APPLICATION PROCEDURE FOR FOREIGN STUDENT ADMISSION TO THE GRADUATE SCHOOL OF SCIENCES AND TECHNOLOGY FOR INNOVATION

MASTER'S PROGRAM

OCTOBER 2016 and APRIL 2017
(Pre-Arrival Entrance Examination)

2016 年 10 月入学
2017 年 4 月入学
(外国人留学生特別選抜　渡日前入試)

山口大学大学院創成科学研究科
博 士 前 期 課 程
学 生 募 集 要 項

THE GRADUATE SCHOOL OF SCIENCES AND TECHNOLOGY FOR INNOVATION
YAMAGUCHI UNIVERSITY
山口大学大学院創成科学研究科

I. Division, Course and Enrollment Limits

Division	Course	Accepted Enrollments
Mechanical Engineering	Biomedical Engineering	Several students in each course
	Aerospace and Thermal Engineering	
	Mechanosystems Design Engineering	
Construction and Environmental Engineering	Civil and Environmental Engineering	
	Civil and Environmental Engineering International	
	Environmental System Engineering	
	Architecture	
Applied Chemistry	Materials Chemistry	
	Bioengineering and Chemistry Engineering	
	Environmental Chemistry and Chemical Engineering	
Electrical, Electronic, and Information Engineering	Electronic Devices Engineering	
	Electronic Systems Engineering	
	Intelligent Systems and Media Engineering	
	Information Systems Engineering	

Ⅱ. Qualifications for Applicants

Those who meet requirements, 1, 2 and either 3 or 4, below.

1. Those who have non- Japanese nationality.
2. Those who
   a) work for an organization or a subsidiary company of an organization that has a comprehensive collaboration agreement with Yamaguchi University, and have a recommendation by the head of a division.
   b) are student in the university that has an academic exchange agreement with Yamaguchi University, and have a recommendation by the president of the university or by the dean of the faculty.
   c) are student who has the agreement with their government to receive the scholarship, and have a recommendation by the president of the university or by the dean of the faculty.
3. Those who have completed school education for 16 years in countries other than Japan, or who are expected to complete this education by September 2016 (enrollment in October 2016) or by March 2017 (enrollment in April 2017).
4. Those who have not completed 16 years of education but are judged by the Graduate School of Sciences and Technology for Innovation, Yamaguchi University to have academic standards equivalent to those who have completed school education for 16 years in countries other than Japan.

Note: Applicants who want to apply for admission according to 4, must obtain confirmations of the relevant qualifications before applying. Please contact the Admission Office (Ⅲ.4.).

Ⅲ. Application Procedure

1. Application Period

Application documents must be submitted to the Admission Office during the following period.

(1) Enrollment in October 2016: May 23 (Mon.) through May 27 (Fri.), 2016

(2) Enrollment in April 2017: November 21 (Mon.) through November 25 (Fri.), 2016

Admission offices are open: Monday to Friday, 8:30 - 17:15

2. Application Documents

Submit the following documents completed in English.

Application documents will not be returned and their contents cannot be changed after their submission.

Application for Admission	Fill in the prescribed form.
Photograph Sheet Identification for Screening	Fill in the prescribed forms and paste a photograph, taken within the last 3 months (head and shoulders, hatless, facing forward, 4cm × 3cm) on the Photograph Sheet.
Graduation Certificate	Certificate of graduation or expected graduation from the university
Academic Transcripts	Official transcript from the university
Recommendation Letter	Written by the head of a division of an organization or a subsidiary company/ the president of the university or the dean of the faculty
Personal History	Fill in the prescribed form.
Research Plan	Fill in the prescribed form. Write the detailed description of your research objective, plan and approach in about 300 words. It is recommended that this document is typed using a computer.
Application Fee	Send 35,000 yen (application fee 30,000 yen + bank charge 5,000 yen) by overseas remittance (telegraphic transfer) to the specified account. Send it to reach the specified account by the deadline of the application period. The application fee, once delivered, will not be refunded under any circumstance.
Others	Submit a copy of your passport.

The personal information collected through the application procedure is not be used for any other purpose and is not provided to any third parties without the applicant's consent.

3. Application

All application documents must reach the Admission Office during the application period. If mailed, they should be sent by registered express mail with "Application for Foreign Student Admission to the Master's Program" written in red on the envelope.

