

CETL Areas of Expertise Matrix

for Transportation & Logistics	Faculty										
	Business Administration		Industrial Engineering			Civil Engineering				Electrical & Computer Engineering	Software Engineering / Computer Science
Areas of Expertise	David F. Muñoz	Benjamin Rosa	Roxana Aparicio	Hector Carlo	Betzabé Rodríguez	Ivette Cruzado	Alberto Figueroa	Daniel Rodríguez	Didier Valdés	Nayda Santiago	Juan Medina
		★		★					☆		
Critical Supply Chain Infrastructure		★		★					☆		
Supply Chain Sustainability	☆	★		★	★						
Humanitarian Logistics		★		★	★			★	★		☆
Network Reliability		★		★			★	☆	★		
Regulatory Frameworks		★		☆			★		☆		
Disaster Response Plan		★		★	★	★	★		★		☆
Emergency Response Logistics		★		★	★	★	★	★	★		☆
Coopetition Modeling		☆		☆							
Supply Chain Optimization		★	☆	★	★			☆	☆		☆
Warehouse Modeling		★	☆	★					☆		
Distribution Center Modeling	☆	★		★					☆		
Multimodal Optimization		★	☆	★			★	★	★		★
Reshoring/ Nearshoring		★		☆							
Military Logistics		☆	★	★							
Port Infrastructure		☆		★			☆		☆		
Transportation Safety		★				★	★	★	★		★
Transportation Monitoring		★	☆	★		★	★	☆	☆		☆
Human Factors in Transportation		☆				★	★		★		★
Traffic & Congestion Management		★		★		★	★	★	★		★
Blue Economy		☆		☆			★		☆		
Intelligent Transportation Systems (ITS)		★		★		★	★	☆	★		★
Industrial Internet of Things (IIoT)		★	★	★					☆	★	★
Digital Twins			★	★				☆	☆	★	★
UAV			☆	☆			★		★	★	☆
Cold Chain		★		★							
Machine Learning			★	★		★		★	☆	★	★
Blockchain		☆	★	☆						★	
Emerging Technologies		☆	★	★					☆	★	★
Big Data Analytics	☆	★	★	★		★		☆	☆	★	
Cyber Security		☆		☆						★	
Smart Warehousing & Robotics	☆	★	☆	★							★
Simulation		★	★	★		★	★	☆	★		★