佐賀大学大学院理工学研究科・先進健康科学研究科
環境・エネルギー・健康科学グローバル教育プログラム
博士前期・修士課程（外国人留学生－在外）
学生募集要項

Guide for the Application for the Foreign Students of Education Program for Global Advancement (EPGA) in Environmental, Energy and Health Science

(Master Course)

October , 2022
April , 2023

Enrollment	Application Deadline	Announce of Results
October 1, 2022	June 3, 2022	July, 2022
April 1, 2023	November 25, 2022	January, 2023

Graduate School of Science and Engineering
Graduate School of Advanced Health Science
SAGA UNIVERSITY

Personal Information Use

In accordance with enforcement of the Act on the Protection of Personal Information Held by Independent Administrative Agencies, personal information written on the application form submitted by applicants is utilized for educational purpose (including exemption of entrance and tuition fees, payment extension of entrance fee, and scholarship) as well as the selection of applicants by entrance examinations (including additional business such as statistical transaction).

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Education Program for Global Advancement (EPGA)
in Environmental, Energy and Health Science

(Master Course)

October , 2022
April , 2023

CONTENTS

GUIDE FOR THE APPLICATION FOR THE FOREIGN STUDENTS OF EDUCATION PROGRAM FOR GLOBAL ADVANCEMENT (EPGA) IN ENVIRONMENTAL, ENERGY AND HEALTH SCIENCE

The Education Program for Global Advancement (EPGA) in Environmental, Energy and Health Science provides all lectures, seminars, and internships, etc. on global environmental, energy problems and health expertise in English for both foreign and Japanese students. Students from overseas can learn and study completely in Japan without a hurdle of Japanese language. The EPGA is an educational course in the Graduate School of Science and Engineering and Graduate School of Advanced Health Science, Saga University, that started in October 2020, in order to bring up global researchers and engineers who will contribute to the environmental, energy and health science. This is a call for application to a two-year Master Course for the academic year of October, 2022 and April 2023.

The wisdom that mankind has created by the academic deepening has brought humanity a prosperous life through developing science and technology. To improve science and technology, it is necessary to spread health sciences in addition to efforts from the viewpoint of environmental and energy conservation. Educational study of the environmental, energy and health science should be performed from the all-round and global viewpoint. The EPGA has been established in the Graduate School of Science and Engineering and Graduate School of Advanced Health Science in order to discuss and solve environmental, energy and health problems. The scope and goal of this EPGA is the education for students to possess an all-round insight for the environment, energy and health science from the global point of view after their completion by acquiring knowledge and thinking power.

In the Master Course program of the EPGA, education and research guidance of the fields are given by the Advanced Materials Chemistry Course, Energy and Mechanical Engineering Course, Mechanical Systems Engineering Course, Electrical and Electronic Engineering Course, Civil Engineering Course, Architectural Design Course, Biomedical Engineering Course, and Functional Biomolecular Science Course in the Graduate School of Science and Engineering and Graduate School of Advanced Health Science. Applicants should decide the research fields and choose prospective relevant supervisor(s) appearing on the List of Academic Staffs.

Students who complete the Master Course program of the EPGA are granted the Master's Degree (Master of Science or Master of Engineering). The month of entrance is October, 2022 or April, 2023 and they can enter the EPGA course immediately after completing their Bachelor program in their country without learning of Japanese language.

QUALIFICATIONS

* For applicants who wish to enroll in April 2023, please replace "September 2022" with "March 2023".

1. **Applicants:** Non-Japanese citizens arriving from foreign countries to attend this program can apply.
2. **Academic career:** The following candidates may apply for admission.
   a. Those who have received Bachelor's Degree from Japanese University.
   b. Those who have received Bachelor's Degree after completing 16 years course of school education in foreign country, or will receive it as of September, 2022.
   c. Those who have completed 16 years course of school education of foreign country in Japan through correspondence education of a foreign school, or will complete the course as of September, 2022.
   d. Those who have completed 16 years course of school education of foreign country at educational institutions of the foreign country in Japan, which is designated by the Minister of Education, Culture, Sports, Science and Technology of the Japanese Government, or will complete the course as of September, 2022.
   e. Those who have completed 15 years course of school education in foreign country, and been admitted by the Graduate School of Science and Engineering, Saga University to obtain sufficient credits with excellent score.
   f. Those who have been designated by the Minister of Education, Culture, Sports, Science and Technology of the Japanese Government.

