

[General Selection (Applicants Residing within Japan)]

## Autumn Admission in Academic Year 2017 (Master's Program)

Examination Category Code	<b>1174</b>
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### 1. Admissions Capacity

Graduate Department	Field of Study	Admissions Capacity
Computer and Information Systems	CS : Computer Science SY : Computer System CN : Computer Network Systems IT : Applied Information Technologies SE : Software Engineering	30
Information Technology and Project Management	PM : Project Management and IT Specialist	10

### 2. Application Eligibility

Individuals who satisfy one of the following requirements:

- (1) Individuals who have graduated from universities or those who are expected to graduate from one by September 30, 2017.
- (2) Individuals who have Bachelor's degrees under Paragraph 4, Article 104 of the School Education Law of Japan or those who are expected to have one by September 30, 2017.
- (3) Individuals who have completed sixteen years of school education outside Japan or those who are expected to complete the said school education by September 30, 2017.
- (4) Individuals who have completed sixteen years of school education of foreign countries through correspondence courses while living in Japan provided by schools in the relevant countries, or those who are expected to complete the said school education by September 30, 2017.
- (5) Individuals who have completed a university program of a foreign educational institute located in Japan (limited to programs which students having completed are recognized as having completed sixteen years of school education of relevant foreign countries) authorized by the school education system of relevant foreign countries as those having university programs, and designated separately by the Minister of Education, Culture, Sports, Science and Technology, or those who are expected to complete the said program by September 30, 2017.
- (6) Individuals who have completed specialized programs of specialized training colleges (limited to programs which satisfy the criteria established by the Minister of Education, Culture, Sports, Science and Technology, such as an enrollment period of four years which is required for completion of the relevant programs) designated separately by the Minister of Education, Culture, Sports, Science and Technology, after the date determined by the Minister of Education, Culture, Sports, Science and Technology, or those who are expected to complete the said program by September 30, 2017.
- (7) Individuals who are designated by the Minister of Education Culture, Sports, Science and Technology, under the Ruling on the Implementation of the School Education Law of Japan, Item 6, Paragraph 1, Article 155.

- (8) Individuals who have been admitted to graduate schools in accordance with the provisions of Paragraph 2, Article 102 of the School Education Law of Japan, and who have been recognized by the University of Aizu Graduate School as having scholastic ability appropriate for education at the University of Aizu Graduate School.
- (9) Individuals who will have reached the age of 22 as of September 30, 2017 and are recognized by the University as having academic achievements equal to or higher than those of a university graduate through an individual inspection of the admission qualifications.
- (10) Individuals satisfying any of the following requirements as of September 30, 2017 and who are recognized as having earned academic credits for courses designated by the University of Aizu Graduate School with excellent results.
  - a) Individuals who have been enrolled at a university for at least three years.
  - b) Individuals who have completed 15 years of course work of school education abroad.
  - c) Individuals who have completed 15 years of school education of foreign countries through correspondence courses while living in Japan provided by schools in the relevant countries.
  - d) Individuals who have completed a university program of a foreign educational institute located in Japan (limited to programs which students having completed are recognized as having completed 15 years of school education of relevant foreign countries) authorized by the school education system of relevant foreign countries as those having university programs, and designated separately by the Minister of Education, Culture, Sports, Science and Technology.

#### Notes

- 1: An individual working may apply for and enroll in the Master's Program while holding a position in the government office or enterprise, etc.
- 2: **Prior to making an application, each applicant must obtain approval from the faculty member from whom the applicant wishes to have instruction and advice about his/her research plan, etc. during his/her enrollment in the Master's Program.**
- 3: Applicants who wish to apply for the Master's Program under 2-(8), 2-(9) or 2-(10) above are required to go through a preliminary examination regarding eligibility for application under these categories, as a person "recognized by the University" as having met the above-mentioned qualification standards. Please read item 9, "Preliminary Qualification Examinations" carefully, and submit necessary documents for the preliminary examination by the deadline.

### 3. Application Procedures

#### (1) Making the Applications

Application documents must be placed in an envelope, on which the words "Graduate School Application Forms Enclosed" must be written in red, and must be submitted by an applicant in person or be mailed using "Registered Express Mail" or EMS (from outside Japan) to the address given in 3-(2) below. The envelope must indicate the applicant's name, address and ID number (applicable only to the students of the University of Aizu).

Please be sure to use an envelope even if you submit them to the University in person.

(2) Address for Submission

Student Affairs Division, Department for Student Affairs, University of Aizu  
Address: Tsuruga, Ikki-machi, Aizu-Wakamatsu City, Fukushima, 965-8580 JAPAN  
Phone: [+81] (242)37-2723, Fax: [+81] (242)37-2526  
E-mail: admission@u-aizu.ac.jp

(3) Application Deadline

Application period is from Friday, June 2, 2017 to Friday June 9, 2017, 5:00 p.m. (JST)

Applicants shall not be allowed to apply both for the 2<sup>nd</sup> entrance examination for AY 2017 Autumn Admission (#1174) and the 1<sup>st</sup> entrance examination for AY 2018 Spring Admission (#1181) at the same time, for which the examination date is the same.

