

**2016 and 2017 Academic Years**  
**Graduate School of Biosphere Science**  
**Hiroshima University**

**Application Guide for Admission**  
**Master's Program**

**Selection for Government-sponsored**  
**International Students**  
**For October 2016 and April 2017 Admissions**

**Entrance Examinations Schedule**

Admission Date	Application Period	Examination Date	Results Announcement
October 1, 2016 (Fall enrollment)	Jun.1 - 17, 2016	Jul. 4 - 15, 2016 One day between Jul. 4 and Jul. 15, 2016	Jul. 27, 2016
April 1, 2017 (Spring enrollment)	Jun.1 - 17, 2016	Jul. 4 - 15, 2016 One day between Jul. 4 and Jul. 15, 2016	Jul. 27, 2016
	Nov.7 - 18, 2016	Dec.5 - 16, 2016 One day between Dec. 5 and Dec. 16, 2016	Dec. 27, 2016

\* Applicants will be interviewed through the internet, such as on Skype.

\*\* Examination date and time will be fixed after arranging/adjusting schedules with applicants.

Note: Prior to application, please consult about your research programs with the expected academic supervisor. There may be change in the faculty members who recruit students. In such cases, information will be uploaded on the website of the graduate school, please confirm them before consultation.

**June 2016**  
**Hiroshima University**

## **Academic Vision**

The Graduate School of Biosphere Science aims to pursue programs of education and research that contribute to human welfare and peace through the scientific investigation of biosphere phenomena and the resolution of problems in order to achieve a harmonious coexistence of mankind and nature.

## **Aims**

The Graduate School of Biosphere Science seeks to gain a comprehensive and integrated understanding of biosphere phenomena and to train specialists and researchers capable of contributing to the sustainable development of regional and international communities through educational and research activities designed to promote the harmonious coexistence of humans and the environment. It is committed to responding positively to the demands of the times and the needs of our society by pursuing educational and research activities in accordance with the following aims:

- 1) To create and develop sustainable biological production activities in harmony with nature
- 2) To develop technologies for harnessing bioresources and their functions, and applying them to human lives
- 3) To develop technologies for forecasting, controlling, and evaluating recirculations in the biosphere

## **Admissions Policy**

The Graduate School of Biosphere Science seeks graduate students who take a keen interest in organisms and phenomena in the biosphere and associated fields of science, and who have a well-developed challenging spirit and the following qualities:

- 1) A strong interest in food production, including environmental protection and restoration for food production
- 2) A strong interest in the elucidation of various biological functions of organisms and their advanced utilization for food-related purposes
- 3) An ability to accurately understand problems and critically address them for effective problem-solving
- 4) Socially sound ethical views

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The Graduate School of Biosphere Science is comprised of the Department of Bioresource Science, the Department of Biofunctional Science and Technology, and the Department of Environmental Dynamics and Management. Each department offers educational programs to train promising researchers and specialists in the areas of biosphere science.

The Graduate School seeks students:

- (1) who have basic knowledge in biosphere science, and who have a definite purpose for studying at the Graduate School;
- (2) who are interested in environmental preservation, sustainable and eco-friendly ways of bio-production, and the effective use of bioresources, and who exhibit aspirations to engage in independent research programs; and
- (3) who plan to become researchers and engineers equipped with advanced technologies, capable of contributing to the sustainable development of their respective regions and to global society in terms of biosphere science principle.

## 1. Number of Students to Be Recruited and Venue for Examinations

### October 2016 Admission

Department	To Be Recruited	Examination Venue
Bioresource Science	Several	Graduate School of Biosphere Science, Hiroshima University (Faculty of Applied Biological Science)
Biofunctional Science and Technology	Several	
Environmental Dynamics and Management	Several	

### April 2017 Admission

Department	To Be Recruited	Examination Venue
Bioresource Science	About 15	Graduate School of Biosphere Science, Hiroshima University (Faculty of Applied Biological Science)
Biofunctional Science and Technology	About 12	
Environmental Dynamics and Management	About 9	

## 2. Applicant Eligibility

Applicants must satisfy the following qualifications (1) and (2):

- (1) Those who satisfy all of the following requirements
  - i) Should be candidates of the scholarships sponsored by their own governments.
  - ii) Should have English ability equivalent to or higher than the following scores: TOEIC® 600/TOEFL®-ITP 505/TOEFL®-iBT 64. The scores are valid for two years before the day of the entrance examination.
- (2) Those who satisfy one of the following qualifications:
  - i) Have graduated from a Japanese university;
  - ii) Have completed a 16-year educational program at a school outside Japan;
  - iii) Be expected to receive any of the above-mentioned qualifications by September 30, 2016 for October 2016 admission.
  - iv) Be expected to receive any of the above-mentioned qualifications by March 31, 2017 for April 2017 admission.