佐賀大学大学院理工学研究科・先進健康科学研究科
環境・エネルギー・健康科学グローバル教育プログラム博士前期・修士課程
私費留学生募集要項

佐賀大学大学院理工学研究科・先進健康科学研究科環境・エネルギー・健康科学グローバル教育プログラム（EPGA）は，外国人留学生と日本人学生が共学し，世界的な環境とエネルギー及び健康問題の解決に関する講義，セミナー，およびインターンシップ研修などの教育カリキュラムを全て英語で実施します。外国人留学生は，日本語の習得の障壁なく日本で充実した教育を受け研究を行い，一層の修業成果を上げることができます。EPGA は，環境・エネルギー・健康科学に貢献するグローバルな研究者や技術者を育成するため，2020 年 10 月にスタートしました。ここに，2022 年 10 月入学，2023 年 4 月入学の博士前期・修士課程（2 年間）の学生を募集します。

学問の深化により人類が生み出した英知は，科学技術を発展させることで人類に豊かな生活をもたらしています。科学技術の向上には，環境・エネルギー保全の観点からの取り組みに加え，健康科学の普及も必要です。環境・エネルギー・健康科学の教育研究は，総合的にしかも世界的な視野に立って取り組まなければなりません。EPGA は，環境・エネルギー・健康問題を議論し解決するために理工学研究科及び先進健康科学研究科に発足しました。修了後，工学系分野および医工学系分野の知識と思考力を持ち，環境・エネルギー・健康科学について世界的な視野で総合的に洞察できる学生を育成することを目的としています。

EPGA 博士前期・修士課程プログラムは，理工学研究科および先進健康科学研究科の機能材料化学コース，機械エネルギー工学コース，機械システム工学コース，電気電子工学コース，都市基盤工学コース，建築環境デザインコース，生体医工学コース，健康機能分子化学コースにおいて教育と研究指導が行われます。志願者は教員リストに記載されている指導教員のうちから，希望する研究分野を決定し，希望する指導教員を選んでください。

EPGA の博士前期・修士課程修了者には修士（理学，工学のいずれか）の学位が与えられます。なお，本申請による入学は 2022 年 10 月もしくは 2023 年 4 月であり，外国で大学（学部）修了後直ちに日本語の教育を受けることなく入学することができます。

応募資格

＊2023 年 4 月入学希望者は「2022 年 9 月」を「2023 年 3 月」と読み替えるものとします。

１．国籍：日本国籍を有しない者で，日本国外から留学する者

２．学歴：下記のいずれかに該当する者

a. 日本の大学から学士の学位を授与された者
b. 外国において，学校教育における 16 年の課程を修了し，学士の学位を授与された者又は 2022 年 9 月までに修了見込みの者
c. 外国の学校が行う通信教育における授業科目を我が国において履修することにより当該外国の学校教育における 16 年の課程を修了した者又は 2022 年 9 月までに修了見込みの者。
d. 我が国において，外国の大学の課程（その修了者が当該外国の学校教育における 16 年の課程を修了したとされるものに限る。）を有するものとして当該外国の学校教育制度において位置付けられた教育施設であって，文部科学大臣が別に指定するものの当該課程を修了した者又は 2022 年 9 月までに修了見込みの者。
e. 外国において学校教育における 15 年の課程を修了した者で，本学大学院において，

g. Those who are 22 years old or more as of September, 2022, and are admitted by the Graduate School of Saga University as that their academic abilities are equivalent to or higher than Bachelor's Degree of Japanese Universities upon reviewing the submitted materials.

3. **Health:** Applicants should be in good health both mentally and physically.
4. **Language proficiency:** A good working level of English is required.
5. **Arrival in Japan:** Applicants should arrive in Japan by September 2022, if admitted.

Remarks

1) Military personnel and civilian employees of the armed forces are not eligible.
2) Admission shall be canceled if the applicant fails to arrive in Japan by September, 2022.
3) Admission shall be canceled if the applicant fails to receive the Bachelor's Degree on or before September, 2022.
4) If you are handicapped and hope the special care about the entrance examination or the study in Japan, please consult with the entrance examination office before the application.

ENROLLMENT AND TUITION EXPENSES

1. **Entrance examination fee:** 30,000 Yen.
2. **Entrance fee:** 282,000 Yen
3. **Tuition fee:** 267,900 Yen for each semester (scheduled). [535,800 Yen per academic year (scheduled).] However, a new tuition fee should have to be paid when the fee is revised during studentship.

   Payments must be done for each semester biannually within the beginning two months of the semester.

   For the information on the tuition assistance, exemption subsidization, and scholarships is available at the Benefits section in the following pages.
4. **Date of enrollment:** Date of enrollment is October 1, 2022 or April 1, 2023.

SELECTION AND ADMISSION

1. Applicants who have excellent record will take an interview or an Internet interview by their desired Advisory Professor (Supervisor) after all-round judgment of submitted papers.
2. Applicants shall be examined by the Screening Committee of the EPGA. Only those who have a solid academic background, research capability and commitment will be selected as a successful candidate. Final result of the selection will be notified in July 2022 for applicants applying for admission in October, 2022, and in January 2023 for applicants applying for admission in April 2023.
3. 4 candidates will be selected from applicants for admission in October 2022 and April 2023, respectively.

APPLICATION PROCEDURE

1. Applicants should prepare the following documents to be forwarded to the Entrance Examination Office, Saga University.

   * For applicants who wish to enroll in April 2023, please replace "September 2022" with "March 2023".

