

## Admissions in Academic Year 2020 (Master's Program)

Admission Season	Examination Category Code
Spring (April), AY 2020	<b>2201</b>
Autumn (October), AY 2020	<b>2202</b>

### 1. Admissions Capacity

Graduate Department	Field of Study	Admissions Capacity		
		Spring (April)	Autumn (October)	Total
Computer and Information Systems	CS : Computer Science SY : Computer System CN : Computer Network Systems IT : Applied Information Technologies SE : Software Engineering	A few students	A few students	A few students
Information Technology and Project Management	PM : Project Management and IT Specialist	A few students	A few students	A few students

### 2. Application Eligibility

Individuals who satisfy one of the following requirements:

- (1) Individuals who have graduated from a university or those who are expected to graduate from one by March 31, 2020.
- (2) Individuals who have a bachelor's degree under Paragraph 4, Article 104 of the School Education Law of Japan, or those who are expected to have one by March 31, 2020.
- (3) Individuals who have completed sixteen years of school education outside Japan, or those who are expected to complete the said school education by March 31, 2020.
- (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 March 31, 2020.
- (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 March 31, 2020.
- (6) Individuals who have completed a specialized program of a specialized training college (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 March 31, 2020.

- (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 a graduate school 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 March 31, 2020 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 March 31, 2020 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: With regard to applicants for the AY 2020 Autumn (October) admission (#2202), the date, “March 31, 2020” shall be read as “September 30, 2020”.
- 2: An individual working may apply for and enroll in the Master’s Program while holding a position in a government office or enterprise, etc.
- 3: **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.**
- 4: 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 standard. 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 included in an envelope, on which the words “Graduate School Application Forms Enclosed” must be written in red, and must be mailed to the address given in 3-(2) below.

Although submission of application documents via e-mail or Fax will be accepted under time pressure, original documents for application must also be promptly sent by post as well.

(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 Deadlines

Application to the Entrance Examination for Spring Admission and the Entrance Examination for Autumn Admission simultaneously is not permitted.

Exam Category Code	Examination Category	Application Deadline
<b>2201</b>	Entrance Examination for Spring Admission, AY 2020	From Friday, September 20, 2019 To Friday, October 18, 2019 5:00 p.m.(JST)
<b>2202</b>	Entrance Examination for Autumn Admission, AY 2020	From Friday, April 10, 2020 To Friday, May 8, 2020 5:00 p.m.(JST)

(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-Overseas.)
2	Address Label	All	Fill in the provided form (M2-Overseas.)
	Photo ID Card	All	Fill in the provided form (M2-Overseas) and affix photographs, which have the applicant's name on the back, to the designated places on the application. The photo must be portraits measuring 4 cm long and 3cm 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	<u>An official certificate in a sealed envelope should be issued by the university the applicant attended/is attending (in English).</u>
4	Certified Transcript	All	<u>An official transcript in a sealed envelope should be issued by the university the applicant attended/is attending (in English).</u>
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 (in English). (Use the provided form (M4), which should be put in an envelope and sealed.)
7	TOEFL, TOEIC, etc. Score Record	All	A copy of an official certificate of a TOEFL, TOEIC, IELTS, GEPT, CET, etc. score. The requirement does not apply to native speakers of English or to those applicants whose undergraduate education was administrated in English. However, in the latter case, applicants must submit a document issued by their degree-granting institute proving the official language of instruction of the applicant's undergraduate education.

