

Tokyo Institute of Technology

International Research Opportunities Program - TiROP - and Summer School

<Call for Applications 2012>

Tokyo Institute of Technology (Tokyo Tech) invites undergraduate and master course students from research universities in North America, Europe and Asia as noted below to apply to participate in its inaugural 2012 'Tokyo Tech International Research Opportunities Program (TiROP)' and 'Summer School'.

Overview

TiROP students will join a Professor's laboratory and conduct research projects under the supervision of renowned Tokyo Tech faculty. The research laboratories are located within the Ookayama (Tokyo) or Suzukakedai (Yokohama) campuses. Students participating in TiROP are eligible to join the Summer School, which offers classes on various topics including Advanced Technology at Tokyo Tech, Japanese language, and Japanese Culture and Society for credit for a non-degree seeking student.

The TiROP webpage <http://www.ipi.titech.ac.jp/tirop/index.html> provides detailed information about the program.

TiROP and Summer School Tracks and Scheduling

Two different TiROP tracks are offered:

- Research Intensive Track (TiROP)
- Research Track (TiROP) with Summer School

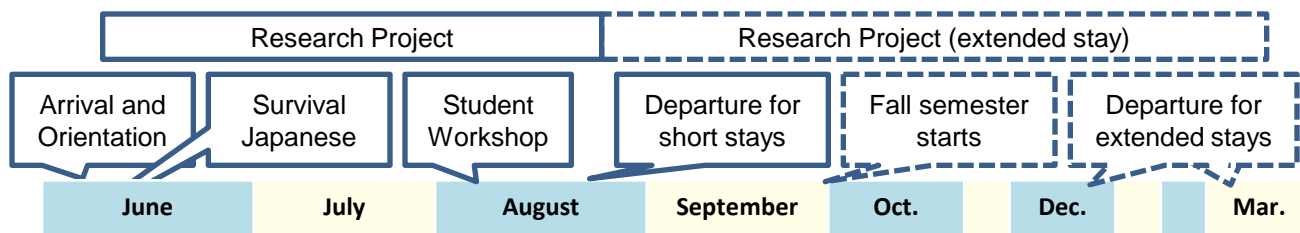
The period of stay varies based on the students' research plan and home university academic calendar.

Starting dates: beginning of June 1 or July 2, 2012

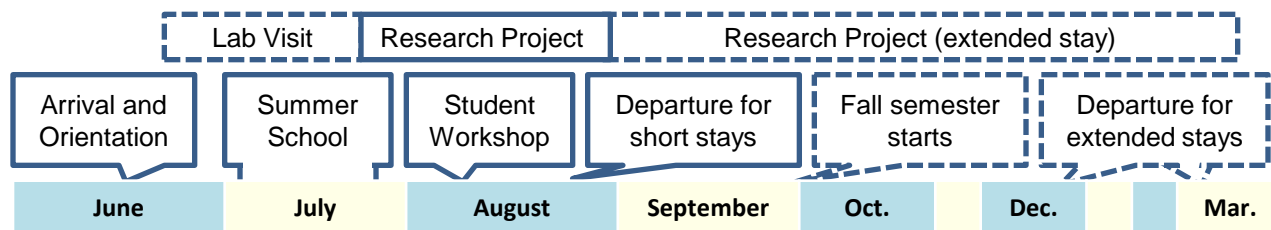
Note: The Summer School will start on July 2 with courses taught in English.

Ending dates: August for short stays (3-month stay), December 2012 (6-month stay) or March 2013 for extended stays.

a) Research Intensive Track (TiROP)



b) Research Track (TiROP) with Summer School



Program Overview

(1) TiROP

Participants can arrive any time in June. Students who arrive in the beginning of June can take a Survival Japanese class. Students will then undertake a research project in a laboratory under the supervision of a Tokyo Tech faculty member. Students enrolled in option (b) Research Track (TiROP) with Summer School will also participate in the Summer School for four weeks, and then undertake a research project in a laboratory under the supervision of a faculty member.