   ① **Application Form** (Form A).
   ② **Field of Study and Study Program** (Form B). (This should be printed on both sides.)
   ③ Official transcript of **Bachelor's Degree** or certification of **Bachelor's Degree.** If applicant is a student now, certificate that the applicant will be provided Bachelor's Degree before September, 2022.
   ④ Transcripts of **Academic Record** issued by the university authorities and its English translation. (The criteria of academic assessment should be also shown.)
   ⑤ English summary of **Bachelor Thesis** or it's equivalent if available, not exceeding four sheets of A4 size paper typed in double space. When a Bachelor Thesis is not required by the University from which the applicant graduated, prepare a statement to that effect.
   ⑥ Certificate of **Citizenship** issued by the appropriate authorities.

所定の単位を優れた成績をもって修得したものと認めた者

f. 文部科学大臣の指定した者

g. 本学大学院において，個別の入学資格審査により，日本の大学を卒業した者と同等以上の学力があると認めた者で，2022 年 9 月において満 22 歳に達した者

３．健康状態：心身ともに健全な者

４．語学力：英語の能力が十分な者

５．渡日：合格した場合，2022 年 9 月までに渡日可能な者

注

１）現役軍人や軍属の資格の者は出願できません。

２）2022 年 9 月までに渡日をしなければ入学は取り消されます。

３）学士の学位を取得見込みの者で，合格したものは，2022 年 9 月までに学位を取得できなければ，入学を取り消します。

４）障がい等を有する志願者で，受験上及び就学上の配慮を必要とする方は，出願前に入試課に相談してください。

入学と授業料

１．検定料：30,000 円

２．入学料：282,000 円

３．授業料：267,900 円／半期（予定）［535,800 円／年（予定)］

ただし，入学時及び在学中に学生納入金改定が行われた場合には，改定時から新たな納入金額が適用されます。

支払いは各学期始めの２ヶ月以内に済まされなければなりません．授業料減額，奨学金などは以下の援助の項目を参照のこと。

４．入学日は 2022 年 10 月 1 日または 2023 年 4 月 1 日です。

選考と入学許可

１．志願者のうちで，提出された書類を審査し，総合的に判断して成績が優秀な者については，指導を希望する教員による面接又はインターネットインタビューが行われます。

２．志願者は，EPGA 選考委員会によって選考され，学業成績，研究能力が優秀であり，かつ出身大学等からの強い推薦がある者だけが合格者として選ばれます。最終結果は 2022 年 10 月入学希望者は 2022 年 7 月に，2023 年 4 月入学希望者は 2023 年 1 月に本学より志願者へ通知します。

３．定員は 2022 年 10 月入学，2023 年 4 月入学でそれぞれ 4 名です。

申請

＊2023 年 4 月入学希望者は「2022 年 9 月」を「2023 年 3 月」と読み替えるものとします。

１．志願者は，本学学務部入試課に提出する下記の出願書類を準備して下さい。

① 申請書(様式A)

② 研究分野と研究計画（様式 B)（両面印刷すること）

③ 学位証明書又は学位記の写し（原本と相違ないことが証明されたもの)。現在学生の者は，2022 年 9 月までに学士の学位を取得予定であるという証明書

④ 大学から出される成績証明書とその英語訳（成績評価の基準がわかるものを提出すること）

⑤ 卒業論文の概要又は研究報告書など卒業論文の概要と同等のもので，Ａ４用紙４

⑦ **Recommendation** and **Reference**

a. A letter of **Recommendation** (Form C) from the head (Dean, in case of University) of the applicant's affiliated institution.

b. Letter(s) of **Reference** (Form D) from those who know the applicant's research/study capability addressed to the the President of Saga University .

The letters of recommendation and reference should indicate the English proficiency of the applicant. Enclose, therein, a certificate indicating the scores of TOEFL or a corresponding English Ability Test, if any.

⑧ **Three Photographs** (hatless portrait), 4.5 cm×3.5 cm in size, taken within six months of application date. One copy should be attached to the application form. Two extra copies should be enclosed therein, with the applicant's name and the nationality on the reverse side of the copies.

⑨ **Entrance Examination Fee:** 30,000 Yen. The entrance examination fee should be transferred as a postal money order at post office, or sent as a check (US dollar) to Entrance Examination Office of Saga University. Note that in the case of a check, if amount of exchanged Japanese yen was below 30,000 Yen, the check cannot be received by Entrance Examination Office of Saga University.

2. All documents should be sent by registered airmail, and must arrive at the Entrance Examination Office by **the deadline indicated on the cover page.**

Remarks

1) The above documents should be typewritten in English on A4 size paper.
2) Incomplete documents are not acceptable.
3) Applicants are advised to choose their desired Advisory Professor (Supervisor), and to indicate the supervisor's name on the application form (Form A).
4) None of the documents submitted is returned to the applicant in any case.

NOTES

1. Grantees will be deprived of entrance under the following cases:
   a. False statements on the documents.
   b. Violation of the pledge.
2. Grantees are recommended to be well acquainted with the Japanese language, culture, customs, etc. A skill of the Japanese language is necessary in daily life.
3. Grantees are expected to complete their Master Course Program within two years.

