and Year of Entrance

Students enter the Graduate School in September. The school year starts on September 11 ,2020 and ends in early September the next year.

[2] Length

The duration of the Master's program will be two years of full-time study.

[3] Awarded Degree

Graduate Students may pursue studies leading to any of the following degrees:

Master of Science

Master of Engineering

[4] Course Details

The Graduate School of Science and Engineering consists of one department, the Department of Science and Engineering, which includes the following eight Courses.

(1) Fundamental Science Course:

Focusing in particular on mathematical science, materials science, solid-state physics, astrophysics, and atomic, molecular, and plasma physics, the course is planned to serve students with a broad spectrum of interests and objectives in the natural science. Also, the course is extending to new fields such as complex systems, strongly correlated quantum systems, physics of friction, earthquake, etc. The specialty studies cultivate the students' ability to build models for a range of issues and solve problems.

(2) Chemistry Course:

The course consists of three fields: physical chemistry, organic chemistry and inorganic analytical chemistry. Focusing on a wide range of molecular systems that include individual molecules and tissues showing organic functions and many other functions, the course bases its studies on the primary viewpoint of chemistry and broadens and deepens the students' knowledge of chemistry.

(3) Materials Science Course:

Focusing on the creation of substances with new functions, the course provides comprehensive studies concerning material design, device manufacture and other applications. Based on material physics, solid-state chemistry, materials science, thin-film engineering, electrical engineering and other fields, the course trains future leaders of most advanced materials science who are well informed on a broad range of issues.

(4) Biological Science Course:

The rapid progress in biological science is not only expanding new frontiers of science and technology, but also beginning to influence the human society. The aim of the Biological Science Course is to provide students with fundamental knowledge of molecular biology as a common basis to work in this wide field and to develop abilities to plan and carry out research on their own by joining the ongoing research on the structure, function and regulation of the biological molecules. Taking advantage of being a member of The Graduate School of Science and Engineering, we also encourage students to take part in the technical advancements in this field.

(5) Electrical Engineering and Electronics Course:

A broad range of laboratories, including circuit systems, communication theory, and materials accept graduate students. With the aim of establishing themselves as engineers and researchers, the students are focused on fields that support the foundation of modern societies and include energies, measurement/control, information/communications, electronic devices, materials and any related fields. Emphasis is placed on directed research and, in the process; we endeavor to provide students with the ability to think independently make discoveries and solve problems. Students advancing to the course need clear study goals to establish themselves as engineers and researchers.

(6) Mechanical Engineering Course:

This course trains engineers and researchers who will contribute to the sustainable development of

humanity by creating instruments and systems with superior performance. In other words, students base their studies on a broad range of viewpoints, such as energy, environment, safety and ethics, while deepening their understanding of shapes, mechanisms, and the dynamic actions of materials. Combining a range of factors, such as machines and intelligence, the course enables students to acquire advanced skills in information processing, measurement and analysis. The research and guidance foster comprehensive skills in the students, enabling them to identify and solve problems.

(7) Intelligence and Information Course:

Education and research in the Intelligence and Information Course covers a wide range of computer and information related topics including human-computer interaction, natural language understanding, big data, computer vision, robotics, wearable devices, and network and web technology. The goal is to learn to create and master new technologies as well as to understand their role in human society.

(8) Management Technology Course:

The course teaches advanced management technologies applied in production systems, supply chain, business management, environmental management, quality management, and other related areas. By conceptualizing those technologies, the course emphasizes advanced data analysis, system modeling, and optimization techniques. The course enables students to acquire deep understanding the essence of advanced Japanese management systems, such as production systems, total quality management.

How to Apply

(Publicly sponsored International students will be admitted from Fall 2020.)

[1] Requirements for Application

Students who will apply and be accepted to the Graduate School International Master's Program can graduate from the Program by taking English courses conducted in English only.

The Department of Science and Engineering will accept students who have completed a 16-year school education in another country or are expected to complete it by August 31, 2020, or those whom the Graduate School deems as having abilities that are at least equivalalent to university graduates. Applicants should contact the research advisor to discuss his/her research plan, prior to the submission of application documents. If the email address of the desired research advisor is not on the Aoyama Gakuin University website, please contact us via email (in-rikou@aoyamagakuin.jp).

