

Sub-program (Target Priority Area)	2. Environment-friendly and Balanced Economic Development
Component (CP) (Development Issues)	<b>2-2. Developing High-quality Infrastructure to Underpin Growth</b>
Expected Research Areas	<ul style="list-style-type: none"> <li>- Urban Policy</li> <li>- Urban/Regional Plan</li> <li>- Transportation Plan</li> <li>- Public Private Partnership</li> <li>- Complex Transportation</li> <li>- Urban Development Project Management</li> <li>- Geodesy Data Analysis</li> <li>- Waste Water Treatment Plan and Management</li> <li>- Logistics Management System</li> </ul>
Accepting University	<p><b>Nagaoka University of Technology</b> (Acceptable number of seat: 2)  GS of Civil and Environmental Engineering  Department of Civil and Environmental Engineering,  International Graduate Program for Human Resource Development  - Master of Engineering</p>
Background and Needs	<p>With the increasing population flow to the cities and uncontrolled expansion of urban areas, social infrastructure in the capital, Ulaanbaatar, in particular (transport, electricity, heat supply, water and sewage, schools, health and medical facilities, etc.) is being stressed by demand, inviting serious traffic jams, air pollution, declines in social services, and fixed inequality. In addition, the infrastructure that supports the expansion of tourism and agricultural fields which are seen to have high potential (such as roads connecting cities with provinces, airports, border management facilities, etc.) are under-developed, hampering growth. In the “Long-Term Development Policy Vision 2050” of Mongolia, “Formulation and Implementation of Infrastructure Construction and Regional Development Policy with the Policy of Promoting Economic Competitiveness and Regional Equal Development” is clearly stated as a priority issue. As a result, infrastructure development remains an area of focus for the long term.</p>
Direction of Study (Background of CP)	<p>The government of Japan established “Environment-friendly and Balanced Economic Development” as one of the key fields of its Country Assistance Policy for Mongolia (December 2017), and as a development issue, it focuses on developing high-quality infrastructure to underpin growth.</p> <p>In these fields, JICA provides support for construction of the New Ulaanbaatar International Airport, improvement of efficiency of Ulaanbaatar Thermal Power Plant No. 4, construction of the Mongolia-Japan Teaching Hospital, development of primary and secondary education facilities within Ulaanbaatar, and other infrastructure development projects. In addition, JICA has started examining new infrastructure projects in the fields of transportation and environment in order to solve urban issues faced by Ulaanbaatar. Moreover, JICA contributes to development of human resources as well through projects to improve operation and maintenance capacity of the new airport, to examine road surfacing technologies suitable for the Mongolian climate, and to strengthen occupational safety management systems at construction sites.</p> <p>The JDS Program focuses on support for strengthening abilities of human resources in related organizations for existing JICA projects such as urban and regional development planning, airport operation, and other projects implemented by the government of Japan in Mongolia. At the same time, it is expected to contribute to development of human resources in fields responsible for examining systems that contribute to the promotion of infrastructure development (Public-Private Partnership (PPP), public investment plans, etc.) and enacting policies in fields that will have high needs for infrastructure development (transportation policies, energy policies).</p>