BENEFITS

1. Exemption of tuition fee from complete to 50% may be granted depending on circumstances.
2. There are several scholarships, for private-expense foreign students. Students can apply for these scholarships.
3. Housing: Students can apply to Saga University International House, or low-cost apartments supported by Saga prefecture and other organizations.

CORRESPONDENCE

The application form of the EPGA should be sent by air mail to the address shown below. Note that the application forms must not be submitted in any kinds of electronic form. Forms sent by facsimile and attached files on e-mail are not accepted in any occasion. If you have difficulty mailing your documents by the deadline due to COVID-19, please contact us at the e-mail address below.

Entrance Examination Office
Saga University
1 Honjo-machi
Saga 840-8502, Japan
Fax: (+81)-952-28-8944
E-mail: epga@mail.admin.saga-u.ac.jp

枚以内，英文のダブルスペースでタイプしたもの。志願者が修了した大学で卒業論文が必要とされなかった場合は，その趣旨の申告書を提出してください。

⑥ 本国の戸籍謄本又は市民権等の証明書

⑦ 推薦書及び証明書

a. 申請者が属する機関の長（大学においては学部長）の推薦書（様式 C）

b. 佐賀大学長あてに，志願者の研究／学力を知る者による証明書を提出してください。（様式 D）

推薦書と証明書は志願者の英語能力が記されていなければなりません。もしあれば，そこに TOEFL か英語能力試験に類似のもののスコアを示す証明書を同封してください。

⑧ 4.5cm×3.5cm サイズで申請日前 6 か月以内に撮られた写真 3 枚（上半身，脱帽，正面向き）。そのうち 1 枚は申請書に添付されていなければなりません。他の 2 枚の写真は，その裏に申請者名と国名を記入し，出願書類に同封してください。

⑧ 入学検定料：30,000 円

納入方法としては，郵便局においてポスタルマネーオーダー（国際送金）で送金する又は銀行で送金小切手（US ドル）に替えて，それを出願書類と併せて送付するなどがあります。ただし，送金小切手の場合，本学が日本円に換金して 30,000 円に満たない場合は，出願書類を受理しませんので，不足が無いように注意してください。

２．すべての書類は書留の航空便で，表紙に記載された締め切り日までに佐賀大学学務部入試課まで送付してください。

注

1）書類は，A4 用紙に英語でタイプしてください。

2）不備書類は，受付不可とします。

3）志願者は，教員リストから希望する教員を選び，その教員名を申請書（様式 A）に必ず記入してください。

4）提出された書類は，志願者へ返却することはありません。

注意事項

１．下記の場合には，合格者は入学許可を取り消されます。

a．書類上の不正申告

b．誓約書違反

２．合格者は日本語，文化，習慣などをよく身につけるように勧められます。日々の生活に日本語の知識は必要です。

３．合格者は 2 年以内に博士前期・修士課程を修了することになっています。

援助

1. 状況により異なりますが，申請により授業料が半額免除される可能性があります。
2. 私費留学生は，各種奨学金に応募できます。
3. 住居：佐賀大学国際交流会館や佐賀県などの低価格な住居に応募できます。

問合せ先

EPGA の申請書等は，下記あてに航空便で送ってください。ファックスや E メール等での出願は受理できません。新型コロナウイルス感染症の影響で締め切りまでに書類の郵送が困難な場合は，下記の E メールアドレスへご連絡ください。

〒840-8502　日本国佐賀県佐賀市本庄町 1 番地
佐賀大学学務部入試課
Fax: (+81)-952-28-8944
Email:epga@mail.admin.saga-u.ac.jp

ACADEMIC STAFFS ATTENDING EPGA COURSES AND THEIR RESEARCH INTERESTS AND MAJOR FIELDS

SCIENCE AND ENGINEERING [MASTER COURSE]

Advanced Materials Chemistry Course

Laboratory of Inorganic Chemistry ..... Yamada, Y.

Research Fields: Measurements of magnetic susceptibility and ESR for transition-metal complexes.
Synthesis of binuclear copper (II) complexes, polynuclear metal complexes, and model complexes of metalloenzyme.
X-Ray structural analysis of metal complexes.

Laboratory of Organic Chemistry ..... Hanamoto, T.

Research Fields: Transition metal-catalyzed organic synthesis.
Chemistry of hypervalent iodine compounds.
Synthesis and reactions of versatile building blocks.
Organic fluorine chemistry.
Synthesis and structure of biologically active peptides.
Chemistry of elastin and ionchannel forming peptides.
Mechanism-based design and synthesis of enzyme or receptor inhibitors.

Laboratory of Applied Physical Chemistry ..... Era, M. and Sakaguchi, K.

Research Fields: Development of optoelectronic organic / inorganic nanohybrid
Development of photonic and optoelectronic organic materials
Development of functionalized carbon materials
Fabrication and evaluation of organic devices
Preparation and characterization of stimulus-responsive polymer particles and lipid vesicles.

Laboratory of Chemical Engineering ..... Ohto, K. and Morisada, S.