A two-day student workshop is scheduled in early August for the participants to present their summer research results. In addition, factory tours, sports or cultural activities will be organized.

Students who wish to continue their research projects under TiROP can extend their stay at Tokyo Tech until December 2012 (6-month stay) or March 2013 (9-month stay).

(2) Summer School

This four weeks' long series of courses taught in English will start on July 2, 2012. In the morning, survival Japanese language classes and Japanese Culture and Society classes will be held. In the afternoon, classes on advanced technology at Tokyo Tech will be given. The syllabi will be posted on the TiROP webpage in January 2012. Tokyo Tech will issue an official academic record (transcript) upon completion of the program.

Program Expenses

(1) Flight and Accommodation

Tokyo Tech will provide an economy class round-trip airline ticket and off-campus accommodations (free of charge) for participants

(2) Tuition, Fees and Stipend

University tuition and related fees for this program are waived. A stipend of up to US\$1000/month (80,000 yen/month) is provided to pay for living, commuting, and miscellaneous expenses.

Number of Participants

17 students in total

Eligibility Requirements

(1) Universities Participating in this Program

Students who are enrolled at one of the following universities are eligible.

California Institute of Technology, Massachusetts Institute of Technology, Georgia Institute of Technology, University of California-Berkeley, University of Washington-Seattle, University of Wisconsin-Madison, University of Minnesota-Twin Cities, University of Michigan, Stanford University, Brown University, Imperial College London, Delft University of Technology, ETH Zurich, RWTH Aachen University, ParisTech, Nanyang Technological University, Hong Kong University of Science and Technology

(2) Student Status

Undergraduate students who will enter their final year in the Fall of 2012 or master course students in the top quartile of their academic class

(3) Majors of Study

Engineering or Science

Application Information

(1) Application Deadline

February 10, 2012 (postmarked date)

(2) Application Procedure

See the Tokyo Tech TiROP webpage

<http://www.ipo.titech.ac.jp/tirop/index.html>



Poster session at student workshop

Schedule of TiROP and Summer School 2012 (tentative)

June						
a) Research Intensive Track (TiROP)	The starting date of the program is June 1, but students can arrive any time in June. Those who arrive in the beginning of June can take a survival Japanese class, and then start research projects in a laboratory.					
b) Research Track (TiROP) with Summer School	Students can arrive any time in June or on July 1. Those who arrive early in June can start a research project in a laboratory.					
July						
	2 (Mon)	3 (Tue)	4 (Wed)	5 (Thu)	6 (Fri)	
a) Research Intensive Track (TiROP)	Research Project					
b) Research Track (TiROP) with Summer School	a.m.	Registration	Survival Japanese 1	Survival Japanese 1	Survival Japanese 1	Survival Japanese 1
	p.m.	Orientation	Advanced Technology at Tokyo Tech	Advanced Technology at Tokyo Tech	Advanced Technology at Tokyo Tech	Advanced Technology at Tokyo Tech
	9 (Mon)	10 (Tue)	11 (Wed)	12 (Thu)	13 (Fri)	
a) Research Intensive Track (TiROP)	Research Project					
b) Research Track (TiROP) with Summer School	a.m.	Survival Japanese 1	Survival Japanese 1	Survival Japanese 1	Survival Japanese 1	Survival Japanese 1
	p.m.	Advanced Technology at Tokyo Tech	Advanced Technology at Tokyo Tech	Food for Thought + Recreation	Advanced Technology at Tokyo Tech	Advanced Technology at Tokyo Tech (Factory tour)
	16 (Mon)	17 (Tue)	18 (Wed)	19 (Thu)	20 (Fri)	
a) Research Intensive Track (TiROP)	Research Project					
b) Research Track (TiROP) with Summer School	a.m.	Holiday	Survival Japanese 2	Survival Japanese 2	Survival Japanese 2	
			Culture and Society of Japan (Modern Japan)	Culture and Society of Japan (Modern Japan)	Culture and Society of Japan (Modern Japan)	Culture and Society of Japan (Japanese industry)
	p.m.		Advanced Technology at Tokyo Tech	Food for Thought + Recreation	Advanced Technology at Tokyo Tech	Advanced Technology at Tokyo Tech (Factory tour)
	23 (Mon)	24 (Tue)	25 (Wed)	26 (Thu)	27 (Fri)	
a) Research Intensive Track (TiROP)	Research Project					
b) Research Track (TiROP) with Summer School	a.m.	Survival Japanese 2	Survival Japanese 2	Survival Japanese 2	Survival Japanese 2	Survival Japanese 2
		Culture and Society of Japan (Modern Japan)	Culture and Society of Japan (Science and society)	Culture and Society of Japan (Career path in Japan)	Culture and Society of Japan (Career path in Japan)	Advanced Technology at Tokyo Tech
	p.m.	Advanced Technology at Tokyo Tech	Advanced Technology at Tokyo Tech	Advanced Technology at Tokyo Tech	Culture and Society of Japan (Cross-Cultural Communication)	Farewell Session
July 30, 31/August						
Both a) Research Intensive Track (TiROP) and b) Research Track (TiROP) with Summer School	Students undertake research projects in laboratories. A two-day student workshop is scheduled in early August.					
September -						
Both a) Research Intensive Track (TiROP) and b) Research Track (TiROP) with Summer School	Students who wish to continue their research projects can extend their stay at Tokyo Tech until December 2012 (6-months stay) or March 2013 (9-months stay).					