Be sure to contact the Student Support Office, Graduate School of Biosphere Science, Hiroshima University no later than one month before the application period, if you think you are recognized as having academic achievements to start master's program even though you do not receive any of the above-mentioned qualifications.

## 3. Application Procedures

### (1) Application methods

Applicants can choose either a “fully paper-based application” or a “partially online application”.

#### 1) Fully paper-based application (hereinafter referred to as “paper-based application”)

Applicants send all the necessary documents by post.

#### 2) Partially online application (hereinafter referred to as “online application”)

Applicants apply using online application system, and send the necessary documents by post.

Credit card payments can be accepted.

<How to apply > (see “Online Application” for details)

#### Step 1: Registration / Online Application

Enter the details for application.

Note: You need an account to enter the online application page. Please contact us (see the (3) below) prior to application.



#### Step 2: Pay the application fee

The payment deadline is **June 17, 2016, 23:59 (JST)**. (July Examination)

The payment deadline is **November 18, 2016, 23:59 (JST)**. (December Examination)

Note: Only credit card payments can be accepted for applicants from outside Japan.



#### Step 3: Post the Necessary Documents / Hardcopy Application Submission

After completing the online application, send the necessary documents by the international mail such as EMS/DHL to us.

Note: Regarding the necessary documents to be sent by post, check the (4) below.

For details, see “Online Application.”

**Starting here!** <https://www.univ.jp.com/hiroshima-u-en/portal/top/>

## (2) Application Period

### October Admission (July 2016 Examination) ]

#### From June 1 to 17, 2016

Applicants shall send all the necessary documents as an email attachment first, and then send all the necessary documents by post, the international mail such as EMS/DHL. Should ensure that they reach the office by June 17. Should they fail to reach the office by that date, however, those postmarked on or before June 10 will be accepted.

On the envelope, please write “Application for the Graduate School of Biosphere Science, Hiroshima University” in red ink.

### April Admission ] 【

\*Those applicants who wish to enter in April 2017 may apply for the examination(s) either in July 2016 or in December 2016, or both of them. Please confirm in advance your eligibility requirements for the examination.

#### (July 2016 Examination)

#### From June 1 to 17, 2016

Applicants shall send all the necessary documents as an email attachment first, and then send all the necessary documents by post, the international mail such as EMS/DHL. Should ensure that they reach the office by June 17. Should they fail to reach the office by that date, however, those postmarked on or before June 10 will be accepted.

On the envelope, please write “Application for the Graduate School of Biosphere Science, Hiroshima University” in red ink.

#### (December 2016 Examination)

#### From November 7 to 18, 2016

Applicants shall send all the necessary documents as an email attachment first, and then send all the necessary documents by post, the international mail such as EMS/DHL. Should ensure that they reach the office by November 18. Should they fail to reach the office by that date, however, those postmarked on or before November 12 will be accepted.

On the envelope, please write “Application for the Graduate School of Biosphere Science, Hiroshima University” in red ink.

## (3) Address for Submission of Application Documents:

Student Support Office, Graduate School of Biosphere Science, Hiroshima University