Research Fields: Separation science and engineering of metals and biomaterials with solvent extraction, ion exchange and adsorption.
Material resource recycling for sustainable society.
Environmental Engineering.
Colloid and surface engineering.

Laboratory of Electrochemistry .....Tominaga, M.

Research Fields: Bioelectrochemistry
Functional electrode
Redox enzyme
Biosensor, Biofuel cell

Laboratory of Applied Organic Chemistry ..... Takeshita, M.

Research Fields: Construction of supramolecular systems based on molecular recognition and development for advanced organic materials
Development of organic light-emitting diodes
Development of photo-functionalized material.

Laboratory of Ceramic Engineering ..... Yada, M.

Research Fields: Preparation of ceramics: solid state reaction, sol-gel process, reactive infiltration
Eco-friendly ceramics: luminescence materials for energy-saving, ceramic recycle and porous ceramics for environmental cleanup
Nano-size functional ceramics: nano-fiber, nano-tube, nano-composites

Laboratory of Environmental Chemical Engineering ..... Kawakita, H.

Research Fields: Polymer preparation using enzymatic reaction.
Metal adsorption by functional polymer.
Polysaccharide synthesis for food engineering.

Energy and Mechanical Engineering Course

Laboratory of Environmental Fluids Systems .....Matsuo, S., Kinoue, Y. and Shiomi, N.

Research Fields: Turbomachinery, Numerical analysis of fluid flow,
High speed aerodynamics, Vibration and noise control,
Wells turbine for wave power generator,
Control of shock wave, Flow separation,
Development of nozzle, Multiphase flow.

Laboratory of Thermal Energy Systems ……. Miyara, A., Mitsutake, Y., Kariya, K. and Ishida, K.

Research Fields: Enhancement of boiling heat transfer and critical heat flux.
High efficiency heat exchanger. Measurements of thermophysical properties
Heat and mass transfer, Condensation, Boiling, Heat exchanger, Heat pump,
Refrigeration, Geothermal heat pump.

Laboratory of Ocean Energy..... Ikegami, Y., Yoshida, S., Arima, H., Imai,Y. and Murakami, T.

Research Fields: Wave and tidal energy conversion systems, Marine hydrodynamics,
Ocean thermal energy conversion plant,
Development of thermal energy conversion systems.
Boiling heat transfer, two-phase flow, effective utilization of thermal energy.
Rotor aerodynamic, aero-elastics, floating offshore wind turbine, wind farm.

Mechanical Systems Engineering Course

Laboratory of Advanced Materials Systems ..... Hagihara, S., Hattori, N., Tadano, Y., Taketomi, S., and Morita, S.

Research Fields: Numerical analysis for structures. Mechanics of composite material. Finite element method. Evaluation of fatigue strength of various metals and advanced materials.

Laboratory of Machine Design and Production Systems .....…… Zhang, B., Hasegawa, H. Mawatari, T. and Ohshima, F.

Research Fields: Design and manufacturing system of gears.
Precision machine elements and tribology.
Precision finishing and characterization of solid surfaces.
Rolling contact fatigue.
Friction and wear of contact surfaces.

Laboratory of Advanced Robotics and Control Systems .....Sato, K.

Research Fields: Sustainable robots. Networked robots. Man-machine interface.
Control theory, Adaptive control, Robust control
Mechatronics. Softcomputing. Nonlinear control.

Electrical and Electronic Engineering Course

Laboratory of Communication Engineering and Advanced Circuit Technology
……....Toyoda, I., Sasaki, S., Tanaka, Takayuki. and Nishiyama, E.

Research Fields: Microwave Circuits
Planar Antennas
Electronic Circuits
High-speed Interconnections
Communication Systems

Laboratory of Power Electronics ……..…Kasu, M., Takahashi, K., and Hara, S.

Research Fields: Power electronic devices
Wide-gap semiconductors such as diamond
Synchrotron x-ray radiation
Surface science
Photovoltaic System

Laboratory of Optoelectronics ……Guo, Q., Tanaka, Tooru., and Ihara, S.

Research Fields: Optoelectronic Materials and Applications
Epitaxial growth and characterization of semiconductor materials
Advanced optoelectronic devices
Photovoltaics
Pulse power engineering
Synchrotron light application for materials processing and characterization

Laboratory of Advanced Computational Engineering and Artificial Intelligence
..... Wakuya, H., Itoh, H. and Fukumoto, H.

Research Fields: Power Engineering and Smart Power Grid System
Electromagnetic and Acoustic Analyses
Virtual Reality (VR) and Augmented Reality (AR)
Biomedical Signal Processing
Neural Networks
Intelligent Robotics
Natural Language Processing

Laboratory of Microwave Electronics..... Oishi, T.

Research Fields: High power and high frequency electronic devices using wide bandgap semiconductors
Device modeling technology

Laboratory of Plasma Electronics.....Ohtsu, Y.

Research Fields: Plasma electronics
Plasma discharge application (CVD, sputtering)
Preparation of functional thin films for electronic device

Civil Engineering Course
Architectural Design Course

Laboratory of Structural Engineering and Mechanics ……., Ito, Y. and Obiya, H.