4. Application documents should be sent to the following Admission Office:

Faculty of Engineering, Yamaguchi University
2-16-1 Tokiwadai, Ube 755-8611, Japan
Telephone: +81-836-85-9009 Facsimile: +81-836-85-9019
E-mail: en304@yamaguchi-u.ac.jp

5. Transfer Account

The details of the specified account will be provided in advance.

6. Other Notices

(1) Before applying, contact your prospective academic adviser by e-mail about the intended research and study program.

(2) If you have any questions, please contact the Admission Office above 4.

Ⅳ. Screening

The screening of applicants is based upon the evaluation of the application documents.

Ⅴ. Announcement of Screening Results

(1) Enrollment in October 2016: June 21 (Tue.), 2016 (12:00)
(2) Enrollment in April 2017: January 6 (Fri.), 2017 (12:00)

The results of the screening will be posted via bulletin board on the Yamaguchi University web site (http://www.gse.yamaguchi-u.ac.jp/nyuushi/2016/master.pdf), and will also be mailed to successful applicants.

Ⅵ. Admission Procedure

Detailed information will be sent to successful applicants. Please complete the admission procedure by the following deadline. Any person who does not complete the admission procedure by this deadline will be assumed to have declined admission.

1. Admission Procedure Deadline
   (1) Enrollment in October 2016: July 15 (Fri.), 2016
   (2) Enrollment in April 2017: January 18 (Wed.), 2017
2. Admission Fee
   287,000 yen (admission fee 282,000 yen + bank charge 5,000 yen) must be sent by overseas remittance (telegraphic transfer) to our account. Send it to reach our account by the deadline above.
   Note 1: The admission fee, once paid, will not be refunded under any circumstances. "under any circumstances" includes: "even if a person declines admission"
   Note 2: In the case that Yamaguchi University decides to revise the admission fee for 2017 entrants after the publication of this document, the revised amount will be applied.

Ⅶ.Others

1. Date of Admission
   (1) October 1, 2016
   (2) April 1, 2017
2. Tuition Fee
   First Semester (April – September): 267,900 yen by the end of May
   Second Semester (October – March): 267,900 yen by the end of November
   Note 1: In the case that Yamaguchi University decides to revise the tuition fee for 2017 entrants after the publication of this document, the revised amount will be applied.
   Note 2: If the revision of the tuition fee is made while a student is in the program, the new tuition amount will have to be paid.

Ⅰ．専攻、コース及び募集人員

専　攻	コース	募集人員
機　械　工　学　系　専　攻	応用医工学コース	若干名
	航空宇宙エネルギーコース	
	メカノシステムデザインコース	
建　設　環　境　系　専　攻	社会建設工学コース	
	国際建設技術コース	
	環境システム工学コース	
	建築学コース	
化　　学　　系　　専　　攻	物質化学コース	
	生命化学コース	
	環境化学・化学工学コース	
電 気 電 子 情 報 系 専 攻	電子デバイス工学コース	
	電子システム工学コース	
	知能情報工学コース	
	情報システム工学コース	

Ⅱ．出　願　資　格

下記の１．及び２．の要件を満たし、かつ３．又は４．のいずれかの要件を満たす者。

１．日本の国籍を有しない者。

２．次のいずれかに該当する者。

a）本学との包括的連携協定締結機関又はその子会社の在職者で包括的連携協定締結機関の長の推薦がある者

b）本学の協定校の学生で協定校の学長又は学部長の推薦がある者。

c）政府からの奨学金の支給が確約された者で在籍（在職）する教育機関の学長（学校長）又は学部長の推薦がある者。

３．外国において学校教育における 16 年の課程を修了した者、又は 2016 年 9 月まで（2016 年 10 月入学の場合）若しくは 2017 年３月まで（2017 年４月入学の場合）に修了見込みの者。

４．本研究科において、外国の学校教育における 16 年以上の課程を修了した者と同等以上の学力があると認めた者。

（注）出願資格４．により出願を希望する者は、あらかじめ出願資格の認定を受けて出願してください。
出願資格に関する詳細は、下記「Ⅲ．４．提出先」に問い合わせてください。