1-4-4 Kagamiyama, Higashi-Hiroshima, Hiroshima Prefecture, 739-8528 Japan

Tel: +81- (0) 82-424-7908

E-mail: sei-daigakuin-sien@office.hiroshima-u.ac.jp

**(4) Documents To Be Submitted**

<b>A</b>	<Paper-based Application> Application Form	(Use the specified forms.) Application Form, Curriculum vitae									
<b>B</b>	<Online Application> Application Document	(Use the specified forms.) Curriculum vitae									
<b>C</b>	Examination Admission Slip and ID Photograph Card	(Use the specified forms.) Should be prepared an identification photo, which should be upper-body, frontal and without a hat, taken within the last three months.(4 × 3.5 cm) Name and birthday should be written on the back, and the photograph should be pasted on the appointed place on the ID Photograph Card.									
<b>D</b>	Academic Transcripts	Should be prepared and signed by the president/dean of the university from which you have graduated and sealed securely.									
<b>E</b>	Certificate of (Expected) Graduation	Should be prepared and signed by the president/dean of the university from which you have graduated. *If you are a graduate or a current student of a university in China, please obtain the following document by requesting it at “ 历证书查询(CHSI)” ( <a href="http://www.chsi.com.cn/xlcx/bgys.jsp">http://www.chsi.com.cn/xlcx/bgys.jsp</a> ), and submit it to us together with “毕业证书(Certificate of Graduation” and “ 硕 士 证 书 (Bachelor/Master's Diploma)”. Graduates: Online Verification Report of Higher Education Qualification Certificate ( 历证书电 备 ) Expected Graduates: Online Verification Report of Student Record ( 线验证报 ) Please note that applicants must pay the issuing fee for the Online Verification Report (2 / certificate) by themselves. Also be sure that there are 15 or more days left until the expiration date of the online verification at the time of its submission.									
<b>F</b>	Score Certificate of TOEIC®/TOEFL®	The following certificates will be accepted: TOEIC®Test, TOEIC®-IP, TOEFL®-ITP, TOEFL®-iBT. The certificates are valid for two years.									
<b>G</b>	Reason for Application	(Use the official form) About 400 English words									
<b>H</b>	Examination Fee (30,000 yen)	<p>&lt;Paper based application&gt; Should send the examination fee to the following bank account. [Transfer destination] BANK NAME THE HIROSHIMA BANK LIMITED BRANCH NAME SAIJO ADDRESS 2-7,SAIJO SHOWA MACHI,HIGASHI-HIROSHIMA,JAPAN SWIFT CODE HIRO JP JT ACCOUNT NO 0169-051-3179524 THE NAME OF THE ACCOUNT HIROSHIMA UNIVERSITY . . . . . The transfer handling charge must be borne by the transferor. Please put the applicant's name and identification number, when you transfer the fees.</p> <table border="1" data-bbox="651 1794 1406 1939"> <thead> <tr> <th>Examination period</th> <th>Application Period</th> <th>Period of Bank transfer</th> </tr> </thead> <tbody> <tr> <td>July 2016</td> <td>June 1 –17, 2016</td> <td>June 1 –17, 2016</td> </tr> <tr> <td>December 2016</td> <td>November 7– 18, 2016</td> <td>November 7– 18, 2016</td> </tr> </tbody> </table> <p>&lt;Online application&gt; [For Applicants from <u>outside of Japan</u>] Only credit card payments can be accepted.</p>	Examination period	Application Period	Period of Bank transfer	July 2016	June 1 –17, 2016	June 1 –17, 2016	December 2016	November 7– 18, 2016	November 7– 18, 2016
Examination period	Application Period	Period of Bank transfer									
July 2016	June 1 –17, 2016	June 1 –17, 2016									
December 2016	November 7– 18, 2016	November 7– 18, 2016									

<b>I</b>	<Paper-based Application> Certificate of Examination Fee Payment	<Paper based application> Transfer/Remittance Confirmation Certificate of Examination Fee Payment should be sent.
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**Notes:**

- 1) <Paper based application> Submit “A”, and “C” to “T” together during the application period.  
 <Online application> Submit “B” to “H” together during the application period.  
 \*Graduates (expected graduates) from the Faculty of Applied Biological Science, Hiroshima University do not need to submit documents D or E.
- 2) If you have specific reasons for being unable to submit documents D and/or E, you may submit alternative documents.

#### 4. Examination Date and Time

##### July 2016 Examination

Examination Date	Examination	Time
July 4 – 15, 2016 One day between July 4 and 15, 2016*	Interview** (about 30 minutes/person)	TBD*

##### December 2016 Examination

Examination Date	Examination	Time
December 5 – 16, 2016 One day between December 5 and 16, 2016*	Interview** (about 30 minutes/person)	TBD*

\* Examination dates and time will be notified individually after adjusting schedules.

\*\* Applicants will be interviewed through the internet, such as on Skype.

#### 5. Screening Methods and Criteria

Screening will be based on the results of an examination (interview) through the internet, such as on Skype. Your academic transcripts, reason for application, and English proficiency will be reflected in the interview.

In the interview, your understanding of your own graduation thesis and your specialized subject, motivation for studying at the Graduate School, and purpose of research will be discussed and evaluated.

#### 6. Announcement of Successful Applicants

Examination Period	Announcement Date
July 2016 Examination	July 27, 2016
December 2016 Examination	December 27, 2016

\* The Graduate School will send letters of the result to applicants.

The office will not accept inquiries by phone regarding the results of the examinations.