Research Fields: Structural engineering.
Earthquake engineering.
Linear, nonlinear, elastic, nonelastic, static, and dynamic analysis of structure.
Concrete materials, reinforced and prestressed concrete structures.

Laboratory of Geotechnical Engineering ..... Hino, T. and Negami, T.

Research Fields: Analytical study of geotechnical problems.
Soil improvement and earth reinforcement.
Land subsidence.
Stabilization of ground.
Geoenvironmental engineering.
Road engineering.
Pavement engineering.
Waste treatment engineering.

Laboratory of Environmental System Engineering ..... Ohgushi, K. Yamanishi, H., Narumol, V., Oshikawa, H. and Mishima.Y.

Research Fields: Coastal engineering.
Ecohydraulics and sediment transport
Fluid dynamics.
River engineering.
Water resources engineering.
Water environmental engineering.
Water pollution control.
Wastewater treatment systems.

Laboratory of Urban Design and Architecture Mishima, N., Goto, R., Hirase, Y., , and Miyahara, M.

Research Fields: Architectural design.
Architectural planning.
Land- and townscape design.
Regenerative design of architecture and urban space.
Preservation of historic environment.
Regional disaster prevention plan.

Laboratory of Environmental Design for Architecture … Kojima, S., and Nakaohkubo, K.

Research Fields: Building thermal environment.
Urban thermal environment.
Energy conservation of building environment.
HVAC control for building environment.

Laboratory of Social Systems Management ..... Li, H., and Inohae, T.

Research Fields: Transportation system and planning.
Urban development and urban systems.
Residential environment evaluation.
Prevention for urban disaster.
Urban energy management.
Urban environmental evaluation.

ADVANCED HEALTH SCIENCE [MASTER COURSE]

Biomedical Engineering Course

Laboratory of Systems Control ..... Goto, S. , Sugi, T. and Matsuda, Y.

Research Fields: Medical systems control.
Plant systems control.
Remote systems control.
Mechatronic systems control and robotics.
Reliability analysis for power plant.
Control systems design.

Laboratory of Applied Computing ..... Muramatsu, K. and Dozono, H.

Research Fields: Numerical analysis of electromagnetic field.
Optimal design of electromagnetic apparatus.
Modelling of magnetic materials.
Soft computing.

Laboratory of Bioimaging and Biosensors ..... Kimoto, A. and Yamaoka, Y.

Research Fields: Bioimaging; Biosensors.
Biosensors; Intelligent-composite multisensors
Biosensors; Tactile sensors mimicking human perceptions
Biosensors; Non-invasive imaging with composite sensors
Biomedical imaging; Photoacoustic imaging
Biomedical imaging; Nonlinear optics

Laboratory of Intelligent Sensing Systems..... Teramoto, K. and Khan. I.

Research Fields: Non-destructive testing.
Inverse problems in multidimensional sensing.
Wave-field analysis
Biomedical sensing by ultrasound
Photonic Sensing.
Nano-scale Sensing.
Signal processing

Laboratory of Environmental Fluids Systems ..... Hashimoto, T. and Sumi, T.

Research Fields: High speed aerodynamics.
Medical application of shock wave.
Multiphase flow.
Rheology of soft materials.
Computational fluid dynamics.

Laboratory of Robotics and Computational Intelligence …..... Izumi, K.

Research Fields: Robotics, Mechatronics, Computational Intelligence, Machine learning

Functional Biomolecular Science Course

Laboratory of Analytical Chemistry ..... Takamuku, T. and Umecky, T.

Research Fields: Structure and dynamics of liquids and solutions.
Solvation structure of amino acids, peptides, and proteins in binary solutions.
Physicochemical properties of room-temperature ionic liquids.

Laboratory of Inorganic Chemistry ..... Koikawa, M. and Yoneda, K.

Research Fields: Synthesis and magnetochemistry of polynuclear transition-metal complexes.
X-Ray crystal structural analysis of metal complexes.
Synthesis and guest-responsivity of porous coordination polymers

Laboratory of Physical Chemistry ..... Unno, M. and Fujisawa, T.

Research Fields: Molecular spectroscopy
Biophysics of Photoreceptors

Laboratory of Bioorganic Chemistry ..... Osada, S.

Research Fields: Structure-based design, synthesis and biological evaluation of enzyme inhibitors.
Structure-Function Relationship of biologically active peptides.

