The MIT Center for Transportation & Logistics (MIT CTL) is a world leader in supply chain management and transportation education and research. MIT CTL engages in three principal activities: research, outreach, and education.

Research

The center’s world-renowned research programs directly involve over 75 faculty and research staff from a wide range of academic disciplines, as well as researchers in various affiliate organizations around the world. MIT CTL has four main research programs: supply chain management and logistics; transportation; humanitarian and responsible supply chains; and the impact of aging on mobility, health, and wellness.

Supply chain management and logistics projects include FreightLab, Responsible Supply Chain Lab, Supply Chain Innovation, Supply Chain Resilience, Sustainable Logistics, and Visual Analytics Lab.

Transportation programs and projects include the MIT Program in Intelligent Transportation Systems and the Megacity Logistics Lab.

The Humanitarian Response Lab works with the UN, USAID, and various NGOs to improve the effectiveness of response to humanitarian disasters globally. The Responsible Supply Chains Lab works on both green/sustainable supply chain projects and social and environmental challenges.

The MIT AgeLab conducts research to improve quality of life for older adults and those who care for them, creating new ideas and translating technology into practical applications such as autonomous vehicles, community accessibility, and design and home service logistics.

Outreach

MIT CTL partners with industry to turn the center’s innovative research into market-winning applications. MIT CTL currently has more than 50 corporate partners worldwide who participate in events, interact with researchers, and contribute to and help steer research projects.

Education

MIT CTL’s top-ranked Supply Chain Management Program (SCM) offers two professional master’s degrees: a Master of Engineering (MEng) in Supply Chain Management, for students who wish to continue on in research of who plan to pursue a PhD, and a Master of Applied Science (MASc) in Supply Chain Management, for students who wish to pursue a career in various industries, including consulting, manufacturing, distribution, retail, software, and services. Students have the option of a 10-month residential program or those who successfully complete the MITx MicroMasters credential in Supply Chain Management can apply to complete the remaining degree requirements during an intensive five-month program in residence at MIT. Students interested in studying supply chain management and logistics, or in learning more about the center and its educational programs, should write to Dr. Bruce Arntzen (barntzen@mit.edu), MIT Center for Transportation & Logistics, Room E40-379.

MIT CTL runs the Global Supply Chain and Logistics Excellence (SCALE) Network. SCALE consists of six centers of excellence. There are two centers in Europe (Zaragoza, Spain and Luxembourg), one in South America (Bogota, Colombia), and two centers in Asia (Kuala Lumpur, Malaysia and Ningbo, China). All offer a graduate program that mirrors MIT’s SCM program, with the exception of the South American program, which offers a certificate program. Students from all six SCALE centers work on common projects and participate in a global exchange.

Students interested in the interdepartmental Master of Science in Transportation (MST) program administered through the Department of Civil and Environmental Engineering should contact the director of the Transportation Graduate Program. Several departments offer both master’s and doctoral degrees that allow a focus on transportation, including Aeronautics and Astronautics, Civil and Environmental Engineering, Urban Studies and Planning, and the Institute for Data, Systems, and Society.