

# Re-Inventing Japan Project Nagoya University

【Name of project】(Adopted year: FY2011, Type B-1)

Japan-US Advanced Collaborative Education Program (JUACEP)

【Aim of project, Ideals for Global Human Resources on project】

To provide top-level research-based education for master's course students in Engineering, and to stimulate Japanese students and broaden their scope through co-study and co-work with overseas students in a multi-cultural environment.

【Summary of project】

Co-education with the University of Michigan and University of California Los Angeles (UCLA). Exchange of students and faculty to promote collaborative research and develop a global educational program leading to a joint graduate school in the future.

## ■ Forming University Networks with Quality Assurance

Nagoya is called the "hub of Japanese technology." Nagoya University takes advantage of this to provide hands-on research education by closely working with local but global industrial companies. The official agreement between NU and U.S universities allows credit exchange and transfers that ensure the quality of the program.

〈Nagoya University students in Michigan〉



### ○ Short (Summer) Exchange Course (2 to 3 months)

**Outbound:** Master's course students visit U.S partner universities as research scholars with a J1 visa. Two credits are given by Nagoya University.

**Inbound:** Master's course students at U.S universities visit Nagoya to carry out independent research along with intensive lectures. Nagoya University gives a maximum of 3 credits, transferrable to the students' home universities.

### ○ Medium & Long Exchange Courses (6 to 12 months)

**Outbound:** Students carry out research leading to publication in scientific journals and presentations at academic conferences. They have opportunities to use state-of-the-art equipment and facilities at U.S universities as well as taking several lectures. A maximum of 4 credits are given by Nagoya University.

**Inbound:** Students carry out NU's unique research. A maximum of 3 credits are given by Nagoya University.

## ■ Program Contents, Preparation for the Start of the Programs



〈 Test drive of Mitsubishi i-Miev 〉



〈 Lecture on Lexus LFA 〉

### ○ FY2011

**Outbound:** Sixteen graduate students visited the University of Michigan for 2 months. A total of 4 students also participated in the medium & long courses and studied/are studying at the University of Michigan or UCLA.

**Inbound:** Ten Michigan students studied "Energy Storage and Green Vehicles" at Nagoya University for 2 months. The program consisted of a research internship, 10 intensive lectures, and automobile plant tours.

**Workshop:** To promote student exchange and partnership between universities, a student workshop was held in Michigan and a faculty workshop was held in Nagoya.

	2011	2012	2013	2014	2015
Outbound	37	50	14	32	22
Inbound	0	10	22	17	37

Note : FY2011-2012 actual results, FY2013 -2015 planned

## ■ Student Mobility

○ **Outbound:** 200 NU students are expected to visit U.S universities through student exchange and workshops.

○ **Inbound:** 70 students at U.S universities are expected to visit and study at Nagoya University.

## ■ Promotion of Student Mobility Environment

○ **Outbound:** The coordinators (faculty at U.S partner universities) support visiting students to maximize the productivity of their study. An English course is prepared at Nagoya University to increase their English.

○ **Inbound:** Nagoya University provides all kinds of support, including university dormitories, counseling, Japanese classes, and careful mentoring by the hosting professors, teaching assistants, and the JUACEP team.

〈Co-work by Nagoya and Michigan students〉



〈Michigan University students in Nagoya〉

## ■ Visualization of Education Content, Dissemination of Outcomes

○ **Program PR:** JUACEP is widely recognized publicly through the JUACEP homepage, <http://www.juacep.engg.nagoya-u.ac.jp>. The activities are updated every week.

○ **Networking through SNS:** To share information and experiences and maintain friendships after the program among Nagoya University and American university students, use of SNS such as Facebook is encouraged.

