

# LOGISTICS COURSE SUMMARIES

## INTRODUCTORY

### **LOG1010: LOGISTICS**

Students identify logistics as a sector in Canada's economy, by describing related subsectors, users and providers of logistics services. Students also identify current and emerging career paths in logistics.

*Prerequisite:* None

### **LOG1020: WAREHOUSE & DISTRIBUTE 1**

Students explore warehousing and distribution systems as subsectors of logistics and participate in warehousing, materials handling systems, stock placement and documentation activities.

*Prerequisite:* LOG1010: Logistics

### **LOG1030: TRAFFIC & TRANSPORT 1**

Students distinguish among modes, vehicles and vessels involved in transportation, identify the advantages and disadvantages of single mode and intermodal usages, and demonstrate basic skills related to map reading, technology, handling equipment and handling dangerous goods.

*Prerequisite:* LOG1010: Logistics

### **LOG1040: PURCHASING 1**

Students identify the role of purchasing, distinguish between public and private purchasing activities, perform expediting activities, and provide service to internal and external customers.

*Prerequisite:* LOG1010: Logistics

### **LOG1910: LOG PROJECT A**

Students develop project design and management skills to extend and enhance competencies and skills in other CTS courses through contexts that are personally relevant.

*Prerequisite:* None

## INTERMEDIATE

### **LOG2010: WAREHOUSE & DISTRIBUTE 2**

Students examine types of warehousing and develop basic skills in packaging, packing, documentation and materials handling. Students also explore bonding principles and practices and career opportunities within the warehousing and distribution sector.

*Prerequisite:* LOG1020: Warehouse & Distribute 1

### **LOG2020: TRAFFIC & TRANSPORT 2**

Students develop basic skills in tracking, route planning, scheduling, load planning and other competencies related to handling outgoing shipments, including documentation, customs (import and export), weather and climate conditions, and strategies for preventive maintenance in traffic and transportation.

*Prerequisite:* LOG1030: Traffic & Transport 1

### **LOG2030: PURCHASING 2**

Students develop an understanding of the principles of locus of control, economies of scale, risk management, surface and hidden costs, tendering and procurement. Students also perform purchasing activities and address related factors, including budgets and inflation, within an organization's decision-making structure.

*Prerequisite:* LOG1040: Purchasing 1

### **LOG2040: INVENTORY MANAGEMENT 1**

Students identify the role of inventory management and control, and participate in and demonstrate basic abilities to manage and control inventory.

*Prerequisite:* LOG1010: Logistics

**LOG2910: LOG PROJECT B**

Students develop project design and management skills to extend and enhance competencies and skills in other CTS courses through contexts that are personally relevant.

*Prerequisite: None*

**LOG2920: LOG PROJECT C**

Students develop project design and management skills to extend and enhance competencies and skills in other CTS courses through contexts that are personally relevant.

*Prerequisite: None*

**LOG2950: LOG INTERMEDIATE PRACTICUM**

Students apply prior learning and demonstrate the attitudes, skills and knowledge required by an external organization to achieve a credential/credentials or an articulation.

*Prerequisite: None*

**ADVANCED****LOG3010: WAREHOUSE & DISTRIBUTE 3**

Students develop an understanding and competencies related to stock movement and placement procedures, product tracking and the use of automated warehouse systems. Students also develop competencies in labeling, containerizing and palletizing items.

*Prerequisite: LOG2010: Warehouse & Distribute 2*

**LOG3020: TRAFFIC & TRANSPORT 3**

Students explore transport regulations and licensing and develop competency in planning a route and developing contingency plans.

*Prerequisite: LOG2020: Traffic & Transport 2*

**LOG3030: PURCHASING 3**

Students develop knowledge about contract and business law, supplier quality assurance and performance management. Students also develop negotiation skills and an appreciation for the importance of professional ethics.

*Prerequisite: LOG2030: Purchasing 2*

**LOG3040: INVENTORY MANAGEMENT 2**

Students demonstrate competencies related to product movement and replenishment strategies, budgeting, internal controls and asset recovery.

*Prerequisite: LOG2040: Inventory Management 1*

**LOG3910: LOG PROJECT D**

Students develop project design and management skills to extend and enhance competencies and skills in other Career and Technology Studies (CTS) courses through contexts that are personally relevant.

*Prerequisite: None*

**LOG3920: LOG PROJECT E**

Students develop project design and management skills to extend and enhance competencies and skills in other Career and Technology Studies (CTS) courses through contexts that are personally relevant.

*Prerequisite: None*

**LOG3950: LOG ADVANCED PRACTICUM**

Students apply prior learning and demonstrate the attitudes, skills and knowledge required by an external organization to achieve a credential/credentials or an articulation.

*Prerequisite: None*