- (*1) Applicants are required to acquire or renew their status of residence as "Student【留学】" which is defined in the **Immigration Control and Refugee Recognition Act.**
- (*2) Please refer to the list of faculty members from here. For the email address of each professor, please contact us via email (in-rikou@aoyamagakuin.jp) (http://www.aoyama.ac.jp/en/graduate/science/#faculty)

[2] Departments and Courses Accepting Applications, Number of Applicants Accepted, and Screening Process

The screening of applicants is based on the examination (application documents, written and oral). Only those who pass the examinations and who have completed the entrance procedure are allowed to enter the Graduate School.

Course	Admission Quota	Screening Process
Fundamental Science Course	None	_
Chemistry Course	A few	Written exam in specialization and oral interview(on site)
Materials Science Course	A few	Interview via a phone or on video system(ex.Skype)
Biological Science Course	A few	Interview via a phone or on video system(ex.Skype)
Electrical Engineering and Electronics Course	A few	Interview via a phone or on video system(ex.Skype)
Mechanical Engineering Course	None	_
Intelligence and Information Course	A few	Interview via a phone or on video system(ex.Skype)
Management Technology Course	A few	Interview via a phone or on video system(ex.Skype)

[3] Admission Schedule

Application Period*	March 4, 2020 – March 19, 2020
Oral interview via a phone or on video system	April 1, 2020 – April 11, 2020
Interview (written examination for Chemistry Course)	April 11, 2020
Notification of Examination Results**	April 17, 2020
Enrollment Confirmation/Tuition Fee Payment Deadline*	May 21, 2020
Entrance	September 11, 2020

^{*} The application must be sent by International Registered Mail, and must arrive no later than the last day of the application deadline.

(httml#campus_map) and on the official website of the Aoyama Gakuin University (http://www.aoyama.ac.jp/en/).

The examination results will also be sent out by EMS on the designated day. Applicants who have passed the examination will also receive a Certificate of Acceptance and other necessary documents for the admission procedure.

[4] Application Documents

The following is the list of documents that need to be submitted when filing an application (one copy each). All documents must be in English or Japanese, or must be accompanied by a translation into English or Japanese checked and authorized by a public organization.

1. Application for 2020 International Master's Program form

A international student application form for admission to the Graduate School of Aoyama Gakuin University (The form is specified by the University and must be filled in by the applicant.) For the signature of the potential research advisor, please leave it blank.

2. Photograph

A photograph of the applicant, including the upper part of the body, without a cap or hat, no background color, 4 cm high x 3 cm wide, taken no more than three months prior to the application, to be pasted on the application form

3. Certificate of Graduation (original only)

A certificate of graduation or completion or a certificate of expected graduation or completion of the last school the applicant attended or is currently attending. Note: Submission of a certificate of expected graduation or completion must be followed by a certificate of graduation or completion after the applicant graduates.

4. Accademic Transcript (original only)

An accademic Transcript from the last school from which the applicant graduated or is currently enrolled (must be either in English or Japanese)

5. Recommender list

Form specified by the University. One person is necessary, two persons are preferable. (*1)

6. Copy of Identification (Either i) or ii) below)

- i) Photocopies of passport (the page(s) with name, nationality and status of residence should be provided)
- ii) Photocopies of certificate of residence (information such as status of residence, period of stay, date of expiration and residence card No. should be provided)

7. Research Plan

About 1000 words in English. (A4 size or letter size)

8. Proof of English Proficiency

For those who have not received undergraduate/graduate education in English, please submit an official score report or certificate of exams with a score of TOEFL or IELTS.

For those who have received education in English, please obtain an official proof letter from the graduated university.

9. Examination Fee Payment Proof Affixing Form

Proof of payment or remittance from a convenience store, by credit card or through bank remittance must be attached to the designated sheet and submitted.

* For the payment method for the entrance examination fee, refer to the following [6].

^{**} The examination results will be posted on the bulletin board of the Graduate School of Science and Engineering located in the 1st floor of Building N

(*1) Aoyama Gakuin University will directly contact the recommender(s) to whom applicant provided in the Recommender List.Please inform your recommender(s) in advance.

[5] Address for Applications

Prepare all necessary documents for application and mail them to the address below within the application period.

Aoyama Gakuin University (Sagamihara Campus) Academic Affairs Division 5-10-1 Fuchinobe, Chuo-ku Sagamihara, Kanagawa 252-5258, Japan

E-mail:in-rikou@aoyamagakuin.jp

[6] Examination Fee

35,000 yen

*The examination fee must be paid within the application period.