(4) Application Documents

**Fill in the forms clearly either in Japanese or English. Item 5 must be written in English.**

Application Documents		Applicants	Description
1	Application Form	All	Fill in the provided form (M1-English).
2	Address Label	All	Fill in the provided form (M2).
	Photo ID Card	All	Fill in the provided form (M2) and affix photographs, which have the applicant's name on the back, to the designated places on the application. The photo must be a portrait measuring 4 cm long and 3 cm wide, and must have been taken within 3 months of the date of submission. The photo should show the head, shoulders, and upper chest, from the front, against a plain background.
	Exam Admission Card	All	
3	Certificate of (Expected) Graduation or Certificate of Enrollment	All	An official certificate in a sealed envelope should be issued by the university the applicant attended/is attending (English, <b>Not applicable to students of the University of Aizu.</b> )
4	Certified Transcript	All	An official transcript in a sealed envelope should be issued by the university the applicant attended/is attending (English, <b>Not applicable to students of the University of Aizu.</b> )
5	Research Plan	All	An applicant must describe contents of the research in English he/she plans to conduct after entering the Master's Program on the provided form (M3).
6	Letter of Recommendation	All	This should be prepared by an applicant's supervisor, etc. who can attest to the applicant's achievements and learning abilities objectively (Use the provided form (M4), which should be put in an envelope and sealed.)

7	Application Fee	All	<p>30,000 yen</p> <p>The application fee must be paid <b>in Yen</b> to the following bank account. Please make sure to attach proof of payment of fee to the reverse side of application form (M1-English).</p> <p><b>Applicants must also pay a remittance charge for the bank transfer of the application fee. Make sure to include the remittance charge in the application fee payment, so that the University will receive no less than 30,000 yen.</b></p> <p>Bank Name: Toho Bank, Aizu Branch Office  Account Number: 2268703  Name of Account Holder: The University of Aizu  SWIFT Code: TOHOJPJT</p>
8	Self-addressed Stamped Envelope for Sending the “Exam Admission Card”	All	<p>Prepare a regular-size envelope (120 x 235 mm), write a return address and put a 252 yen stamp on it.</p> <p><b>(Stamp is not required for students of the University of Aizu.)</b></p>
9	Course Syllabuses	Applicants falling under application category (8) or (10)	<p>A document that details the contents of each undergraduate school course in which the applicant is enrolled</p> <p><b>(Not applicable to students of the University of Aizu.)</b></p>
10	Approval for Application	Relevant applicants	<p>① An individual who is currently holding a position in a government office or an enterprise, etc. must submit an Approval for Application written in any form by the director of the department/section to which the individual is affiliated.</p> <p>② Applicants who are enrolled at another graduate school at the time of application must submit a letter or form from the university he/she is enrolled in that states that the student has permission to take the entrance examination.</p>
11	Other Documents	Relevant applicants	<p>① A description of an applicant’s work responsibilities and major achievements on the provided form (M5), if he/she has been engaged in research at a company, etc. For details, refer to the explanatory notes on this form.</p> <p>② Official records and/or certificates which certify the score or grade of TOEFL, TOEIC, IELTS, GEPT, CET, GRE, etc. (Copies are acceptable), if an applicant has taken these tests. This requirement does not apply to native-speakers of English or to those applicants whose undergraduate education was administered in the English language.</p>

#### 4. Points to note

- (1) Incomplete applications and late applications will not be accepted.
- (2) Once received, application documents and application fees will not be returned under any circumstances.
- (3) Once received, any change in the contents of the application documents will not be accepted.
- (4) Should any false statement be found in the application documents, admission might be canceled even if the applicant’s admission has been previously approved.
- (5) **If an applicant falling under the qualification (1), (2), (3), (4), (5) or (6) listed on “2. Application Eligibility” becomes unable to fulfill the requirement, his/her admission will be canceled. (A Certificate of Graduation must be submitted at the time of admission.)**
- (6) In cases (4) and (5) above, application documents and application fee will not be returned.

## 5. Examination

### (1) Selection Method

Successful applicants shall be selected comprehensively through an oral examination (interview), and by examining application documents.

In the oral examination, applicants' specialized knowledge in Computer Science and Engineering as well as English language proficiency shall be tested. The examination includes a five-minute presentation in English, by each applicant on his/her specialized knowledge (applicant's strengths) related to areas in which he/she plans to specialize in for the Master's Program and research plans, followed by an about ten-minute question-and-answer session based on the presentation. Use of audio-visual aids for presentations, e.g. OHPs and PCs, is not allowed.