EDUCATION PROGRAM FOR GLOBAL ADVANCEMENT (EPGA) IN ENVIRONMENTAL,ENERGY AND HEALTH SCIENCE

GRADUATE SCHOOL OF SCIENCE AND ENGINEERING, AND GRADUATE SCHOOL OF ADVANCED HEALTH SCIENCE SAGA UNIVERSITY

APPLICATION FORM

INSTRUCTIONS (記入上の注意)

1. Application should be typewritten or written in Roman block capitals.
   (記入は楷書又は大文字のローマ字体を用いること。)
2. Numbers should be written in Arabic figures.
   (数字は算用数字を用いること。)
3. Year should be written in the Anno Domini system.
   (年号はすべて西暦とすること。)
4. Proper nouns should be written in full and not be abbreviated.
   (固有名詞はすべて正式な名称とし、一切省略しないこと。)
5. An examination fee of 30,000 yen should be enclosed.
   (検定料 30,000 円を添えること。)
6. Write your name and the address within the box below for notifying the result of the selection. This box will be used for the addressing stickers.
   (合格通知書等を送付するので氏名と住所を下記欄に記入のこと。
   この欄は住所ラベルとして使用する。)

Name :

Present
Address :

Tel/Fax :

Form A

＊受験番号 第　　号

EDUCATION PROGRAM FOR GLOBAL ADVANCEMENT (EPGA) IN ENVIRONMENTAL, ENERGY AND HEALTH SCIENCE GRADUATE SCHOOL OF SCIENCE AND ENGINEERING AND GRADUATE SCHOOL OF ADVANCED HEALTH SCIENCE, SAGA UNIVERSITY (MASTER COURSE)

佐賀大学大学院理工学研究科・先進健康科学研究科環境・エネルギー・健康科学グローバル教育プログラム
(博士前期・修士課程)
入学志願票

Couse

- ☐ Advanced Materials Chemistry
- ☐ Biomedical Engineering
- ☐ Energy and Mechanical Engineering
- ☐ Functional Biomolecular Science
- ☐ Mechanical Systems Engineering
- ☐ Electrical and Electronic Engineering
- ☐ Civil Engineering
- ☐ Architectural Design

Paste a passport sized photograph or digital image taken within the past 6 months. Write your name and nationality in block letters on the back of the photo.
(4.5 ㎝×3.5 ㎝ photo)
(写真 (4.5 ㎝×3.5cm))

Period of Hope for Admission : ☐October, 2022 ☐April, 2023

Name of the desired supervisor (指導を希望する主指導教員名をかならず記入すること。)

1. Name in full, in native language (姓名(自国語))

_____ , _____ , _____
(Family name) (First name) (Middle name)

(Sex)
☐Male (男)
☐Female (女)

In Roman block capitals (ローマ字)

_____ , _____ , _____
(Family name) (First name) (Middle name)

(Marital Status)
☐Single (未婚)
☐Married (既婚)

2. Nationality (国籍) _____

3. Date of birth (生年月日) Year (年) ,Month (月) ,Day (日) ,Age (年齢) (as of April 1, 2022)

4. Present status with the name of the university attended, or employer
(現職(在学大学名又は勤務先名まで記入すること。))

5. Present address and telephone number, facsimile number, e-mail address
(現住所及び電話, ファックス番号, E-mail アドレス)
現住所(Present address) :

電話番号/FAX 番号(Telephone/facsimile number) :

E-mail address :

6. Permanent address (本籍): _____

7. Field of specialization studied in the past (Be as detailed and specific as possible.)
(過去に専攻した専門分野(できるだけ具体的に詳細に書くこと。)

8. Educational background (学歴)

	Name and Address of School (学校名及び所在地)	Year and Month of Entrance and Completion (入学及び卒業年月)	Amount of time spent at the school attended (修学年数)	Diploma or Degree awarded,Major subject (学位・資格，専攻科目) When taking leave of absence,the period and reason. (休学した場合はその期間・理由)
Elementary Education (初等教育) Elementary School (小学校)	Name (学校名) Location (所在地)	From (入学) To (卒業)	years (年) and months (月)	
Secondary Education (中等教育) Lower Secondary School (中学)	Name (学校名) Location (所在地)	From (入学) To (卒業)	years (年) and months (月)	
Upper Secondary School (高校)	Name (学校名) Location (所在地)	From (入学) To (卒業)	years (年) and months (月)	
Higher Education (高等教育) Undergraduate Level (大学)	Name (学校名) Location (所在地)	From (入学) To (卒業)	years (年) and months (月)	
Graduate Level (大学院)	Name (学校名) Location (所在地)	From (入学) To (卒業)	years (年) and months (月)	
Total years of schooling mentioned above (以上を通算した全学校教育修学年数) as of April 1, 2022 (2022 年 4 月 1 日現在)		years(年)		

* If the blank spaces above are not sufficient for the information required, please attach a separate sheet ((注)上欄に書ききれない場合には，適当な別紙に記入して添付すること。)

9. State the titles or subjects of books or papers (including graduation thesis authored by the applicant), if any, with the name and address of publisher and the date of publication.
(著書，論文(卒業論文を含む。)があればその題名，出版社名，出版年月日，出版場所を記すこと。)

＊Accompany this form with a summary of the papers mentioned above.((注)論文の概要を添付のこと)

10. Employment Record: Begin with the most recent employment, if applicable. (職歴)

Name and address of organization (勤務先及び所在地)	Period of employment (勤務期間)	Position (役職名)	Type of work (職務内容)
	From To		
	From To		

11. Japanese language background, if any (日本語の学習歴)

i) Name and address of institution (学習機関及びその住所)