Number of Tokyo Tech credits (non-degree seeking student credit)

Survival Japanese 1: 2 credits, Survival Japanese 2: 1 credit, Advanced Technology at Tokyo Tech: 2 credits, Culture and Society of Japan: 1 credit

Certificate and Transcript: For students that complete the entire program and submit a final report on their research, a certificate of completion will be issued by Tokyo Tech. An academic record (transcript) containing course grades will be available to participants in the Summer School.

Student Visa: All students are required to apply for a Japanese student visa immediately after receiving acceptance notification from this program.

Insurance: It is mandatory to enroll in the student accident and liability insurance policy upon arrival and be covered separately by medical and or travel insurance before arrival.

Search for Tokyo Tech Faculty Research Areas (T2R2): http://t2r2.star.titech.ac.jp/index_en.html

About Tokyo Tech

Tokyo Institute of Technology is a top national university of science and technology, founded in 1881 as the first professional engineering school in Japan. It seeks to contribute to world civilization, peace and prosperity, and aims at developing global human capabilities par excellence, through pioneering research and education in science and technology, including industrial and social management.

The University has three undergraduate schools, six graduate schools and multiple laboratories and research centers, and delivers the highest standard of education and research in various forms. 9 Global COE (Centers of Excellence) Projects sponsored by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) are operational in 2012, covering such broad fields as biological science, material science, molecular chemistry, computational science, photonics and electronics, nano science / quantum physics, seismology, energy science and planetary science.

Another noteworthy project is “TSUBAME”, one of the world’s top-level supercomputers. It has seen a dramatic improvement in performance since its original construction, and the newly developed TSUBAME 2.0 will create a new model in the world of computer science.

Location of Tokyo Tech and the city of Tokyo

Tokyo Tech campuses are located in metropolitan Tokyo. The Summer School will be held at Ookayama Campus, which is located within a 30 minute train ride from the city center. There is no place like Tokyo with its ultra-modern architecture, museums, fantastic cuisine, fish market, Japanese traditional culture, green spaces, urban lifestyle, fashion, shopping, digital electronics and high technology.

Tokyo is surrounded by natural wonders and world heritage sites such as Kamakura’s giant Buddha and Nikko’s famous shrines. The beach is less than one hour away and the mountains can be reached within 90 minutes.



Nissan Yokohama Factory Tour

Tokyo Tech Campus' Locations, Rail transportation and Tokyo Airports