Ⅲ．出　願　手　続

1. 出願期間

(1) 2016 年 10 月入学 : 2016 年　5月 23 日（月）～2016 年　5月 27 日（金）必着

(2) 2017 年　4月入学 : 2016 年 11 月 21 日（月）～2016 年 11 月 25 日（金）必着

２．出願書類

下記の出願書類を英語で作成してください。

なお、出願手続後は、書類の返却及び記載事項の変更は認めません。

入　学　志　願　票	本研究科所定の用紙に、必要事項を記入してください。
写　　真　　票 受　　験　　票	本研究科所定の用紙に、必要事項を記入してください。写真票の所定欄に、出願前３ヶ月以内に撮影した上半身・無帽・正面向きの写真（４㎝×３㎝）をはってください。
卒　業　証　明　書	出身大学の卒業証明書又は卒業見込み証明書

成　績　証　明　書	出身大学の成績証明書
推　　薦　　書	包括的連携協定締結機関の長の推薦書 協定校の学長又は学部長の推薦書 在籍（在職）する教育機関の学長（学校長）又は学部長の推薦書
履　　歴　　書	本研究科所定の用紙に、必要事項を記入してください。
研　究　計　画　書	研究計画書には、研究を希望するテーマ、その目的及び研究方法などを本研究科所定の用紙に、３００語程度の英語で記入してください。なお、できるだけワープロ等を使用して作成してください。
検　　定　　料	検定料 30,000 円と銀行手数料 5,000 円の合計 35,000 円（円建て）を本学指定の銀行口座に出願期間内に届くよう、銀行所要期間を考慮のうえ払い込んでください。 なお、いったん納入された検定料は、いかなる理由があっても返還しません。
そ　　の　　他	旅券の写しを提出してください。

出願書類については、この大学院入学者選抜において必要なためにご提出いただくものであり、これによって得た個人情報を、独立行政法人等の保有する個人情報の保護に関する法律第９条に規定されている場合を除き、出願者本人の同意を得ることなく他の目的で使用又は第三者に提供することはありません。

３．出願方法

入学志願者は出願期間中に届くよう出願書類を取りまとめ、下記「４．提出先」に提出してください。郵送の場合は、必ず**「速達書留」**とし封筒に**「博士前期課程入学願書（外国人留学生）在中」**と朱書してください。なお、外国において出願する場合は書留航空便としてください。

４．提出先

山口大学工学部学務課入試係　〒755-8611　宇部市常盤台２丁目１６－１
電話（0836）85-9009　FAX(0836)85-9019
E-mail: en304@yamaguchi-u.ac.jp

５．検定料等振込先（本学指定の銀行口座）

別途通知します。

６．注意事項

(1) 出願前に研究指導を希望する教員と研究内容、履修方法等についてメールで相談してください。
(2) 入学者選抜に関する詳細は、上記「４．提出先」に問い合わせてください。

Ⅳ．選　抜　方　法

入学者の選抜は、出願書類に基づき総合判定して行います。

Ⅴ．選抜結果の通知

１．2016 年 10 月入学：2016 年６月 21 日（火）12 時
２．2017 年　４月入学：2017 年１月　６日（金）12 時

本学のホームページ(http://www.gse.yamaguchi-u.ac.jp/nyuushi/2016/master.pdf)に合格者の受験番号を掲載するとともに、合格者に郵送で通知します。

Ⅵ. 入 学 手 続

１．入学手続期限

⑴ 2016 年 10 月入学 : 2016 年７月 15 日（金）必着

⑵ 2017 年 ４月入学 : 2017 年１月 18 日（水）必着

２．入学料

入学料 282,000 円と銀行手数料 5,000 円の合計 287,000 円（円建て）を、本学指定の銀行口座へ入学手続期間内に届くよう、銀行所要期間を考慮のうえ払い込んでください。

（注１）入学手続を行った者が入学を辞退した場合、納付済の入学料はいかなる理由があっても返還しません。

（注２）本募集要項公表後，2017 年度入学者に係る入学料額の改定を本学が決定した場合は，改定後の額となります。また，既に納入されていた場合は改定額との差額を納入していただくことになります。

Ⅶ. そ の 他

１．入学年月日

⑴ 2016 年 10 月１日

⑵ 2017 年 ４月１日

２．授業料

前期分（４～９月）267,900 円　納付期限：５月末まで

後期分（10～３月）267,900 円　納付期限：11 月末まで

（注１）本募集要項公表後，2017 年度入学者に係る授業料額の改定を本学が決定した場合は，改定後の額となります。また，既に納入されていた場合は改定額との差額を納入していただくことになります。

