MOBILITY PLANNING & INFRASTRUCTURE

The planning, design, development and management of mobility services and infrastructure.

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MOBILITY PLANNING & INFRASTRUCTURE

CAREER PATHWAYS

PLANNING AND POLICY

TECHNICAL SKILLS

Computer Aided Design CAD, Microsoft Project, The MathWorks MATLAB, Autodesk AutoCAD, Geographic Information System (GIS), Planning, Analytical Skills, Systems Analysis, Operations Analysis, Mathematics, Microsoft Visio, Graphics or Photo Imaging Software, Budgeting, Analytical or Scientific Software, Programming Languages, Web Platform Development Software, Desktop Publishing Software, Data Analysis, Relational Databases, Data Science/Data Engineering, Artificial Intelligence, Simulation, Active Safety and Decarbonization, Hybridization and Electrification.

POTENTIAL OCCUPATIONS

Engineering Managers, Architecture and Science Managers, Civil Engineers, Urban and Land Use Planners, Civil Engineering Technologists and Technicians, Drafting Technologists and Technicians and Mobility Policy Specialist.

INFRASTRUCTURE DESIGN AND DEVELOPMENT

TECHNICAL SKILLS

Atlassian JIRA, Oracle JD Edwards EnterpriseOne, Computer Aided Design (CAD), Structured Query Language SQL, Teradata Database, Oracle Primavera Enterprise, Project Portfolio Management, Geographic Information System (GIS), Confluence, Microsoft SharePoint, SAP Crystal Reports, Network Administration, Business Analysis, Agile Software Development, Machine Learning, Quality Assurance, Artificial Intelligence (AI), Information Systems, Systems Analysis, Mathematics, Telecommunications, Cybersecurity Software, Graphics or Photo Imaging Software, Operating System Software, Analytical or Scientific Software, Programming Languages, Web Platform Development Software, Desktop Publishing Software, Cloud Computing, Data Analysis, Relational Databases, Web Design, Data Science/Data Engineering, Active Safety and Decarbonization, Hybridization and Eelectrification.

POTENTIAL OCCUPATIONS

Civil Engineers, Civil Engineering Technologists and Technicians, Electrical and Electronics Engineers, Information Systems Analysts and Consultants, Database Analysts and Data Administrators, Drafting Technologists and Technicians, Software Engineers and Designers, Computer Network Technicians, Information Systems Testing Technicians, Engineering Managers and Computer and Information Systems Managers.

MOBILITY MANAGEMENT AND OPERATIONS

TECHNICAL SKILLS

Atlassian JIRA, Oracle JD Edwards EnterpriseOne, Computer Aided Design (CAD), Structured Query Language SQL, Teradata Database, Oracle Primavera Enterprise Project Portfolio Management, Geographic Information System (GIS), Confluence, Microsoft SharePoint, SAP Crystal Reports, Network Administration, Business Analysis, Agile Software Development, Machine Learning, Quality Assurance, Artificial Intelligence (AI), Information Systems, Systems Analysis, Mathematics, Telecommunications, Cybersecurity Software, Graphics or Photo Imaging Software, Operating System Software, Analytical or Scientific Software, Programming Languages, Web Platform Development Software, Desktop Publishing Software, Cloud Computing, Data Analysis, Relational Databases, Web Design, Data Science/Data Engineering, Active Safety and Decarbonization, Hybridization and Electrification.

POTENTIAL OCCUPATIONS

Civil Engineers, Civil Engineering Technologists and Technicians, Drafting Technologists and Technicians, Electrical and Electronics Engineers, Information Systems Analysts and Consultants, Database Analysts and Data Administrators, Software Engineers and Designers, Computer Network Technicians, Information Systems Testing Technicians, Engineering Managers, Computer and Information Systems Managers, Bus Drivers, Subway Operators and Other Transit Operators and Taxi And Limousine Drivers and Chauffeurs.

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