Payment method for the entrance examination fee

The payment options are as follows:

For Applicants Living Outside of Japan

Payment by credit card

After finished making the payment by credit card, the applicant will receive an email with the URL (https://e-apply.jp/n/gs-aoyama-eng). Please log in to the URL to print out the "Application information 【申し込み詳細】". This is to prove that you have made your payment by a credit card. Send a copy of the "Application information" to the address written in [5] Address for Applications, together with the other application documents. Make sure that you keep one copy of the "Application information" for your reference.

Payment through bank transfer

Please pay for the examination fee through the bank possible for overseas remittance. A copy of the payment proof should be sent to the address written in [5] Address for Applications, together with the other application documents. Make sure that you keep the original payment proof for your reference. If any changes are made on the proof, amount is being changed, or no receipt stamp is on the proof, the proof may not be valid. Furthermore, the bank remittance made after the deadline date is not permitted. Please note that the fee will not be refunded in any case.

For the bank account information, please refer to [Bank account information].

For Applicants Living in Japan

Payment by credit card

After finished making the payment by credit card, the applicant will receive an email with the URL (https://e-apply.jp/n/gs-aoyama-eng). Please log in to the URL to print out the "Application information I 申 し込み詳細】". This is to prove that you have made your payment by a credit card. Send a copy of the "Application information" to the address written in [5] Address for Applications, together with the other application documents. Make sure that you keep the original "Application information" for your reference.

Payment at a convenience store in Japan (in Japanese only)

After making the payment at a convenience store, the applicant will receive a "receipt 【収納証明書】." Make a photocopy of the receipt and send it to the address written in [5] Address for Applications, together with the other application documents. Make sure that you keep the original receipt for your reference.

attach the issued "payment proof" or "receipt" on the designated sheet.

Payment through bank transfer

Please pay for the examination fee at any bank teller in Japan (except at Japan Post or Japan Post Bank). A copy of the payment proof should be sent to the address written in [5] Address for Applications, together with the other application documents. Make sure that you keep the original payment proof for your reference.

If any changes are made on the proof, amount is being changed, or no receipt stamp is on the proof, the proof may not be valid. Furthermore, the bank remittance made after the deadline date is not permitted. Please note that the fee will not be refunded in any case.

Bank account information

1. Type of remittance: Telegraphic transfer 2. Currency: Japanese Yen 3. Method of payment: Advise and pay 4. Yen exchange charge: Due remitter 5. Remittance charge: Due remitter 6. Purpose of payment: Examination fee 7. Amount of remittance: 35,000 yen PAY IN FULL 8. Message to payee:

9. Information on recipient of payment:

<u> </u>	
Paying bank	Sumitomo Mitsui Banking Corporation
Branch	Shibuya Branch
Swift code	SMBCJPJT
Bank address	20-2 Udagawa-cho, Shibuya-ku, Tokyo JAPAN 150-0042
Account number	A/C 8994276
Account name	AOYAMA GAKUIN KENTEI (DAIGAKUIN B)
Address	4-4-25 Shibuya, Shibuya-ku, Tokyo JAPAN 150-8366

[7] Date and Location of the Examination

For Chemistry Course

Date: April 11, 2020

Venue: Sagamihara Campus, Aoyama Gakuin University

Notes: Details on the examination room will be posted on the bulletin board located on the first floor of Building N (http://www.aoyama.ac.jp/en/outline/sagamihara_campus.html#campus_map) on the examination date.

For other Courses

Applicant will be contacted by the research advisor he/she has emailed prior to his/her application. Please set the interview date and time with the research advisor for the interview to be conducted.

Important:

- (1) The application is invalid if any of the above documents are missing or incomplete or if the acceptance period has expired.
- (2) Documents and fees that have been submitted will not be returned under any circumstances.

Admission Procedure

Successful applicants are required to pay the specified admission fee and send the necessary documents to complete the admission procedure no later than the deadlines set for the admission procedure.

The documents will not be accepted at any time other than that specified below under any circumstances. Applicants who fail to complete the admission procedure by the deadline are deemed to have withdrawn their application.

[1] Address for Applications

Aoyama Gakuin University (Sagamihara Campus) Academic Affairs Division 5-10-1 Fuchinobe, Chuo-ku Sagamihara, Kanagawa 252-5258, Japan

E-mail: in-rikou@aoyamagakuin.jp

Deadline: March 19, 2020

The documents below must be sent via International Registered Mail and must arrive at the above address by the deadline date.

*Please refer to the admission Registration Guide which will be sent to the successful applicant at a later time.

[2] Documents required

Documents required to be arrive by postal mail on or before the deadline.