（注２）在学中に授業料の改定があった場合，新授業料額が適用されます。

(博士前期課程)

機械工学系専攻[Division of Mechanical Engineering]

Course	Research Field	Academic Staff
Biomedical Engineering	Education and research on analysis/estimation model and measurement/control for dynamics systems	Professor Takashi Saito
	Education and research on nonlinear finite element method, Biomechanical simulation and its applications in medicine	Professor Xian Chen
	Education and research on human interface of medical and welfare equipment	Professor Osamu Morikawa
	Education and research on biomechanical simulation and evaluation of mechanical properties of biomaterials	Associate Professor Junji Ohgi
	Education and research on measurement methods for living tissue using ultrasonic and design of medical devices using numerical simulation	Associate Professor Koji Mori
Aerospace and Thermal Engineering	Education and research on the characterization and numerical analysis in the more complex heat and mass transfer phenomena at the surface of the inorganic or organic microparticles body in chemical equipment machinery	Professor Yasuo Katoh
	Education and research on characteristics of multiphase flow, heat and mass transfer and combustion in gas phase and in solid phase, energy system analysis and production process analysis	Professor Tatsuo Nishimura
	Education and research on combustion, exhaust emission and noise in internal combustion engines, combustion of sprays and droplet clous, microcombustion, and noise reduction by mufflers	Professor Masato Mikami
	Education and reserch on the canonical turbulent flows such as boundary layer, jet and wake often seen in engineering application	Professor Shinsuke Mochizuki
	Education and research on satellite remote sensing technology, processing algorithm, and application to the Earth's environment monitoring	Associate Professor Keiji Imaoka (Media and Information Technology Center)
	Education and research on the advanced aerospace engineering of atmospheric entry vehicles, and beaming and electromagnetic propulsion	Associate Professor Hiroshi Katsurayama
	Education and research on ignition and combustion phenomena in the internal combustion engine and fundamental study of atomization and spray combustion	Associate Professor Takehiko Seo
	Education and reseach on thin film coating by thermal chemical vapor deposition, nanoparticle formation due to combustion and gasification and solidification from woody biomass	Associate Professor Kenichiro Tanoue
Mechanosystems Design Engineering	Education and reseach on instrumentation and system identification for non-linear control systems	Professor Kakuji Ogawara
	Education and research on development of smart mechatronic system, sensing technology, microactuator and structure for engineering and medical applications	Professor Zhongwei Jiang
	Education and research on deformation, strength and reliability analysis of engineering materiials	Professor Koichi Goda
	Education and research on the design and fabrication of micro mechanical devices, which is suitable for living body, and the development of microfabrication technology that is necessary for fabrication of the micro devices, and the their application to characterization and operation of living body/cell and medical care	Professor Kazuyuki Minami
	Education and research on design theories and methodologies of mechanical systems including strategy planning, identifying needs, generating-evaluating concepts, and computational optimization	Associate Professor Tsuyoshi Koga
	Comprehensive intervention platforms for neuro-psychobiological development from infant to aged stages.	Associate Professor Mamiko Koshiba
	Education and research on the development of mold processing and its fracture mechanism for green composites	Associate Professor Junji Noda
	Education and research on dynamic interfacing of human-machine systems, system integration with control/computation technology and control system synthesis	Associate Professor Fumitake Fuji

(博士前期課程)

建設環境系専攻[Division of Construction and Environmental Engineering]