## 7. Enrollment Fee and Tuition Fee

### Payment

< October 2016 admission >

Enrollment Fee: ¥282,000

Tuition: ¥535,800 per year (or ¥267,900 per semester)

- (1) The enrollment fee, once paid, will not be refunded for any reason.
- (2) If tuition is changed, students must pay the new tuition from the revision.
- (3) Details of enrollment procedures, which will be conducted in mid-September 2016, will be notified later to successful applicants.

< April 2017 admission >

Enrollment Fee: ¥282,000

Annual Tuition Fee: ¥535,800 per year (¥267,900 per semester)

- (1) The enrollment fee, once paid, will not be refunded for any reason.
- (2) The enrollment fee and tuition shown above were correct as of April 2016. If they are changed, students must pay the revised amount.
- (3) Details of enrollment procedures, which will be conducted in mid-March 2017, will be notified later to successful applicants.

## 8. Hiroshima University Excellent Student Scholarships

To inspire students to study hard and to foster excellent human resources, Hiroshima University institutes its own scholarship system that supports students who show excellent performances at their research achievement and so on.

## 9. Personal Information

Your personal information (name, date of birth, sex, etc.) provided for screening will be used solely for the purpose of screening, announcement of results, and enrollment procedures. After your enrollment, the University will manage the information to use it for student support activities (filing applications for scholarships and for waiving/discounting tuitions, etc.), and survey and research activities (for instance, surveys and analyses of applicants in order to improve screening systems). The University shall neither appropriate the information for any other purpose nor provide it to individuals/groups other than faculty or staff members of the University.

For the outsourcing of personal information processing, the University has appropriate instructions to the contractors to safely manage the personal information when it concludes an outsourcing agreement in accordance with the relevant legislation.

## 10. Additional Notices

- (1) **Prior to application, please consult about your research programs with a faculty member under whom you wish to study.** (<http://www.hiroshima-u.ac.jp/gsbs/index.html>)

Those students who are willing to study at one of our Cooperative Institutes have to acquire ten or more credits at the Higashi(m)22(o)5(4.)TJ /ons/g5(n)2(d)13 1g5-4(pu3(os.5(r)1(m)Tu w)-4(h)1(e)-n)2(c1(e)-1(r)e1(c)d)1itsareouto b4(h)1(e)

- (4) Any forgery or falsification of the documents and/or academic fraud would result in cancellation of acceptance even after passing examination or admission.
- (5) If an applicant could not graduate from the university before the admission date, he/she would lose the eligibility to enter our graduate school in this session.
- (6) Application Guidelines and other related documents can be downloaded from the website of the Graduate School of Biosphere Science, Hiroshima University. However, the bank transfer slip for examination fees cannot be downloaded. Please request the bank transfer slip to the student support office.
- (7) For further information, please contact:

Student Support Office, the Graduate School of Biosphere Science, Hiroshima University  
1-4-4 Kagamiyama, Higashi-Hiroshima,  
Hiroshima Prefecture 739-8528 Japan  
(Tel: +81-(0)82-424-7908)  
E-mail: sei-daigakuin-sien@office.hiroshima-u.ac.jp

## **1 Procedure of Online Application**

## 8 Initial registration process complete

### The Online Application Procedure is not Completed yet

Your **Application Number** not identical to the examinee's number will be issued. Do not miss to make a note of it, or to print the on-screen information.

The application number is needed for confirming the application details later, and for sending the application documents by post.

Those who choose convenience stores or ATM Pay-easy as the method of payment, please make a note of the **information needed for the payment of the application fee (various numbers)**

## 9 Send the Application Documents by post

### ① Prepare an envelope for sending For applications from **inside** Japan

From the registration completion screen, open the label of address and print it. Paste the printed label on an envelope (Square Type 2; 24cm×33.2cm).

It is strongly recommended that you print the label of the address to be pasted on the envelope. If it's

**Prepare an envelope for sending For applications from outside Japan**

Write the information provided on the label (the postal code, the address and the addressee of the graduate school of your choice, the application number, the examination type, the name of major, etc. of your choice, and the postal code, the address, and the name of the applicant) directly on the envelope. Those who use services such as EMS and cannot find any remarks columns on the labels, write the application number next to the applicant's name, and the examination type and the name of major, etc. next to the address of Hiroshima University with these in parentheses (See figure below).

Tel no.		Tel no.	082-424-
From	<u>(the application number)</u>	To	Graduate school of , Hiroshima university <u>(the examination type and the name of major, etc.)</u>
Address	1-2-3 town <input type="checkbox"/> city ●● country	Address	1-3- , Kagamiyama Higashihiroshima city Japan Post code : 739-

**Check the application documents to be sent by post**

Documents to be submitted and other confirmation items, etc.	Subjects
A picture: 4 (length) x 3 (width) Note A picture of the upper half of the body, without head coverings and showing you facing the camera. The photograph (monochrome/color) must be not more than 3 months old. Write your application number, name and the date of your birth on the back of the picture.	All applicants Those who uploaded a picture in their online application procedures do not have to submit it.