- **1. Written pledge, certification**(forms specified by the University)
- **2. School registration form** (specified by the University)
- **3.** Certificate of graduation or completion and a list of the applicant's grades (original only)

 Only where the applicant took the examination before officially graduating from the previous school.
- **4. Notice of payment** (the form specified by the University)

If you are applying in Japan: The notice submitted to the Graduate School must contain a bank seal indicating that the money has been paid.

If you are applying from overseas: A bank check denominated in yen

5. Photograph

4 cm high x 3 cm wide, to be pasted onto the student ID card.

For documents 1~4,please send them by PDF files as well, in-rikou@aoyamagakuin.jp

Documents required to be submitted after entering the University.

- **6. Address registration form** (specified by the University)
- **7.** Certificate of residence or certificate of entry in the resident card (not necessary where the applicant has already submitted the form when filing an application)

The document should be issued within recent 3 months. The domicile of origin as well as the information of other family members are not necessary on your certificate of residence (certificate of entry in the resident card).

Notes: (1) Documents that have been submitted will not be returned under any circumstances.

(2) If any false statements are made in the application, the student's enrollment in the Graduate School will be nullified, even if the student has already enrolled.

[3] Tuition & Fees -for Academic Year 2020/2021

(Amounts in Japanese Yen)

	Master's Program		Remarks
	Entrance fee	290,000	Payment only in the student's first year
Sc	Tuition	333,000	Per semester (666,000 Yen/year)
hool (Facility and equipment usage fee	40,000	Per semester (80,000 Yen/year)
School expenses	Ongoing enrollment fee	50,000	Per semester (100,000 Yen/year)
ses	Educational activities fee	40,000	Per semester (80,000 Yen/year)
	Subtotal	753,000	
Me	Support group fee	2,500	Per semester (5,000 Yen/year)
Membership	* Alumni association fee	30,000	Payment only in the student's first year
ship f	Science and Engineering Society	2,000	Per semester (4,000 Yen/year)
fees	Subtotal	34,500	
	Total (1st installation)	787,500	Excluding the second semester tuition
	Total (1st year)	1,255,000	

^{*} The Alumni association fee (Registration fee 10,000 JPY and annual fee 5,000 JPY) may be fully refunded, if applied at the Alumni Association, at the time of withdrawal or expelled from the Graduate School.

Remarks

- 1. Revision of school expenses
- School expenses may be revised due to economic situations. In this case, the revised expenses may apply to students enrolled at that time.
- 2. Admission Withdrawal Request

If the successful applicants should decline his/her entrance to the Graduate School after he/she has completed the admission registration procedure, he/she should inform the Graduate School by September 12. In that case, fees excluding admission fee will be refunded. For details, please contact via email (<u>inrikou@aoyamagakuin.jp</u>) in advance.

Scholarships

Aoyama Gakuin University offers various types of scholarships. For details, including the scholarships offered by the outside institutions, please refer to the below website. http://www.aoyama.ac.jp/en/prospective/scholarships_support.html

Housing

The Graduate School owns a dormitory exclusive for International students. However, as the number of rooms is limited that not all International students may be permitted to move in. The admission permit to the Graduate School is issued regardless of whether or not the successful applicant needs to arrange for his/her dormitory. Please note that the successful applicant should look for his/her housing and take his/her necessary procedure on his/her own.

http://web.iec.aoyama.ac.jp/english/exchange/housing.html.