Course	Research Field	Academic Staff	
Civil and Environmental	Study on corrosion analysis and maintenance technique of steel bridges	Professor	Toshihiko Aso
	Rock mechanics modelling and rock engineering design; field monitoring and numerical analysis	Professor	Norikazu Shimizu
	Study on mechanical characteristics of geomaterial and numerical analysis for geotechnical engineering	Professor	Yukio Nakata
	Basic Study on Flow and Material Transportation of the Natural World and its Application to Energy Use, Water Environmental Improvement, and Flood Problems	Professor	Kesayoshi Hatano
	Education and research on natual environmant and disaster prevention in river basin	Associate Professor	Yoshihisa Akamatsu
	Study on planning and Management Process of urban/regional Infrastructure	Associate Professor	Hiroyuki Sakakibara
	Study on Development of Unconventional Resources as Concrete material and its Acceleration on High-Performance	Associate Professor	Katsuhiko Takami
	Education and research on the technology development for the rich water environment and environmental friendly city	Associate Professor	Koichi Yamamoto
	Education and research on exploitation and effective use of resources in geotechnical engineering	Associate Professor	Norimasa Yoshimoto
	Education and research of the development of seismic design and maintainance of bridge structures	Associate Professor	Gakuho Watanabe
Civil and Environmental Engineering International	Fundamental research on hydraulics and its application for disaster prevention and environmental issues	Professor	Koji Asai
	Education and research on design and consturuction methodology of underground structure	Professor	Masato Shinji
	Education and research on evaluation of geotechnical characteristics of ground subjected to rainfall and earthquake and their resistant design	Professor	Motoyuki Suzuki
	Education and research on conserving natural environment and building sustenable society	Professor	Masahiko Sekine
	Study and education on factors affecting the geotechnical stability under the construction of infrastructure	Professor	Hiroshi Matsuda
	Study on purifying soil contaminated by natural disaster using microorganism	Associate Professor	Md.Azizul Moqsud
	Regional and transportation plannning based on attitude and behavior analysis	Associate Professor	Haruna Suzuki
	Design and construction method of composite structures using cementitious materials	Associate Professor	Isamu Yoshitake
Environmental System	Education and research on optimum management and/or treatment including resources recovery of wastewater and organic solid waste for sustainable society.	Professor	Tsuyoshi Imai
	Environmental Cleanup and Resource Recycling Based on Separation Technology	Professor	Masakazu Niinae
	Education and research on evaluation and control of environmental contamination and waste management	Associate Professor	Takaya Higuchi
	Education and research on environmetal remediation and resource recycling technologies	Associate Professor	Tasuma Suzuki
Architecture	City Planning and Urban Design Methods for Compact Cities	Professor	Shinji Ikaruga
	Research on Evaluation Method for Structural Performance and Seismic Performance of Buildings / Development of Rational Structural Systems.	Professor	Eiichi Inai
	The Education and Research on Practical Theory and Techniques of Space Design based on Regional History and Natural Environment	Professor	Fumio Uchida
	Optimization of Indoor and Outdoor Thermal Environment, Development of Advanced HVAC Systems	Professor	Makoto Koganei
	Planning and Design of Social Welfare Facilities	Professor	Mahito Nakazono
	Building Steel Structures Aiming to Reduce Environmental Burdens, Building System for a Composite Steel-Timber Structure	Professor	Masanori Fujita
	Study on Human Casualty Related to Physical Damages due to Earthquakes and Planning for Optimum and Resilient Disaster Mitigation	Associate Professor	Hitomi Murakami
	Investigation on Various Performances, Numerical Method of Mechanical Behaviors, and Environment-Conscious Design Method for Building Materials	Associate Professor	Li Zhuguo
	Research on Evaluation Method for Structural Performance and Seismic Performance of Buildings / Development of Rational Structural Systems.	Associate Professor	Tomofusa Akita
	Study on Urban Design and Architectural Planning	Associate Professor	Koh Syohken

（博士前期課程）

化学系専攻[Division of Applied Chemistry]