Note 1 About the “envelope for sending the examination admission slip, etc.” Write the applicant's name and address (**as the destination**) on a long type 3 envelope (12cm x 23.5cm), and **paste 92 yen worth of stamps on it.**

Applicants from outside of Japan have to use international reply coupons instead of the "92 yen worth of stamps". Please enclose

## 10 Payment of the Application Fee

Make a payment following the payment method you've selected in the procedure " (7) Enter Payment Information". As for the detailed method of payment, please consult the "payment method ( )" page provided after completion of the application registration.

The application fee once remitted will not be refunded. As for applicants who satisfy the requirements described in Page 4 of this guideline ("Application fee" section : "Precautions about application fee ( )"), read the descriptions carefully and follow the instructions.

**In addition to the application fee, you need to pay ¥500 as the processing fee.**

The amount of processing fee is the same regardless of the way of payment (Credit Card / Convenience Store / Banking facilities' ATM [Pay-easy] / Online Banking).

**For applications from outside of Japan, only credit card payments can be accepted.**

### ① Credit Card For applications from **inside/ outside Japan**

**The settlement is completed at the completion of application registration.**

You can make a payment using any credit cards whose logo marks are shown in the right table.

Please prepare a credit card before application.

**The name of the credit card account holder does not necessarily need to be identical to the name of the applicant.**







**A lump sum payment is required.** Before using a credit card, please check the usage limit.

Name	Logo
VISA	
MasterCard	
JCB	
AMERICAN EXPRESS	

### ② Convenience Store For applications from **inside Japan**

**Make a payment in cash.**

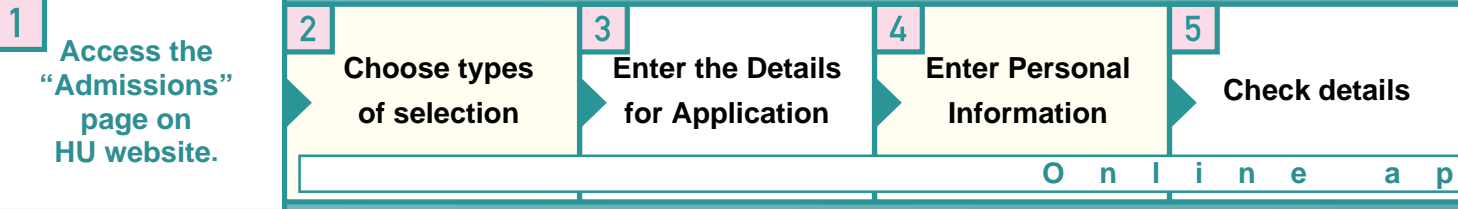
Payment procedure

7-Eleven 	Tell a salesclerk at the register your payment slip number (" -Haraikomihyou-bango-" *1), or submit the printed payment slip ( -Haraikomihyou-) to the salesclerk. Pay in cash (*2). (*1) The payment slip number is displayed after clicking on the button "Display the payment slip ( -Haraikomihyou-wo-hyoujisuru-)" at the application registration completion screen. This number is needed to make a payment. (*2) Do not use a multi-functional copy machine for the payment.
LAWSON, MINISTOP 	Make a payment in cash at the register after completing the procedure with "Loppi".
FamilyMart, 	Make a payment in cash at the register after completing the procedure with "Fami-port".
CircleKSunkus 	Make a payment at the register after completing the procedure with "Karuwaza-station".
Daily Yamazaki, Three F 	Tell a salesclerk at the register that you would like to pay by "online settlement". After that, make a payment in cash.
Seicomart 	Make a payment in cash at the register after completing the procedure with "Club Station".









## Online application available (English version)

- Master's or Doctoral courses at Graduate school
- International research student
- University transfer as a 3rd-year student for Bachelor's degree courses



Starting here!