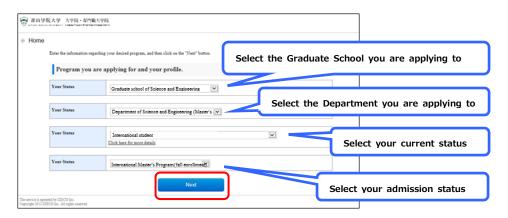
Payment by credit card

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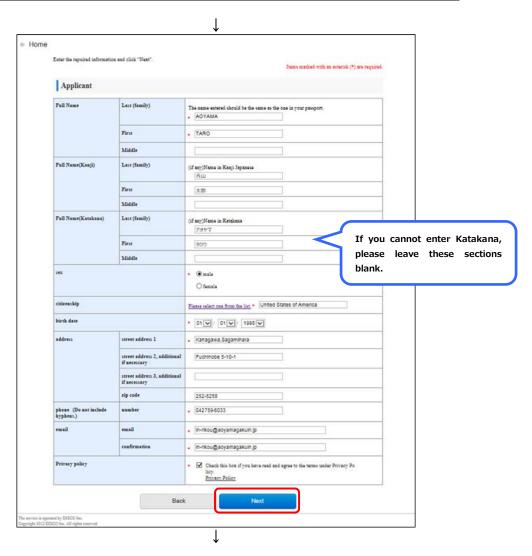
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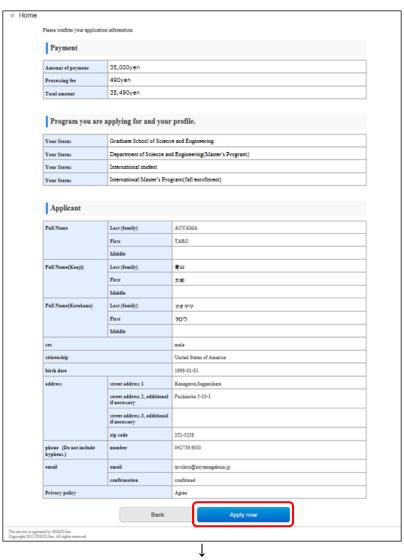


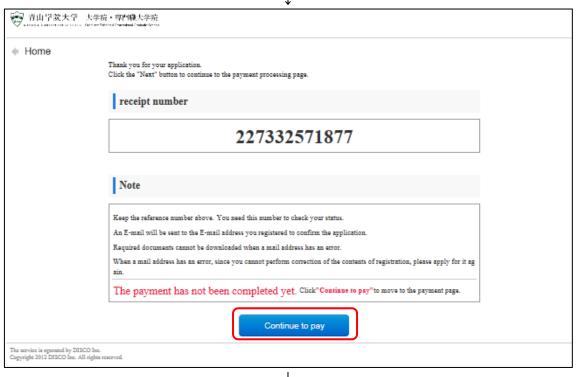




1 st Selection	Graduate School of Science and Engineering
2 nd Selection	Department of Science and Engineering(International Master's
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3 rd Selection	International student
4 th Selection	International Master's Program(Fall enrollment)







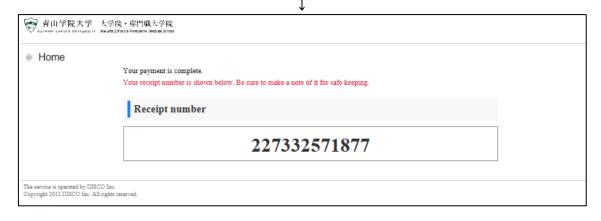


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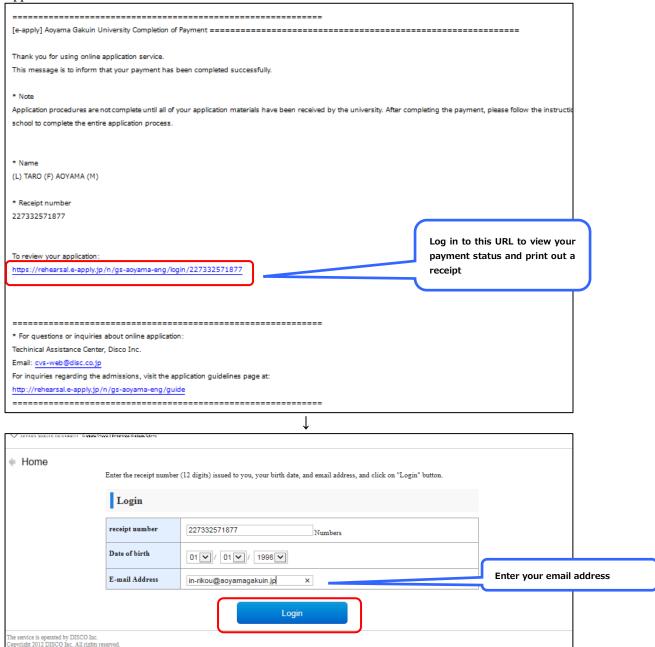






