Top Global University in Japan

THE UNIVERSITY OF AIZU

- Dedicated to Computer Science and Engineering Education
- Advanced ICT Global Program
- English as a Medium of Instruction

Admission Brochure 2018
The School of Computer Science and Engineering
# About the University of Aizu

## The University of Aizu (UoA)

- **International Education/Research Environment**
  UoA provides international education / research environment by top-level faculty recruited worldwide.

- **Leading-edge Computer Sci. and Eng. Education**
  UoA offers one of the top-class computer science and engineering education programs in Japan.

- **Outstanding Entrepreneurship**
  UoA provides project-based learning to foster entrepreneurship. We are the No.1 ranked public university in Japan in number of university-originated venture companies.

- **High Employment Rate**
  UoA has continued to maintain a high rate of employment at approximately 100% since its establishment.

## Top Global University

The Top Global University Project is a funding project promoted by the Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT), which aims to enhance the international compatibility and competitiveness of higher education in Japan. It provides prioritized support for the world-class and innovative universities that lead the internationalization of Japanese universities.

- Only two public (non-national) universities have been selected as a Top Global University, and our university is one of those.
- Only 37 universities have been selected as a Top Global University among all universities (over 800) in Japan.

## High Ranking

- **Japan University Rankings 2017**
  Ranked 23rd out of 400+

- **World University Rankings 2018**
  Ranked top 4% (Top 800 out of 20,000)
  Ranked 13th within Japan’s universities
  Highest Int’l Outlook score in Japan

## ICT Global Program

**Education**
- All academic activities are conducted entirely in English.
- We provide Japanese language lectures and Japanese culture experiences.

**Practice**
- Student Cooperative Class Projects (SCCPs) and start-up workshops help to realize your ideas.
- Various internship opportunities in Japanese and overseas companies give practical knowledge.

**Services**
- Learning instruction from our expert faculty members assists you in tackling learning issues.
- Our staff members provide international students with advice and living support on a wide range of issues.
- A buddy system helps international students to have a pleasant start and make more friends in Japan.
Advanced ICT and English Education

Advanced Computer Environment

- Almost 3,000 computers are installed on campus.
- Machines and equipment used at Computer Exercise Rooms and Hardware Workshops are replaced every 3 years to ensure an up-to-date environment.
- Most labs and computers are available 24 hours a day, 7 days a week. Each student has 2.5 computers on average.

Advanced ICT Education

- We are proud of our outstanding faculty who are experts in their specialized fields.
- Approximately 40% of the faculty members are foreign nationals coming from 17 countries, which creates a high-level global education and research environment.

- Our curriculum follows the worldwide standard for computer science: ACM/IEEE-CS Computer Science Curricula.
- At the undergraduate level, we provide two-year capstone research training to ensure students experience real research.
- We encourage both self-directed and group learning: students can exchange ideas with each other and discuss issues with professors.
- We regularly invite world-leading experts to give speeches on recent trends and hot topics in various fields.
## Advanced Curriculum

### Field
- **Computer Science**
  - Computer Sci. Fundamentals
  - Computational Modeling
- **Computer Systems**
  - Computer Systems Design
  - VLSI design
- **Computer Network Systems**
  - Computer Network Systems
  - Communications
- **Applied Information Technologies**
  - VR & Human Interface
  - Robotics & Control
  - Biomedical Information Tech
- **Software Engineering**
  - Software Engineering