_____

ii) Period of study: (学習期間) from _____ (Year (年) Month (月)) to _____ (Year (年)Month (月)), _____ (Years(年間))

iii) Name of teacher (教師名)

_____

iv) Japanese language proficiency: Evaluate your level and insert an X where appropriate in the following blank space. （日本語能力を自己評価のうえ，該当欄に×印を記入すること。）

	Excellent(優)	Good(良)	Fair(可)	Poor(不可)
Reading (読む能力)				
Writing (書く能力)				
Speaking (話す能力)				

12. Foreign language proficiency: Evaluate your level and insert an X where appropriate in the following blank space. (外国語能力を自己評価のうえ，該当欄に×印を記入すること。)

	Excellent(優)	Good(良)	Fair(可)	Poor(不可)
English(英語)				
French(仏語)				
German(独語)				
Spanish(西語)				

13. Family background (家族状況)

Name(氏名)	Relationship (続柄)	Age (年齢)	Occupation (職業)

14. Accompanying Dependents (Provide the following information if you plan to bring any family members to Saga, Japan.) 同伴家族欄（佐賀に来る場合，同伴予定の家族がいる場合に記入すること。）
* He/She is advised to take into consideration various difficulties and the great expense that will be involved in finding living quarters. Therefore, those who wish to be accompanied by their families are advised to come alone first and let their dependents come after suitable accommodation has been found.

（注）家族用の宿舎をみつけることは相当困難であり賃貸料も非常に割高になるのであらかじめ承知されたい。このため，留学生はまず単身で佐賀に来て，適当な宿舎をみつけた後，家族を呼び寄せること。

Name （氏　名）	Relationship （続　柄）	Age （年　齢）

15. Person to be notified in applicant's home country in case of emergency: (緊急の際の母国の連絡先)

i) Name in full(氏名) : _____

ii) Address : with telephone number, facsimile number, e-mail address:(住所:電話番号,ファックス番号及び e-mail アドレスを記入のこと。)

現住所(present address) : _____

電話番号/FAX 番号(Telephone/facsimile number) : _____

E-mail address : _____

iii) Occupation（職業）: _____

iv) Relationship（本人との関係）: _____

16. Immigration Records to Japan. (日本への渡航記録)

Date （日付）	Purpose （渡航目的）
From To	
From To	

Date of application(申請年月日): _____

Applicant's signature(申請者署名): _____

Applicant's name (in Roman block capitals)(申請者氏名): _____

Form B

＊受験番号 第　　号

専攻分野及び研究計画
Field of Study and Research Plan

Name in full,
in your native language
（姓名（自国語））

_____ (Surname) , _____ (Given name) _____ (Middle name)

Name in Roman capital letters
(姓名（ローマ字))

_____ (Surname) , _____ (Given name) _____ (Middle name)

Nationality
（国　籍）

_____

Proposed study program in Japan (Outline your field of study on this side and the specific of your study program on the reverse side of this sheet. This section is one of the most important references for selection. The statement must be typewritten or written in block letters. Additional sheets of paper may be attached if necessary. If plagiarism or fraud is discovered after selection, the selection will be cancelled retroactively.)

（日本での研究計画;この研究計画は，選考の重要な参考となるので，表面に専攻分野の概要を，裏面に研究計画の詳細を具体に記入すること。記入はタイプ又は楷書によるものとし，必要な場合は別紙を追加してもよい。なお、採用後に不正、盗用等が判明した場合は遡って採用を取り消す。）

If you have Japanese language ability, write in Japanese.
（相当の日本語能力を有する者は，日本語により記入すること。）

1 Present Field of study（現在の専攻分野）

2 Your research topic in Japan: Describe articulately the research you wish to carry out in Japan.
（渡日後の研究テーマ：日本においてどういった研究がしたいかを明確に記入すること）

3 Study program in Japan: (Describe in detail and with specifics - particularly concerning the ultimate goal(s) of your research in Japan)

（研究計画：詳細かつ具体に記入し、特に研究の最終目標について具体的に記入すること。）

Form C

＊　受験番号 第　　号

推　薦　書
LETTER OF RECOMMENDATION

佐賀大学長　様

To: President of Saga University

被推薦者
Recommendee
氏名
Full Name: _____

生年月日
Date of Birth: _____

国籍
Nationality: _____

_____

_____

_____

_____

_____

_____

日付
Date: _____
(month) (date) (year)

推薦者
Recommender
署名
Signature: _____
氏名
Print Name: _____

役職
Title and Institution
(or Company): _____
現住所
Present Address: _____
E メールアドレス
E-mail Address: _____

Form D

＊　受験番号 第　　号

証　明　書
LETTER OF REFERENCE

佐賀大学長　様

To: President of Saga University

被証明者
Referenced person
氏名
Full Name: _____

生年月日
Date of Birth: _____

国籍
Nationality: _____

_____

_____

_____

_____

_____

_____

日付
Date: _____
(month)　(date)　(year)

証明者
Reference person
署名
Signature: _____
氏名
Print Name: _____

役職
Title and Institution
(or Company): _____

現住所
Present Address: _____

E メールアドレス
E-mail Address: _____