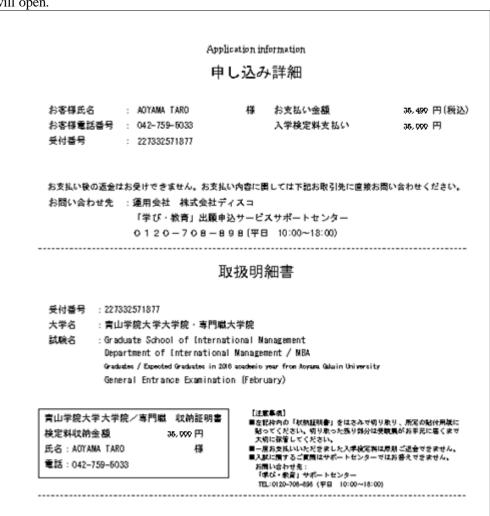


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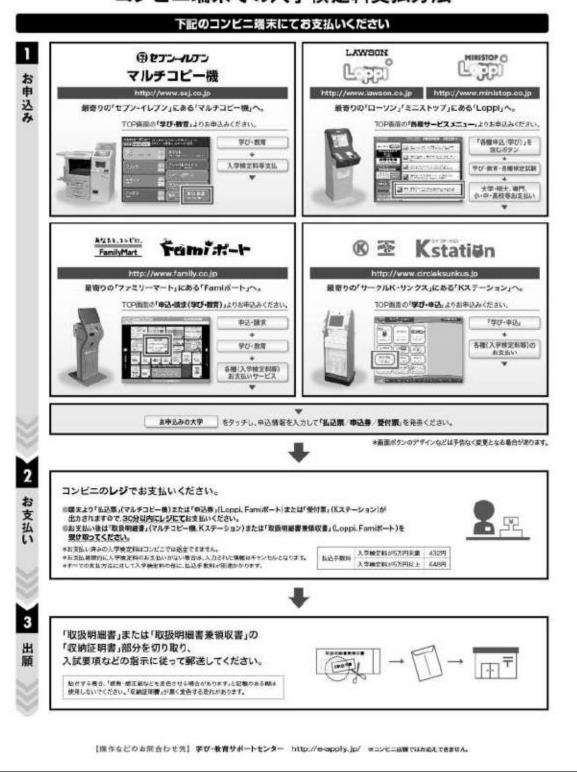
PDF file will open.



Please print this page and send it to the address written on page 8 together with other application documents.

Payment at a convenience store in Japan (in Japanese only)

コンビニ端末での入学検定料支払方法



The Salt of the Earth, the Light of the World
The Motto of Aoyama Gakuin

Graduate School of Science and Engineering Aoyama Gakuin University

5-10-1 Fuchinobe, Chuo-ku, Sagamihara City, Kanagawa 252-5258 E-mail:in-rikou@aoyamagakuin.jp Aoyama Gakuin University Graduate School of Science and Engineering APPLICATION FOR GRADUATE SCHOOL's International Master's Program

Application form 1					2020
Graduate School of Scienc		ing		*Please leav	e this box blank
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Home address					
Home phone number					
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Home fax number					
E-mail					
Educational background (state after		senior l	nigh school)	T	
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Aoyama Gakuin University Graduate School of Science and Engineering APPLICATION FOR GRADUATE SCHOOL's International Master's Program Application form - 2 2020

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Admission Ticket

Aoyama Gakuin University Graduate School of Science and Engineering International Master's Program

2020

Graduate School of Science and Engineering			*Please leave this box blank
Internation	Applicant No.		
Science and Engineering major			
Course			
Applicant's name			
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Cutoff line

LETTER OF RECOMMENDATION

Application for 2020 International Master's Program of the Graduate School of Science and Engineering, Aoyama Gakuin University

1.	nool of Science and Engineering, Aoyama Gakuin Univer
pplicant's name	Applicant No. *Please leave this box blank
ecommender Information	
Name	
Organization	
Title	Phone
Address	•
E-mail	
lease describe how long and in wh	at capacity you have known the applicant below.

^{*}After filling out this form, print it out and apply the signature. Then make this form in PDF file to send it to the below address by the attachment. Email: in-rikou@aoyamagakuin.jp

Examination Fee Payment Proof Affixing Form

*This form is not required if the applicant is living outside of Japan.

Dep	uate School of Science and Engineering artment of Science and Engineering ational Master's or Doctor's Program			Course
Applicant's Name	J	Applicant No.	*Please leave this box blank	

Please affix either of two proof of examination fee payment in the box provided below.

- ①【収納証明書】Credit card payment proof or the payment proof received at the convenience store in Japan
- ②【振込証明書】Proof of remittance (if paid at the bank in Japan)

①【収納証明書】

(Credit card payment proof or the payment proof received at the convenience store in Japan)

*Affix the proof using glue.

②【振込証明書】	(大学院提出用)
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(Proof of remittance)

*After making the payment at the bank, make sure that the bank's receipt seal is stamped on the receipt/proof. Please note that the receipt/proof is invalid if you have modified the amount on the payment slip.

Affix the proof using glue.

Graduate School of Science and Engineering

Aoyama Gakuin University