

【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 international research-based education for master's course students in Engineering, to stimulate Japanese students and broaden their English ability and scope through co-study and co-work with overseas students in a multi-cultural environment.

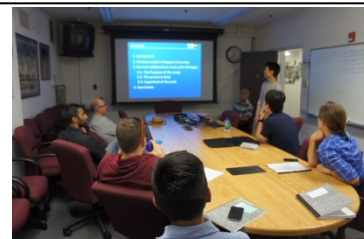
【Summary of project】

To carry out joint education with the University of Michigan and University of California Los Angeles (UCLA).

Exchange students and faculty to promote collaborative research and develop a global educational program that will lead to a joint graduate school in the future.

■ Forming a University Network with Quality Assurance

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



(Nagoya student giving a presentation at U of M)

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

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

Inbound: Master's course students at American universities come to Nagoya University and carry out independent research along with auditing several lectures. Nagoya University gives a maximum of three credits, which are counted as graduation credits for the participants from the University of Michigan.

○ Medium & Long-Term Exchange Courses (6 - 12 months)

Outbound: Students carry out research that leads to publication in scientific journals and presentations at academic conferences. They have opportunities to use state-of-the-art equipment and facilities at the American universities along with auditing several lectures. Two to six credits are given by Nagoya University.

Inbound: Students participate in NU's unique research program. Similar to the Short course, a maximum of three credits are given by Nagoya University.

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



(Toyota plant tour)

○ FY2014

Outbound: 12 graduate students visited the University of Michigan/UCLA for two months. Also, 9 students participated in the medium course (6 months) and 1 student participated in the long course (12 months). Some students have presented their results through the program at academic conferences.

Inbound: 17 students from the University of Michigan/UCLA joined the two-month course and 2 students from UCLA joined the medium course. The program consisted of research internships, several lectures on automotive and production engineering, and an automobile plant tour.

Faculty exchange: Prof. Kurabayashi at the University of Michigan stayed in Nagoya for 3 months and educated Nagoya University students. Also a faculty workshop was held at Nagoya University. 5 U of M and 3 UCLA professors were invited. Approx. 50 Nagoya faculty and students joined the workshop.



(UCLA student doing experiment in his lab at Nagoya University)

■ Student Mobility

○ Outbound: 200 NU Graduate School of Engineering students are expected to visit the American universities through student exchange and workshops.

○ Inbound: 70 students from American universities are expected to visit and study at Nagoya University.

	2011	2012	2013	2014	2015
Outbound	37	50	51	22	22
Inbound	0	10	18	19	37

Note : FY2011-2014 results, FY2015 planned

■ Promotion of Student Mobility Environment

○ Outbound: The coordinators (faculty at the American universities) support the visiting students to maximize their productivity. An English course is offered to increase their English proficiency.

○ 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.



(Snapshots from the Faculty Workshop. (Left) networking between NU students and UM faculty; (right) Lab tour)

■ Internationalization of the university

Information disclosure and publication of outcome

○ Program PR: JUACEP are lively publicized on the homepage at <http://www.juacep.engg.nagoya-u.ac.jp>.

○ Publication and presentation: Some students present their achievements through the program at academic conferences and publish papers.