### Undergraduate School

<table>
<thead>
<tr>
<th>Year</th>
<th>1st Year</th>
<th>2nd Year</th>
<th>3rd Year</th>
<th>4th Year</th>
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<tbody>
<tr>
<td></td>
<td>Specialized Fundamental Courses</td>
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<td>Natural Sciences and Related Courses</td>
<td>Computational Modeling</td>
<td>Computational Modeling</td>
<td>Software Design and Development</td>
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<td></td>
<td>Programming and Related Courses</td>
<td>Computer Systems Design</td>
<td>Computer Systems Design</td>
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<td>Fundamentals of Computer Science &amp; Engineering and Related Courses</td>
<td>Large Scale Integrated Circuit Design</td>
<td>Large Scale Integrated Circuit Design</td>
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<td></td>
<td>Humanities and Social Sciences</td>
<td>Network and Communication</td>
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<td>Internet</td>
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<td>Physical Activities</td>
<td>Internet</td>
<td>Internet</td>
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<td></td>
<td>English Language Courses</td>
<td>4. Applied IT</td>
<td>4. Applied IT</td>
<td>Virtual Reality and Human-computer Interaction</td>
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<td></td>
<td>Practical English Education for Computer Science and Engineering Learning</td>
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<td>Robotics and Control</td>
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<td>Biological Information Technology</td>
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<td></td>
<td>Career Design I</td>
<td>Career Design II</td>
<td>Graduation Theses</td>
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<td></td>
<td>Venture Start-up Workshops</td>
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<td></td>
<td>Simulated experience of starting up business ventures</td>
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<td></td>
<td>Student Cooperative Class Projects (SCCPs)</td>
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<td>Freshmen to seniors study and research together</td>
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<tr>
<td></td>
<td>English Language Courses</td>
<td></td>
<td></td>
<td>Practical English education for computer science and engineering learners</td>
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### Graduate School

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<tr>
<th>Year</th>
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<th>2nd Year</th>
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<tbody>
<tr>
<td></td>
<td>Specialized Courses</td>
<td>Research</td>
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<td></td>
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<td>Seminars</td>
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</tbody>
</table>

### 5-year Master-level Program

#### Program A (4-year Bachelor + 1-year Master)

<table>
<thead>
<tr>
<th>Year</th>
<th>1st Year</th>
<th>2nd Year</th>
<th>3rd Year</th>
<th>4th Year</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>+</td>
<td>1st Year</td>
<td></td>
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</tbody>
</table>

#### Program B (3-year Bachelor + 2-year Master)

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<tr>
<th>Year</th>
<th>1st Year</th>
<th>2nd Year</th>
<th>3rd Year</th>
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<tr>
<td></td>
<td>+</td>
<td>1st Year</td>
<td>2nd Year</td>
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The undergraduate student-faculty ratio at the University of Aizu is 9.5 to 1 (which is lower than the national average; 20.3 to 1). Since many courses are taught in small classes, faculty members are easily approachable, and students can receive close instruction and guidance.
On-campus Dormitory

The dormitory "Somei House" was established in 2011 to support new undergraduate students and self-financed international students. ("Somei" means creative and bright.)

Cafeteria

Nutritionally balanced and hearty lunch sets, and a variety of freshly made dishes are served.

Auditorium and Library

Our library houses a large number of academic journals and foreign books.

The multipurpose auditorium accommodates variable seating.

Athletic Spaces

Living unit for physical strength training and massage chairs are available 24 hours a day.

People enthusiastically enjoy indoor sports in the comfort of our wooden gymnasium.

Our indoor heated swimming pool is available for using year-round.
Nearly 100% Employment Rate

In terms of employment rate, our graduates are employed at a rate of nearly 100% every year. Many of our students, both Japanese and international, get job offers and work in famous Japanese companies in various fields, such as software development, electronics, and communication technology and network services. Please note that the data provided is limited to students staying in Japan; some students go back to their home country or go to other countries to work.

Career Paths of Undergraduate Students

- Private Enterprise (131)
- Public Employer (5)
- Teacher (1)
- Starting a Business/Family Business (9)
- Non Master Program (39)
- Other Graduate School (11)

AI2016

Career Paths of Graduate Students

- Employment (59)
- USA Doctoral Program (6)

AI2016

Job-hunting Support for International Students

- Information Supply
  With regard to job-hunting activities, attentive care regarding career development is offered to students. For example, updated company data useful for job-hunting are always accessible to students from workstations installed on campus.

