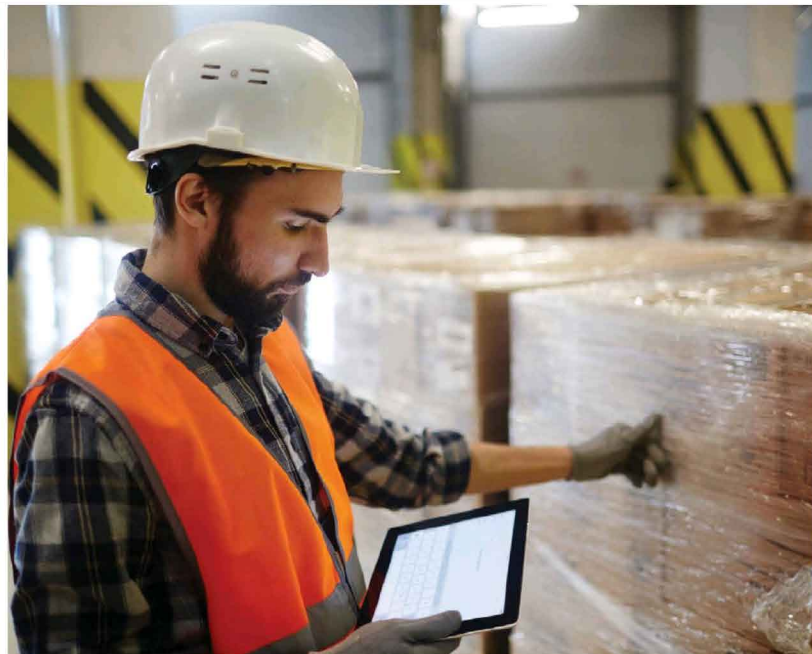




# CONTINUING EDUCATION



## Supply chain management evolves



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### Education Leaks INDUSTRY 4.0 INITIATIVE

Humber College and SEW-EURODRIVE have announced a five-year partnership agreement designed to build awareness and provide training and applied research opportunities related to Industry 4.0 technologies, a critical aspect of advanced manufacturing. Industry 4.0 places a high value on clean technology, renewable energy and robotics and transforming traditional factories into smart ones using the Internet of Things (IoT) and cloud computing. As part of the agreement, SEW-EURODRIVE will showcase its Industry 4.0 laboratory for the first time in North America.

#### Funding LIFTS fashion hub

George Brown College has received \$2.5 million in infrastructure funding for its Fashion Exchange, an innovative new facility that combines fashion education, design, production, entrepreneurship and engagement. The funding will support the expansion of research capabilities for the Fashion Exchange's LIFT (Leading through Innovation in Fashion Technologies) research program. FX will

allow Canadian apparel businesses to overcome technical, systemic, design and manufacturing challenges at all stages of the product lifecycle chain. It will enable companies to adopt digital manufacturing technologies and approaches to design, and to manufacture products locally, moving new, innovative products to market faster. It supports industry transformation to not only enhance fashion, apparel and textile industry innovation and competitiveness but also reduce social and environmental impacts.

#### Most grads to pursue further education

More than two thirds of undergraduate students in their final year of study at a Canadian post-secondary institution expected to enroll in further education within the next five years, according to the most recent Canadian University Survey Consortium. About 60% of students surveyed had some form of learning-related work experience in their final year of study in 2018 – working about 18 hours per week. Of those, 42% said their work “has at least somewhat of a negative impact on their academic performance.”

LINDA WHITE  
Special to Postmedia Network

From the first assembly lines to today's advanced robotics and drones, the supply chain process continues to evolve and with those changes come demand for new skills.

“Supply chain is an innovative field that is constantly reinventing itself,” says Al-Azhar Khalfan, president and CEO of the Supply Chain Management Association (SCMA) of Ontario.

“Many supply chain jobs that will be in demand five years from now may not even exist today. However, supply chain managers will always make things happen profitably, reliably and deliver them when they are needed. The accountability over cost, quality and speed will always rest in the hands of supply chain managers.”

Supply chain management is the profession that manages the flow of goods, services, finance and information within and among organizations – from raw materials to end users – in the most efficient and effective manner possible, SCMA explains. It's how organizations provide goods and/or services

to their customers. The goal is to maximize value, manage risk and support organizational goals through integration and optimization of the supply chain.

There are many roles in the supply chain field but most require a common skillset that includes analytical, communication and computer skills. Flexibility, motivation, the ability to work as a member of a team and project management skills are also valued.

Supply chain managers are in demand across all industries. According to a 2017 labour market study by the Canadian Supply Chain Sector Council, about 8,800 new supply chain jobs were created between 2010 and 2017. Another 39,500 roles will be created between 2017 and 2021 – a number that will compound the challenges the industry already anticipates as it fills jobs left vacant due to retirement and turnover, the SCMA says.

The greatest increase in job growth is expected to occur in professional and high-tech occupations such as:

- Database analysts and database administrators
- Computer and information systems managers
- Information systems analysts and consultants
- Professional occupations in business services, including consulting and compliance
- Logistics coordinators and supply chain supervisors/managers

According to a 2017 report from the Global Supply Chain Institute, innovations like robotics, automation, drones, wearables and 3D printing promise to disrupt the supply chain sector. Advanced analytics is also expected to improve optimization in various logistics activities, which will likely lead to accelerated growth in those tech occupations.

In Ontario, SCMA has agreements with 10 colleges and two universities for advanced standing for those who'd like to pursue the Certified Supply Chain Management Professional (CSCMP) designation. These agreements allow for exemptions for certain components within the CSCMP program,

creating shortened curriculum and delivering cost savings.

George Brown College's supply chain management certificate provides an overview of many of the key components of supply chain management and logistics, such as strategic management, resource planning, technology, global issues, procurement, warehousing and material handling. The courses explore current trends and concentrate on the areas of the supply chain that are experiencing the most growth.

Seneca College's supply chain management – global logistics program integrates enterprise resource planning (ERP) in several subjects. The SCMA and Durham College have signed an agreement to make the path to the certified Supply Chain Management Professional designation more efficient for recent graduates and current students of Durham's materials and operations management – business administration program. The Schulich School of Business at York University is launching a master of supply chain management. ■