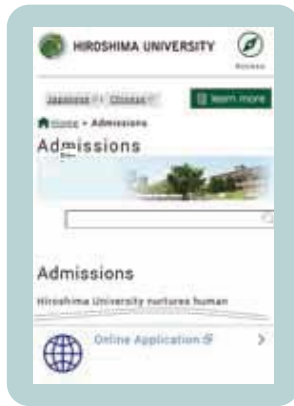
<HU website>

<http://en.hiroshima-u.jp/top/nyugaku>

### 1 Access the "Admissions" page on Hiroshima University website and click "Online Application."



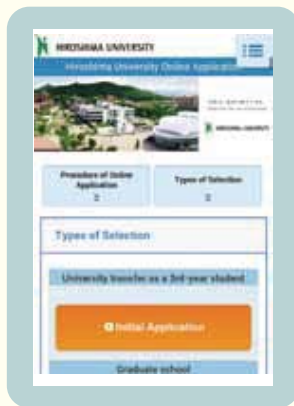
<The image of screenshot on smartphone>



#### Point!

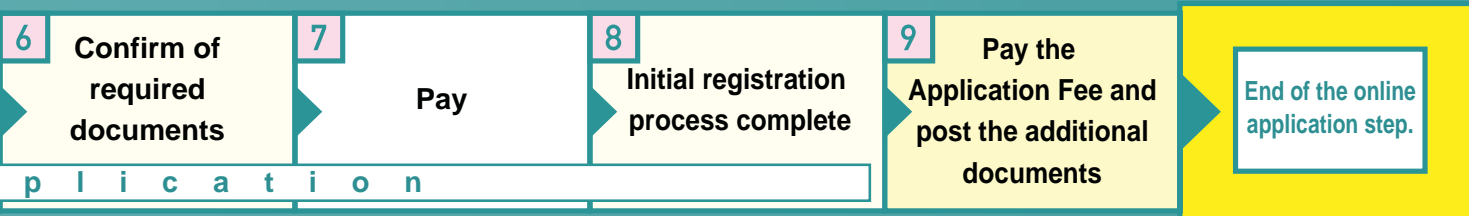
- Q** Do I need to have a printer to apply online?
- A** Yes. Access to a printer is required because it is necessary to download and print out application documents (forms prescribed by the university) from the online application portal site.

### 2 Choose types of selection you are applying for.



#### Point!

- If you click above the [application guidelines], the page to download admission requirements will be displayed.



### 3 Enter the Details for Application after Acceptance of Terms of Use and Terms & Conditions regarding Handling of Personal Information

**Point!**

Choose Examination type, Graduate School or Major, etc. by referring to application guidelines.

### 4 Enter Personal Information

**Point!**

**Q** Can I use my cell phone email or a free email address like a Yahoo or Gmail account?

**A** Yes. The email address you supply will be used to acknowledge completion of initial registration and receipt of application fee. Make sure that you receive these emails by adding the domain @univ-jp.com to your safe senders list.

### 5 Check details

**Point!**

**Q** What shall I do if I make a mistake in my application? Is there some way of correcting it after I've completed the initial application?

**A** If you make a mistake when completing the online form, an error message is displayed and you will not be able to proceed to the next screen.

6



9



## List of Specialized Subjects for Examinations

### Department of Bioresource Science

Specialized Subject (Laboratory)	Keywords of Specialized Subjects for Examinations
Animal Breeding and Genetics	Domesticated animal, Poultry, Experimental animal, Genetics, Heredity, Breeding, Breed, Mutation, Genome analysis, Mitochondria genome, Genetic diversity, Genetic relationship, Phylogenetic tree, Molecular evolution, DNA marker, Gene expression
Animal Reproduction	Germ cells, Follicular development, Ovulation, Fertilization, Sexual hormones, Embryo manipulation
Animal Nutrition and Feeding	Feed evaluation, Digestion, Energy metabolism, Protein metabolism, Carbohydrate metabolism, Metabolic regulation
Animal Behavior and Physiology	Milk, meat and egg production, Thermal environment, Thermoregulation, Stress theory, Behavior and brain function
Animal Histophysiology	Nervous system, Endocrine organs, Digestive organs, Urinary organs, Reproductive organs, Lymphoid organs, Structure and function
Fish Neurobiology	Fish physiology, Brain function, Swimming, Animal behavior, Biological psychology, Neurophysiology
Aquatic Pathology	Fish diseases, Infectious diseases of fish and shellfish, Parasitic diseases of fish and shellfish, Fish-pathogenic microorganisms, Fish defenses against infection, Microorganisms, Immunity
Benthos Ecology	Survival Strategy, Biodiversity, Benthos
Biology of Aquatic Resources	Social system, Foraging and mating tactics, Life history strategy, Sex allocation, Recruitment variability, Predator-prey interaction
Aquatic Biochemistry	Protein, Gene, Instrumental analysis, Bioactive substance, Hormone
Aquaculture	Aquaculture, Stock enhancement, Release techniques, Fish genetics
Aquatic Botany	Algology/Phycology, Aquatic plant taxonomy, Coastal resource management, Limnology, Museum studies, Phytogeography
Food Production Management	Sustainable use of food resources, Food security, Food trade, Policy for agriculture and fisheries, Unfavourable conditions of production, Group for production, Multi-functionality
Agricultural Marketing	Food issues, Agricultural Product market, Dietary life, Food distribution, Co-operatives, Agricultural trade, Agricultural organizations, Community development, Organic agriculture
Terrestrial Field Science	Human-animal relationships, Animal welfare, Animal assisted education, Animal behavior, Field science, Animal production system, Nutrient cycling, Grazing, Dairy cows, Beef cattle, Pigs, Dairy production, Health of dairy cows
Aquatic Field Science	Zooplankton, Symbiont, Cnidaria, Life cycle, Evolution, Phylogeny, Alien, Seaweed, Sea desert, Climate change, Aquaculture, Fish early life history, Recruitment mechanism, Migration, Fish community, Estuary, Seagrass bed, Ecosystem services, Species diversity