- Employment Instruction
  Our staff can give person-to-person instruction on career development, as well as job hunting skills to students. Besides, persons in charge of employment from leading companies and relevant specialists from employment magazines are invited to our employment guidance meetings.

Venture Start-up from University of Aizu

The University of Aizu identified "Contributing to industry and culture in the region" as one of its basic principles for its founding philosophy.

- We have the largest number of venture businesses launched from university graduates among public universities in Japan (FY 2015 data from the Ministry of Economy, Trade and Industry), and this has increased year by year.

- Exchange with local industry is thriving and the desire to start up venture businesses has spread across the Aizu area.
# Enrollment at the University of Aizu

## Application Guide

**Eligibility**: Individuals who have completed a 12-year school education equivalent to that of Japanese high school graduates

**Submission Documents**
- Application Form
- Certificate of (Expected) Graduation or Certificate of Enrollment
- Certified Transcript
- Test Scores of English (TOEFL iBT, IELTS, TOEIC, Eiken, or others) *Can be exempted if meeting other requirements, please refer to our website for details
- Academic Proficiency (IB, SAT, EJU, ACT, HKDSE)
- Letter of Recommendation

**Examination Fee**: 17,000 JPY

**Application Period**: Official: March 5 – 30, 2018 *

*SGU Office of UoA accepts applications at any time before the deadline, please contact SGU via email or postal address, which can be found on the last page.

**Result Announcement**: April 20, 2018

**Enrollment Date**: October 1, 2018

## Payment for Admission (JPY)

<table>
<thead>
<tr>
<th>Component</th>
<th>Fee</th>
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</thead>
<tbody>
<tr>
<td>Admission Fee</td>
<td>564,000</td>
</tr>
<tr>
<td>Insurance Fee</td>
<td>3,300</td>
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<tr>
<td>Others</td>
<td>82,300</td>
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<tr>
<td><strong>Total</strong></td>
<td>649,600</td>
</tr>
</tbody>
</table>

## Tuition (JPY per year)

- **Tuition**: 520,800
- Payment in two installments of 260,400 each by the end of April and by the end of October

## Living Expenses (JPY per month)

<table>
<thead>
<tr>
<th>Expense</th>
<th>Monthly Amount (JPY)</th>
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<tbody>
<tr>
<td>Housing</td>
<td>20,000 ~ 60,000</td>
</tr>
<tr>
<td>Food</td>
<td>30,000</td>
</tr>
<tr>
<td>Recreation</td>
<td>10,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>60,000 ~ 100,000</td>
</tr>
</tbody>
</table>

*Living expenses vary depending on where and how you live.

## Competitive Scholarship Programs (partial list)

| Program                                                        | Monthly Amount (JPY) |
|                                                               |                       |
| Japanese Government Scholarship Program                       | 117,000               |
| Japanese Government Scholarship Program (SGU Project)         | 117,000               |
| Monbukagakusho Honors Scholarship for privately-financed international students | 48,000               |
| Reservation Program for Monbukagakusho Honors Scholarship for Privately Financed International Students | 48,000               |
| Rotary Scholarship Program                                    | 100,000               |
| JIEE Scholarship Program                                      | 30,000                |
| SAISUA Scholarship                                             | 20,000                |
| Kyoritsu International Foundation Scholarship Program         | 100,000               |
| Heiwa Nakajima Foundation Scholarship Program for International Students | 100,000               |

## Academic Exchange Partnership between UoA and the world

[Map showing academic exchange partnerships with 19 countries and 69 universities]
**Access**

**Duration:**
- From Haneda Airport: about 3 hrs and 10 mins
- From Narita Airport: about 3 hrs and 10 mins
- From Sendai Airport: about 2 hrs and 20 mins
- From Niigata Airport: about 2 hrs and 30 mins

**Contact us**
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- Fax: +81-242-37-2766
- E-Mail: sgu-admission@u-aizu.ac.jp