### Notes

- 1: Applicants who are/were not computer science and engineering majors are required to make presentations on their previous studies (fields of specialization) and their planned research.
- 2: Oral examinations may be given to individuals who apply to the program based on application eligibility category (9) to examine their basic scholastic ability.
- 3: **Oral examinations for individuals who apply to the program based on application eligibility category (10) or (11) and individuals from fields other than computer science and engineering, will take about 30 minutes.**

### (2) Date and Location for the Entrance Examination

Date: Saturday, July 15, 2017      Location: Research Quadrangles of the University of Aizu

The meeting time will be given at the time when Exam Admission Card is mailed to each applicant.

## 6. Announcement of Successful Applicants

### (1) Announcement methods

The applicant numbers of successful applicants will be posted on the notice board in front of the University of Aizu Research Quadrangles, and successful applicants will receive in writing a notification of successful results. The University will not respond to any inquiries regarding the examination results made by phone, e-mail, or other means.

The results will also be posted on the University website for reference.

URL: <http://www.u-aizu.ac.jp/en/admissions/graduate/result/>

### (2) Announcement date

Around 11:00 a.m. (JST) on Friday, July 21, 2017.

## 7. Admission Procedures

### (1) Submission of Documents

- a. The Student Recruiting Section of the Student Affairs Division will distribute necessary documents for admission to successful applicants who are currently students at the University. For other successful applicants, the documents will be mailed after the announcement of successful applicants.
- b. In principle, documents should be submitted by the applicant or proxy. If it is difficult to do so, please send the documents by "Registered Mail." Please note that documents should be received no later than the "dates for admission procedures period" noted in 7-(2) below. Prior to mailing of documents, make a phone call to the Section by 5 p.m. (JST) on Wednesday, August 23, 2017.

### (2) Period

Friday, August 25, 2017

### (3) Location for the admission procedures

Student Affairs Division, Department for Student Affairs, University of Aizu

### (4) Payment for the first year

Item	Amount	Payment Due
Admission Fee	282,000 yen	This fee must be paid during the admission procedure period given in 7-(2) above.
Tuition	520,800 yen	Tuition payment should be made in two installments of 260,400 yen each by the end of October and by the end of April.
Casualty and accident insurance for student's education and research	1,750 yen (for two-year insurance)	This insurance premium must be paid during the admission procedure period given in 7-(2) above.

## 8. Other

### (1) Scholarships

Applications can be made for a scholarship from the Japan Student Services Organization for Postgraduates, and other scholarships. Details of scholarships will be explained after entrance to the University.

### (2) TA System

The University of Aizu offers TA (Teaching Assistant) positions to graduate students. Teaching Assistants will be paid a wage (around 1,000 yen per hour) according to their working hours.

### (3) Boarding Houses and Apartment Houses

Students must find accommodations on their own. Accommodation information is available at the Student Health and Welfare Services Section of the Student Affairs Division.

Phone: [+81] (242) 37-2515

E-mail: [cl-health-welfare@u-aizu.ac.jp](mailto:cl-health-welfare@u-aizu.ac.jp)

## 9. Preliminary Qualification Examinations

Applicants falling under application categories (8), (9) or (10) in item 2 are required to go through the preliminary examination by submitting the documents listed below. When the actual application for the program is made, submission of the original Application Form and other documents excluding those already prepared for the preliminary examination is necessary.

Documents necessary for the preliminary examination must be placed in an envelope, **on which “For the Preliminary Examination” should be written in red**, and must be submitted in person or be mailed using “Registered Express Mail” or EMS (from outside Japan) to the address given in 3-(2).

Exam. Category Code	Examination	Document Submission Deadline	Notification of the Result	
<b>1174</b>	2 <sup>nd</sup> Entrance Examination for Autumn Admission, AY 2017	Monday, May 8, 2017 (Documents must be received no later than 5:00 p.m.(JST))	By Wednesday, May 31, 2017	

Documents for Submission	Description	Documents Required	
		Application Categories (8)(10)	Application Category (9)
Copy of the Application Form	See the list of the application documents given in item 3-(4) Application Documents.	<input type="radio"/>	<input type="radio"/>
Certified Transcript		<input type="radio"/>	<input type="radio"/>
Research Plan		<input type="radio"/>	<input type="radio"/>
Letter of Recommendation		<input type="radio"/>	<input type="radio"/>
Certificate of Enrollment		<input type="radio"/>	
Course Syllabuses		<input type="radio"/>	

## Graduate Department of Computer and Information Systems

The Graduate Department of Computer and Information Systems has its foundation in the education and research of the School of Computer Science and Engineering, and it aims to teach and research the structures and functions of information processed by solving actual problems using computer systems.