# Department of Environmental Dynamics and Management

Specialized Subject  
(Laboratory)

Keywords of Specialized Subjects for Examinations

Land-Atmosphere Interactions	Material cycle, Ecosystem ecology, Forest ecology, River ecology, Soil microorganisms
Atmosphere-Hydrosphere Interactions	Environmental chemistry (Chemistry of atmosphere and hydrosphere, Hazardous effects of pollutants on human health and vegetation) Analytical chemistry (Chemical equilibria, Instrumental analysis)
Aquatic Ecosystem Management	Biogeochemical cycles, Lower trophic ecosystem, Food web., Oceanographic environments, Environmental restoration
Plant Nutritional Physiology	Photosynthesis and plant nutrition

## List of Academic Supervisor

### Department of Bioresource Science

Division	Laboratory	Faculty Member
Animal Science	Animal Breeding and Genetics	Masaoki TSUDZUKI
		Masahide NISHIBORI
	Animal Reproduction	Teruo MAEDA
		Masayuki SHIMADA
		Yumi HOSHINO
	Animal Nutrition and Feeding	Taketo OBITSU
		Toshihisa SUGINO
	Animal Behavior and Physiology	Takashi BUNGO
		Shin-ichi KAWAKAMI
	Animal Histophysiology	Yukinori YOSHIMURA
		Naoki ISOBE
	Aquatic Biology	Fish Neurobiology
Masayuki YOSHIDA		
Aquatic Pathology		Toshihiro NAKAI
		Yasushi OKINAKA
Benthos Ecology		Koichiro KAWAI
		Hidetoshi SAITOU
Biology of Aquatic Resources		Yoichi SAKAI
		Takeshi TOMIYAMA
Aquatic Biochemistry		Hisato KUNIYOSHI
Aquaculture		Kazuya NAGASAWA
		Tetsuya UMINO
	Kaori WAKABAYASHI	
Aquatic Botany	Lawrence M. Liao	
Food and Resource Economics	Food Production Management	Masahiro YAMAO
		Kenji HOSONO
	Agricultural Marketing	Hideki TANAKA
		Hajime KOBAYASHI
Field Science in Setouchi Areas	Terrestrial Field Science	Hajime TANIDA
		Yuzo KUROKAWA
	Aquatic Field Science	Susumu OHTSUKA
		Jun SHOJI
		Aki KATO

(Note) Faculty members marked with do not recruit students at this time.

(Note) Faculty members marked with are going to retire in March, 2018.

## List of Academic Supervisor

### Department of Biofunctional Science and Technology

Division	Laboratory	Faculty Member	
Molecular and Applied Biosciences	Immunobiology	Shuichi FURUSAWA	
		Hiroyuki HORIUCHI	
	Enzyme Chemistry	Muneharu ESAKA	
		Yukichi FUJIKAWA	
	Microbial Biochemistry	Yoshihiro SAMBONGI	
		Kouichi FUNATO	
	Ecological Biochemistry	Shinji OHTA	
		Hisashi OMURA	
	Biological Chemistry	Noriaki SHIMIZU	
		Keizo TESHIMA	
	Food Science and Biofunctions	Marine Bioresource Chemistry	Manabu ASAKAWA
			Makoto HIRAYAMA
Food Chemistry		Takuya SUZUKI	
Biomolecular Physical Chemistry		Satoru UENO	
		Hironori HONDO	
Food Engineering		Yoshio HAGURA	
		Kiyoshi KAWAI	
Food Microbiology and Hygiene		Hiroyuki NAKANO	
		Tadashi SHIMAMOTO	
Molecular Nutrition		Norihisa KATO	
		Noriyuki YANAKA	
Brewing Science and Technology ( )		Tsutomu FUJII	
		Kazuo MASAKI	
		Masaki OKUDA	

(Note) Faculty members marked with ( ) do not recruit students at this time.







