

Course Contents:

Earthwork (soil and aggregate) related equipments: Aggregate production crushers and their types, feeders, screens and handling equipment. Tractors, motor graders, scrapers, front-end loaders, dozer, excavators, rippers, loaders, trucks and hauling equipment, compacting equipment, finishing equipment, handling and transportation operations (such as forklifts and related equipment, portable material bins, conveyors, cranes, trucks, etc.); Asphalt construction: Asphalt pavers, compactors for asphalt concrete and other construction methods; Concrete construction: Mixing and placement-pumps, ready-mix concrete trucks, plant operational equipment, concrete paving technology, continuous concreting operation of various shapes & varying sections; Pre-cast concrete and steel construction: Launching techniques for heavy decks, handling & erecting components on tall structures, in-situ pre-stressing in high-rise structures and others; Pre-stressed concrete construction: Post-tensioning of slab-aerial transporting and others; Special construction: Tunnel, underwater, offshore, tall buildings, large-span bridges or structures and others;