Course	Research Field	Academic Staff	
Materials Chmistry	Education and Research on Synthesis and Development of New Organic Materials for Electronic Devices	Professor	Kenjiro Onimura
	Development and evaluation of optical functional organic materials such as fluorescence materials	Professor	Kazuo Kasatani
	Research and education for growth, rowth mechansm and application of functional crystals	Professor	Ryuichi Komatsu
	Research and education of catalysis for production of renewable energy, selective conversion and enviromental protection	Professor	Yoshihisa Sakata
	Education and Research on Synthesis of Inorganic and Inorganic-Organic Composite Materials for Energy and Environmental Applications	Professor	Masaharu Nakayama
	Studies on Materials Designing, Developments and Analyses for Batteries, Capacitors, and Fuel Cells for Energy Conversion and Power Storage	Professor	Masayuki Morita
	Education and Research on analyses Using Electrochemical Reaction	Professor	Nobuko Yoshimoto
	Education and study related to synthesis and application of organic functional material such as organic gelators and liquid crystal materials	Associate Professor	Hiroaki Okamoto
	Solid state chemistry and physical properties of functional inorganic materials	Associate Professor	Akihiko Nakatsuka
	Thermodynamics and Structure of Electrolyte Solution and Gel Systems	Associate Professor	Kenta Fujii
	Development of advanced ceramics and spectroscopy	Associate Professor	Hirotaka Fujimori
Bioengineering and	Education and research for genetic engineering and gene function analysis contributing to foods, energy, and medicine	Professor	Rinji Akada
	Organic synthesis toward development of green methodologies, new materials innovation, and bioactive products synthesis.	Professor	Akio Kamimura
	Preparation and application of new functional polymer materials and application of electrospun nanometer-sized fibers to energy storage devices	Professor	Hiromori Tsutsumi
	Bioseparation and biochemical engineering for bio-, medical and food processing	Professor	Shuichi Yamamoto
	The development of new organic synthesis using a transition metal catalyst	Associate Professor	Takashi Nishigata
	Reseach on life sciences and development of biotechnology for medical, energy, food and envitonmental applications	Associate Professor	Hisashi Hoshida
	Bioreaction and biochemical engineering for bio-, medical and food processing	Associate Professor	Makoto Yoshimoto
Environmental Chemistry and Chemical	Education and research for the intensification, optimization, and energy saving of chemical processes with transport phenomenon and process design	Professor	Takashi Saeki
	Understanding of the filtration mechanism about water environmental conservation and life science, and education and research on filtration process design	Professor	Hideo Nakakura
	Development and application of functional polmer materials (separation membranes, gel materials and polymer electrolyte membranes) for energy saving	Professor	Mitsuru Higa
	Education and investigations on synthetic route design and environmetal chemistry using theoretical chemistry and chemoinformatics	Professor	Kenji Hori
	Education and research on the removal and reduction techniques of environmental pollutants in the chemical process	Associate Professor	Shigetoshi Kobuchi
	Education and research by computational chemistry on search of reaction mechanisms for catalysis and molecular design of new functional materials	Associate Professor	Michinori Sumimoto
	Studies on Energy-Efficient Chemical Processes and Advanced Materials to Achieve the Processes	Associate Professor	Kazuhiro Tanaka
	Education and study on design of the environmentally friendly chemical process using biocatalysts	Associate Professor	Eiichi Torisaka
	Study and discovery of novel chiral catalysts for asymmetric organic synthesis. Development of novel catalysts for the synthesis of functional resin materials.	Associate Professor	Hidetoshi Yamamoto
	Education and research on membrane technology for green energy and chemical production processes	Associate Professor	Izumi Kumakiri
	Development of electrochemical processes using polymer materials and electrolytes	Associate Professor	Nobutaka Endo

（博士前期課程）

電気電子情報系専攻[Division of Electrical, Electronic and Information Engineering]

Course	Research Field	Academic Staff
Electronic Devices	Production of ionic plasmas and investigation of their characteristics	Professor Wataru Oohara
	Development of new functional materials for electron, spin and phonon engineering	Professor Tsuyoshi Koyanagi
	Theoretical and computer simulation study of properties of various materials	Professor Shuji Shimamura
	Crystal growth and characterization of nitride semiconductor and precision processing technology for nitride semiconductor devices	Professor Kazuyuki Tadatomo
	Optical properties and functionalities of wide-bandgap semicondoctor low-dimensional quantum structures	Professor Yoichi Yamada
	R&D of electronic materials and devices, based on microstructure design and computational scirnce, for wireless communication, data storage and energy harvesting	Professor Setsuo Yamamoto
	Design, fabrication and characterization of opto-electronic devices using compoud semiconductors	Professor Toshiya Yokokawa
	R&D of electronic materials and devices, based on microstructure design and computational science, for wireless communication, data storage and energy harvesting	Associate Professor Koji Akai Faculty of Global and Science Studies
	Development of new functional materials for electron, spin and phonon engineering	Associate Professor Hironori Asada
	Theoretical study of properties of various materials by means of computer simulation and experimental study of optical properties of amorphous semiconductors	Associate Professor Chisato Ogihara
	Characterization of lattice defects and their effects on functional properties of wide-bandgap materials	Associate Professor Ayako Kai
	Vacuum science and technology. Development of vacuum apparatus for advanced device fabrication	Associate Professor Hiroki Kurisu
	Studies on plasma science and technology for material processing	Associate Professor Satoshi Sakiyama
	Theoretical study of properties of various materials by means of computer simulation and experimental study of optical properties of amorphous semiconductors	Associate Professor Yasuhiro Senda
	Development of metallic or oxide superconducting wires, and design and applications of superconducting coils	Associate Professor Naoyuki Harada
Electronic Systems Engineering	New functional wave-type devices in microwave Electromagnetic metamaterials in microwave	Professor Hiroshi Kubo
	Research include theory and its application of control engineering	Professor Kanya Tanaka
	Power electronics applications for the active power line conditioners, LED power supplies and ubiquitous power for great disaster	Professor Toshihiko Tanaka
	Research and Development of Electromagnetic Field Analysis Using Finite Element Method and Computer Aided Analysis System.	Professor Mitsuo Hano
	Theory and applications of intelligent sensing system	Associate Professor Seiji Nishifuji
	Research and Development on High-Permance Wireless Power Transfer System and Theoretical Study on Mode in Guided-Wave Structure for Optical-Wave and/or Microwave and its Application for Communication Devices	Associate Professor Masashi Hotta
	Theory and applications of systems engineering	Associate Professor Yuji Wakasa
	Research and education on theory and application of control engineering	Associate Professor Shota Nakashima
	Power electronics applications for the active power line conditioners, LED power supplies and ubiquitous power for great disaster	Associate Professor Hiroaki Yamada