8	Application Fee	All	<p>Exam for Spring Admission, AY 2020 } 30,000 yen Exam for Autumn Admission, AY 2020 } per exam</p> <p>The application fee must be paid <b>in yen</b> to the following bank account. Please attach a document to prove the payment to the application documents for submission.</p> <p>When paying by international remittance, please assure that <u>the remitter name is the same as the applicant name</u>, and that the amount deposited in the designated account is 30,000 Yen.</p> <p>Because an application cannot be accepted if the full examination fee is not received due to the deduction of remittance fees, make certain to inform the financial institution that the applicant will bear all remittance fees.</p> <p>Further, please note that in the event that the bank where the remittance is requested cannot directly transfer funds to the account specified by the University, intermediary financial institutions will require payment of handling fees.</p> <p>Bank Name: Mizuho Bank, LTD. , Aizu Branch Account Number : 1178709 Name of Account Holder: The University of Aizu SWIFT Code: MHCBJPJT</p>
9	Course Syllabuses	Applicants falling under application category (8) or (10)	A document that details the contents of each undergraduate school course in which the applicant is/was enrolled ( English.)
10	Statement of Financial Support	All	<p>The provided form (M6) should be filled out by your sponsor.</p> <p>Note 1: Successful applicants must submit a proof of financial standing (income) of your sponsor by the following deadline. - AY2020 Spring Admission: Friday, November 29, 2019 - AY2020 Autumn Admission: Friday, June 26, 2020 Send the original copy (free format) via EMS. Some examples of the proof are listed below. No requirements have been set regarding amounts. - Proof of the balance of the sponsor's account(s) issued by a financial institute, which includes the sponsor's name, account balance and the date (in English), or proof of employment and annual income of the sponsor issued by the sponsor's employer (in English).</p> <p>Note 2: - Those who are applying for financial aid (Scholarship etc.) at the time of application also need to submit above documents. Those who have been accepted as a financial aid (Scholarship etc.) recipient by the time of application must submit a document indicating that fact.</p>
11	Other Documents	As necessary	<p>1. A description of an applicant's work responsibilities and major achievements on the provided form (M5). For details, refer to the explanatory notes on this form.</p> <p>2. Official records and/or certificates which certify the score or grade from the GRE (Copies are acceptable.)</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 changes 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 of (4) and (5) above, application documents and the application fee will not be returned.
- (7) “Applicants residing outside Japan” refers to individuals living outside of Japan from the beginning of the application period to the completion of admission procedures.

#### 5. Selection Procedures

Selection shall be made via the documentary screening process. No oral examination shall be required for the selection from “Applicants Residing Outside Japan”. However, under certain circumstances, applicants may be asked detailed questions over the phone, e-mail, Skype, etc.

#### 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

Exam Category Code	Examination Category	Date and Time
<b>2201</b>	Entrance Examination for Spring Admission, AY 2020	Around 11:00 a.m. (JST) on Friday, November 15, 2019
<b>2202</b>	Entrance Examination for Autumn Admission, AY 2020	Around 11:00 a.m. (JST) on Friday, June 12, 2020

#### 7. Admission Procedures

- (1) Method for Admission Procedure

- a. The documents necessary for admission procedure will be sent to successful applicants by postal mail after the announcement of successful applicants.
- b. Fill out the documents and send them by postal mail to the address noted in 3-(2) above.
- c. Incomplete documents will not be accepted.
- d. Once received, admission documents will not be returned under any circumstances.
- e. Once received, admission fees will not be returned under any circumstances.
- f. Should any individual fail to complete the admission procedure by the prescribed date, he/she shall be regarded as having declined enrollment in the University.

(2) Date

Exam Category Code	Examination Category	Date
<b>2201</b>	Entrance Examination for Spring Admission, AY 2020	By Friday, December 20, 2019
<b>2202</b>	Entrance Examination for Autumn Admission, AY 2020	By Friday, July 10, 2020

(3) Payment for the first year (AY 2019)

Item	Amount	Payment Due
Admission Fee	282,000 yen	Same as the date given in 7-(2) above.
Tuition	520,800 yen	Paid in two installments of 260,400 yen (end of April and October respectively)
Casualty and accident insurance for students' education and research	1,750 yen (for two-years' insurance)	Same as the date given in 7-(2) above.
Comprehensive Insurance for International Students	3,260 yen (for two-years' insurance)	Same as the date given in 7-(2) above.