# AY 2016 2017: Application Form for Master's Program of the Graduate School of Biosphere Science, Hiroshima University

**July 2016 Exam / December 2016 Exam**

Applicant ID No.	
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Katakana				<div style="border: 1px solid black; padding: 10px; text-align: center;">         Paste an identification photo, which should be upper-body, frontal and without a hat, taken within the last three months. (4 cm × 3 cm)       </div>
Name				
Date of birth	Year	Month	Day	
M/F	Male / Female	Age	years old	
Department in which you wish to enroll	Department of			
Laboratory				
Expected academic supervisor				
Enrollment period	October 2016* . . . . . April 2017*			
Examination subject	Specialized subject			
Educational background	Department/ Course name			
	Graduate School/ Faculty name			
	University/ College/ Junior College name			
	Graduated/expected to graduate on:     /     /     Graduated     Expected (YYYY / MM / DD)			
Contact information	For sending the result of the screening	Zip code		
		(Address)		
	TEL . . . . .			
	e-mail			
Other contact information	Zip code			
	(Address)			
TEL . . . . .				
e-mail				

### Notices in filling the Application Form

- 1: Prior to application, please consult about your research programs with the expected academic supervisor.
- 2: Do not fill in the column marked with .
- 3: In the columns regarding "M/F" and "Educational background," please choose and check the appropriate items.
- 4: For your age, write your age as of October 1, 2016 for October 2016 admission and April 1, 2017 for April 2017 admission.
- 5: Please offer detailed contact information. (If you board at someone's house, write his/her family name.)

# Curriculum Vitae

## Educational Background

	Name and Address of School	Officially Required Years for Graduation	Year and Month of Entrance and Graduation	Duration of Attendances	Diploma or Degree Awarded, skipper years/levels	
Primary Education	Name		From(YYYY.MM)	years		
	Location		To (YYYY.MM)			months
Elementary School		years				
Secondary Education	Name		From(YYYY.MM)	years		
	Location		To (YYYY.MM)			months
Middle School		years				
High School	Name		From(YYYY.MM)	years		
	Location		To (YYYY.MM)			months
		years				
Tertiary Education	Name		From(YYYY.MM)	years		
	Name of Department		To (YYYY.MM)			months
Undergraduate	Location	years				
Graduate	Name		From(YYYY.MM)	years		
	Name of Department		To (YYYY.MM)			months
	Location					
		years				
Total years of schooling mentioned above				years		
				months		
		years				

\*We might check up your final educational record by contacting the school you have graduated from or you are now belonging to. Please fill out the contact information as a reference for your educational background including the name of your supervisor.

(Reference)

Address			
Phone Number		E-mail address	
Name of the person in charge		Name of your supervisor	

# Curriculum Vitae Online Application

## Educational Background

	Name and Address of School	Officially Required Years for Graduation	Year and Month of Entrance and Graduation	Duration of Attendances	Diploma or Degree Awarded, skipper years/levels
Primary Education	Name		From(YYYY.MM)	years	
	Location		To (YYYY.MM)	months	
Elementary School		years			
Secondary Education	Name		From(YYYY.MM)	years	
	Location		To (YYYY.MM)	months	
Middle School		years			

**AY 2016 2017: Selection for Government-sponsored International Students  
The Graduate School of Biosphere Science, Hiroshima University  
(Master's Program)**

**Examination Admission Slip (July Exam / December Exam)**

No.	
Department	Department of
Name	
Examination venue	Graduate School of Biosphere Science, Hiroshima University (Faculty of Applied Biological Science)

n49 f 0m ( )Tj ET EMe)-0-0

**Examination Date and Time**

Examination Date	Examination	Time
(July Exam) July 4 – 15, 2016* One day between July 4 and 15, 2016  (December Exam) December 5 – 16, 2016* One day between December 5 to 16, 2016	Interview** (About 30 minutes/person)	TBD*

**\* Examination dates and time will be notified individually after adjusting schedules.**

**\*\* Applicants will be interviewed through the internet, such as on Skype.**