（博士前期課程）

電気電子情報系専攻[Division of Electrical, Electronic and Information Engineering]

Course	Research Field	Academic Staff
Intelligent Systems and Media Engineering	Intellectual calculation model building on learning, adaptation and storage of biological information processing and its application	Professor Masanao Oobayashi
	Education and study for computer-aided diagnosis which support radiologists' diagnosis by extracting useful information from medical images such as CT and MRI.	Professor Shoji Kido
	Development of rendering methods for generating realistic images by CG and application systems of virtual reality	Professor Katsumi Tadamura
	Bioinformatics based on Statistical Pattern Recognition	Professor Yoshihiko Hamamoto
	Investigation of vision mechanisms by techniequs in nonlinear science and vision psychology and their applications to imaging technologies	Associate Professor Atsushi Osa
	Study on design psychology, design education and design method in relation to contents of information media.	Associate Professor Takeshi Kinosita
	Statistical Analysis, Evaluation and Prediction of Stochastic Audio Sound Fields	Associate Professor Tetsuro Saeki
	Mathematical analysis and modeling for the regulation of artificial genetic circuits based on the system of biological gene expression	Associate Professor Manabu Suzuki Faculty of Global and Science Studies
	Analysis, Understanding, Reproduction and Applications of Auditory Phenomenon.	Associate Professor Takahiro Tamesue （Media and Information Technology Center）
	Education and research on computer-aided diagnosis system for medical images, analysis of inner structure of human bodies, and image-based computational simulation	Associate Professor Yasushi Hirano
	Fundamental research and applications of pattern recognition and image processing	Associate Professor Yusuke Fujita
	Visual computing including image processing and pattern recognition, and its implementation on general processing units for fast parallel computation	Associate Professor Yoshiki Mizukami
	Study on computer vision generating human vision using computer	Associate Professor Satoru Morita
Information Systems Engineering	Mathematical Modeling, Simulation Analyses and the Opimal Control of Various Phenomena including Natural, Social and Psysical Phenomena	Professor Masaaki Ishikawa
	Computer Simulation Study of Plasma Science and Nuclear Fusion by Using Modern Parallel Architechtures	Professor Hiroshi Naitoh
	Development of information system for social infrastructure maintenance Evolutionary Algorithms for Optimization and their Application to Engineering	Professor Hideaki Nakamura
	Sequence Design and its Application in Communications	Professor Shinya Matsufuji
	Innovation and Improvement in the Fascinating Field of Computing	Associate Professor Akira Itoh
	Innovation and Improvement in the Fascinating Field of Computing	Associate Professor Wang Yue （Media and Information Technology Center）
	Applied informatics for civil infrastructure	Associate Professor Kei Kawamura
	Education and research on development of effective ways and system for disaster risk mitigation and reduction concerning natural and man-made disasters.	Associate Professor Koichi Takimoto
	Software Engineering and Quality-Oriented Software Management	Associate Professor Yoshinobu Tamura
	Education and research about radiowave and lightwave wideband wireless communication systems, and development of their communication systems using field programmable gate arrays.	Associate Professor Takahiro Matsumoto
	Dependable parallel and distributed systems and networks	Associate Professor Masaru Fukushi
	Software Engineering and Systems Engineering	Associate Professor Shingo Yamaguchi