Health and Humanitarian Supply Chain Management

Transforming systems to improve lives.

The professional certificate program in Health & Humanitarian Supply Chain Management encompasses a broad range of topics related to emergency or long-term issues in health and humanitarian systems. Topics include preparedness for, response to, and recovery from humanitarian crises such as natural and manmade disasters; healthcare delivery; and improving systems for addressing chronic health challenges as well as promoting long-term health and wellbeing.

Value of the Program

Attendees will:

- Provide immediate impact to their organization through learnings gained from applied, real-world case studies
- Interact with others from NGOs, private industry, and/or government entities, enhancing collaboration, cooperation, and communication
- Build a critical knowledge base to apply analytical models to aid in supply chain management decisions such as forecasting, inventory management, and distribution
- Develop strategies for the management and allocation of scarce resources accounting for specific product characteristics and supply chain network structure
- Deliver best-practices for improving system outcomes of humanitarian relief efforts through coordination and collaboration among strategic partners
- Ultimately transform global health and humanitarian operations through improved planning and strategic decision making for effective supply chain management

The course enlightened me in many aspects of the humanitarian supply chain process. The forecasting and decision making tools will provide me with a lot of opportunities to optimize both processes and supply chains.

–Sanne Wijnhorst, Procurement Specialist for Oxfam Novib (Netherlands)

I understood more how I need to use mathematical modelling in supply chain analysis, design and address easily right recommendations for decision making.

–Yves Lucien Hakarimana, Tropical Health specialist at the UN Population Fund (UNFPA) in Rwanda

The participants have had very comprehensive and diverse knowledge and experience in their field and hence we could share the best practices.

–Mohammed Visram, Pharmacist, Kagara Regional Health Management Team (RHMT), Tanzania

The learning experience is maximized through our blended delivery format, consisting of an online pre-course module in addition to face-to-face, instructor-led classroom time and group work.

Who Should Attend

- Tactical & strategic members of non-governmental organizations
- Private corporations involved in humanitarian response or healthcare delivery
- Members of other health and humanitarian organizations
- Local, state, or federal government employees
- Foreign government or public health officials
- Representatives of foundations that support health and humanitarian related efforts
- Military personnel
2019 Health & Humanitarian Supply Chain Management Certificate

Pre-Planning Strategy for Health and Humanitarian Organizations
May 13-14, 2019 | 1.8 CEUs

Delivering sustainable solutions for public health and humanitarian events is generally impacted by dynamic and hard to measure factors such as geographic location, social and political conditions, as well as local economy and infrastructure. Mapping long-term development efforts and responding to healthcare or humanitarian challenges often involves uncertainty in timing, scope, or scale. Pre-planning for these efforts requires an understanding of various topics such as: forecasting, distribution, network design, and inventory management. This course will examine methods and models for making pre-planning decisions and explore the significant value that is obtained through informed decision-making in advance of an unpredictable event or long-term strategy for sustaining wellness.

How You Will Benefit
› Develop and apply analytical models to aid in distribution and routing decisions
› Identify and apply the appropriate forecasting technique
› Discover current trends and procedures that place your organization and team members ahead of the curve
› Build a critical knowledge base to make tactical decisions around inventory, routing, and distribution
› Deliver best-practices to measure and evaluate outcomes of humanitarian relief efforts
› Ultimately transform the health & humanitarian sector with increased capacity to participate in planning and strategic decision-making for effective supply chain management

Systems Operations in Health and Humanitarian Response
May 17-18, 2019 | 2.2 CEUs

Despite having common goals, often the lack of cooperation and coordination between organizations or stakeholders active in public health and humanitarian relief lead to inefficiencies. A systems view is needed to ensure appropriate use of scarce resources to meet the multiple, and often conflicting, short- and long-term goals from multiple constituents. This course will focus on conceptual and modeling skills to understand and effectively manage healthcare delivery and humanitarian response from a systems perspective. Models will address system characteristics (e.g., demand dependencies) that drive system dynamics and policies to regulate performance. Course topics include methods for improving coordination and collaboration, addressing demand dependencies, and reliably measuring and evaluating system performance.

How You Will Benefit
› Identify methods for mitigating or reducing inventory variability and costs
› Identify opportunities for coordination within organizations and collaboration across organizations
› Describe the strategic behavior of decision makers and the impact of the market (or contract) structure on the participant’s actions and the overall system dynamics
› Define evaluation metrics in alignment with the system goals, structure system operations and incentives
› Discover current trends and procedures that will place your organization and team members ahead of the curve

Tactical Decision Making in Inventory and Supply Chain Management
May 15-16, 2019 | 1.7 CEUs

Numerous tactical decisions must be made in the midst of public health and humanitarian challenges. Many of these decisions are concerned with the timely and efficient procurement, allocation, and distribution of resources (e.g., funds, supplies, volunteers) through a supply chain. This course will explore methodologies for tactical decision making including procurement and inventory policies, strategies for distribution and allocation of limited resources, and transportation decisions.

How You Will Benefit
› Optimize procurement decisions with consideration of key factors affecting inventory policies such as lead time, variability, and product type (e.g., perishable goods)
› Compare and contrast inventory techniques for a single event versus ongoing operations
› Evaluate resource allocation tradeoffs in response to a health or humanitarian crisis
› Develop resources strategies and policies for the allocation of scarce resources in alignment with the supply chain network
› Optimize routing and storage of supplies on the transportation network across time and mitigate bottlenecks
› Develop strategies for allocating funds by incorporating the interdependencies of decisions across time and space

Scholarships
A limited number of scholarships will be available for participants from non-governmental organizations and/or from developing countries. For more information on scholarships, please visit: hhscenter.gatech.edu/professional-education. Scholarship support is made available through the generosity of The UPS Foundation, Andrea Laliberte and Richard E. and Charlene O. Zalesky.

Two Easy Ways to Register
Online: www.pe.gatech.edu/hhscm
Phone: 404-385-3501

Health and Humanitarian SCM Course Pricing
| Individual Course Price | $2,400
| 3-Course Certificate Price | $6,000**
| SCL & GT Alumni Discount Price* | $2,200

* SCL Alumni is defined as someone who has previously taken a course offered by the GT Supply Chain & Logistics Institute.

** $6,000 total for all three courses. Must purchase all three courses at once to receive discount.