

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

Japan-US Advanced Collaborative Education Program (JUACEP)

【Aim of project, Ideals of Global Human Resource on the project】

Provide top-notch research-based education for master's course students in Engineering. Stimulate Japanese students and broaden their scope through co-study and co-work with foreign students in multi-cultural environment.

【Summary of project】

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

■ Forming the University Network with Quality Assurance

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

⟨Nagoya University student studying at UCLA⟩



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

Outbound: Master's course students visit the partner American universities as research scholars with J1 visa. Four credits are given from Nagoya University.

Inbound: Master's course students at American universities come to Nagoya and carry out independent research along with auditing several lectures. Nagoya University gives maximum 3 credits that is transferrable to the students' home universities.

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

Outbound: Students carry out researches that leads to publication to scientific journals and presentations at academic conferences. They get opportunities to use state-of-the-art equipment and facilities at the American universities along with taking several lectures. Four credits are given from Nagoya University.

Inbound: Students carry out Nagoya's unique researches. Maximum 3 credits are given from Nagoya University.

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

⟨American university students working on assembly/disassembly of a model engine ⟩



○ FY2013

Outbound: Sixteen graduate students have visited the University of Michigan/UCLA for 2 months. Also total 10 students including the students who started the program in the previous academic year have participated in the medium & long courses and studied/are studying at the University of Michigan/UCLA.

Inbound: Total 18 students have joined the summer course and studied at Nagoya University. The program consisted of research internship, several lectures on automotive and production engineering, and an automobile plant tour.

Workshop: To promote student exchange and partnership between the universities, a student workshop was held at UCLA and University of Michigan. A faculty workshop was also held in Nagoya.

■ Student-Mobility

○ **Outbound:** Two hundred Nagoya students are projected to visit American universities through student exchange and workshop.

○ **Inbound:** Seventy students at American universities are expected to visit and study at Nagoya University.

	2011	2012	2013	2014	2015
Outbound	37	50	51	32	22
Inbound	0	10	18	17	37

Note : FY2011-2013 results, FY2014 -2015 planned

■ Promotion of Student-Mobility Environment

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

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

⟨Party in Ann Arbor, MI. Both Nagoya University students and UM students who studied at Nagoya University in the previous year got together.⟩



■ Visualization of the Content of Education, Dissemination of the Outcomes

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