

MINIMUM CORE SUBJECT AREAS: LOGISTICS & TRANSPORTATION ENGINEERING

| AREA | SUBJECTS / DESCRIPTION | RECOMMENDED CONTACT HOURS |
|---|--|---------------------------|
| A recommendation of 30 hours each in 2 out of 4 areas below, totaling no less than 60 hours. | | |
| 1. Logistics Engineering | - selected topics on some of the following list: warehouse management; material management; operation management; transportation management; inventory management; vendor management; distribution management; procurement, and sourcing, etc. | 30 |
| 2. Supply Chain Management | - selected topics on some of the following list: Logistics information systems; Resources Planning and allocation; Logistics systems, safety and security; e-commerce application; supply chain network design, etc. | 30 |
| 3. Transportation Engineering | - selected topics on some of the following list: the basic characteristics of different transportation modes, land use and transportation planning, equilibrium analysis, cost-benefit analysis, travel demand modeling and forecasting, highway alignment and geometric design, transportation surveys, traffic impact assessment, etc. | 30 |
| 4. Traffic Operations and Management | - selected topics on some of the following list: theory of traffic flow, traffic surveys, traffic management, road junctions design, traffic safety, transportation infrastructure planning, design implementation and maintenance, etc. | 30 |