Problem-solving-approach curriculum is designed for students to proceed researches in two years and offers a “Thesis Research” course, writing Master’s Theses, as a required course. 20 percent of the total required academic credits are allocated to the “Thesis Research” course.

Fields of Study (FoS) had reorganized in AY2012 due to introduction of the new curriculum. This Department has 5 Fields of Study.

- Field of Study CS (Computer Science)
- Field of Study SY (Computer Systems)
- Field of Study CN (Computer Network Systems)
- Field of Study IT (Applied Information Technologies)
- Field of Study SE (Software Engineering)

These Fields of Study are accordingly designed to the Undergraduate curriculum. Therefore, students will be able to make a consecutive research plan throughout undergraduate and graduate school programs and develop their expertise systematically.

### ○Computer Science (CS)

**Keywords:** Algorithms, Computational Modeling, Theoretical Computer Science

Students are expected to acquire basic skills required for effective use of the most advanced computer systems and intelligent systems, and to study the fundamental theories which stand at the center of computer science and engineering acquired through the extraction of essential elements from various phenomena. Such study and research should be pursued with an awareness of the practical application of theories in operational systems.

### ○Computer Systems (SY)

**Keywords:** Embedded Systems, VLSI Technologies, Computer Devices, Computer Organization, Parallel Processing

This field exposes students to a wide range of computer-architecture-related technologies including embedded systems, VLSI technologies, and computer device technologies. Regarding embedded systems, a broad and deep knowledge of application software, OS, architecture, and electronics are the targets. VLSI technologies cover not only digital design but also physical design and analog electronic circuits. Computer device technologies include both theoretical and practical study and research of micro/nano devices. Parallel processing is a major working horse for computers today and in the future and this field of study aims to teach and expose students to research in the most advanced and innovative computer technologies covering from hardware architecture to application software.

### ○Computer Network Systems (CN)

**Keywords:** Computer Network Systems

Computer networking is an indispensable element in modern information and communications services. The research and education in this field address all aspects of communications and networking, including digital communication, multimedia and ubiquitous networking, Internet engineering practice, traffic engineering, and distributed algorithms that are needed to develop computer network systems.

### ○Applied Information Technologies (IT)

**Keywords:** Virtual Reality, Multimedia Retrieval, Internet Computing, Human Interface, Robotics, Biomedical Information Technology

Virtual Reality, Multimedia and Biomedical IT are very important and constantly evolving areas in computer science and engineering. The subject areas of these fields include: computer graphics and animation, the Internet and mobile systems for multimedia computing; biomedical multimedia systems, intelligent multimedia systems, mixed and augmented reality, computer music, networked media applications, and computer games.

In response to the rapid development of web technologies, human interfaces and robotics, students are expected to acquire sufficient knowledge and skills to conduct research on and experiment with Web technologies for searching multi-media objects including speech, Human-machine interface technologies, Robot technology available in ubiquitous environments, and analysis of extreme environment exploration and remote sensing.

### ○Software Engineering (SE)

**Keywords:** Software Engineering, Parallel distributed & Internet Computing, Programming

Software engineering is a systematic and disciplined approach to developing software that applies both computer science and engineering principles and practices to the creation, operation, and maintenance of software systems. Students enrolled in our field will combine study and research in order to get practical experience in using modern software development techniques and tools as well as participate in developing various applications. They will be able to use knowledge obtained including methods range from how to precisely specify and evaluate problem requirements to how to organize the programming process of the problem solution in real time as well as required and available resources.

## Graduate Department of Information Technologies and Project Management

The purpose of the department is to react to the situation by introducing a new educational process where the education through solving practical problems oriented to the IT industry. A variety of opportunities and team-based environment are organized to encourage both cooperation and individual initiatives and leadership. Also the department is to foster internationally educated experts in leading edge information technologies.

The educational program of the department is based on "Software Development Arena" that is on a so called "super-course" which demands roughly 40% of student efforts. As a result of this super-course, students, working in a team, should develop an experimental software system, write four technical reports, and publish at least one research paper in an international conference proceeding. The program supports a team-based and intensive style of study.

### ○Project Management and IT Specialist (PM)

**Keywords:** Project Management, Intellectual Property Management, Business & Computer Industry, Cloud Computing

Developing cutting-edge IT specialists who have international education background is an important duty of modern society. This field of study offers courses of basic knowledge and applied technologies to develop highly-reliable and safety software, aiming to develop IT leaders who have a wide spectrum of knowledge on computer system development from basic to applied technologies. Therefore, students are required to take courses from other fields of study to obtain required knowledge for their projects.

Specific goals of PM are;

- Cultivating leading engineers of system development
- Experiencing research and development in an English speaking international environment
- acquiring the latest knowledge and technologies
- Improving necessary qualification to be international researchers and engineers