Amounts and due dates for AY 2020 are subject to change.

## 8. Other

(1) Procedures for Entering and Residing in Japan

Necessary procedures for entering and residing in Japan must be completed by the time of admission to the University. Failure to obtain a student visa, etc. in time shall void the entire admission procedure. In that case, fees paid and documents submitted will not be returned. Completion of formalities and necessary procedures for entering and residing in Japan are the solo responsibilities of student's.

When applying for a student visa, some may be required to submit a "Letter of Admission". Please note that the "Letter of Admission" shall be issued to successful applicants only if they have completed the admission procedure and paid the admission fee. Each applicant is advised to get the information on the visa application procedures at the Japanese Embassy, etc. beforehand.

(2) 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.

(3) 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.

(4) Living Expenses

Approximately 100,000 yen per month is necessary for living expenses, not including tuition.

(5) 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 Examination

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 submitted 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 mailed to the address given in Item 3-(2).

Exam Category Code	Examination Category	Document Submission Deadline	Notification of the Result
<b>2201</b>	Entrance Examination for Spring Admission, AY 2020	Friday, September 6, 2019 (no later than 5 p.m.(JST))	By Friday, September 27, 2019
<b>2202</b>	Entrance Examination for Autumn Admission, AY2020	Tuesday, March, 31, 2020 (no later than 5 p.m.(JST))	By Friday, April 24, 2020

Documents for Submission	Description	Documents Required	
		Application categories (8) or (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"/>	
Certificate of (Expected) Graduation			<input type="radio"/>
Achievement Record	Fill in the provided form (M5) if you have been engaged in research at a company, etc.		<input type="radio"/>

# Graduate School Admission Policy

The University of Aizu is the first university in Japan solely dedicated to computer science and engineering. Computer science and engineering is a promising and cutting-edge discipline with a wide range of applications, and it is becoming a core for technology regarding knowledge production. True to its founding principles "Starting from Local Communities to the World" and "to Advance Knowledge for Humanity", the University of Aizu has always conducted cutting-edge research and comprehensive education in computer science and engineering with a faculty comprised of highly accomplished researchers from around the world.

The University of Aizu Graduate School was established in April 1997 as a place for pioneering academic research and education that contributes to a global society. The Graduate School aims to develop highly creative individuals by providing diverse courses that incorporate advice from the private sector within a superior educational and research environment. In order to develop the ability of students to solve problems in a global environment, classes are generally taught in English. The University of Aizu Graduate School has set forth the following expectations for qualities of incoming graduate students, and the following basic admission selection policy.

## **Expected Qualities of Graduate School Students**

### **[Master's Programs]**

The Master's Programs seek individuals, from both within and outside Japan, who satisfy the following criteria:

- a. Have acquired basic computer science and engineering knowledge and skills at the University of Aizu, another university or an advanced course of colleges of technology, etc., despite possibly having majored in a field other than computer science and engineering.
- b. Wish to study advanced computer science and acquire engineering knowledge and skills, and possibly project development and management, to play an active role in industry as a researcher, engineer, or team leader.

### **[Doctoral Program]**

The Doctoral Program seeks individuals, from both within and outside Japan, who satisfy the following criteria:

- a. Have sufficient capability and desire to conduct advanced computer science and engineering research, and expect to play a leading role as a scientist/educator in academia or as a researcher, planner, and/or promoter of new projects in industry.
- b. Possess a passionate curiosity, a spirit of taking on new challenges, and a strong desire to research and develop new knowledge for humanity and new systems that are useful to society.

## **Basic Admission Selection Policy**

The University of Aizu Graduate School shall conduct a document screening including research plan and oral examination in English to confirm the applicant's basic computer knowledge and the skills, English proficiency, motivation, and discipline needed to study advanced computer science and engineering. However, under certain circumstances, we may only review the application documents depending on examination category.



## 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