

Supply Chain Management (MS)

This program is offered by the George Herbert Walker School of Business and Technology. It is available online.

Program Description

Supply chain management is the foundation for enterprises to develop and deliver goods and services. This program will provide learnings of the end-to-end supply chain from a global perspective delivered through 10 courses covering multiple supply chain disciplines. Through the use of various learning tools and technology students will gain comprehensive knowledge in the areas of global operations, planning, production, operations management, procurement, inventory management, transportation, warehouse, enabling technology, analytics, project management, lean operations, sustainability, and the opportunity to become SC Pro Level 1 certified through the Council of Supply Chain Management Professionals if the student chooses to take the CSCMP exam after completion of BUSN 6400. Upon graduation, students will be able to apply their learnings cross sector and cross industry, driving business operations and optimization.

Learning Outcomes

- Students can explain fundamental supply chain management concepts, techniques, and practices and how a supply chain interacts with other business areas, both functional and technical.
- Students can use the fundamentals of operations management to effectively design products/services and manufacturing/service systems.
- Students can use the principles of purchasing and supply management to structure and analyze procurement challenges.
- Students can describe the components and decisions in logistics, inventory and warehouse management and can perform analysis.
- Students can apply enabling technology to manage supply chain activities and can apply tools to coordinate and optimize overall supply chain performance.
- Students can identify potential risks in a supply chain and develop mitigation strategies.
- Students can develop an end-to-end value chain strategy in support of the overall business objectives for internal and external customers.
- Students can integrate ESG strategy in a supply chain.
- Students can communicate effectively orally and in writing at all levels appropriately.

Program Curriculum

The 30 credit hours required for the master of science (MS) must include the following courses:

- BUSN 5220 Global Supply Chain Management (3 hours)
- BUSN 5400 Supply Chain Planning & Inventory Management (3 hours)
- PROC 5000 Procurement & Acquisitions Management (3 hours)
- BUSN 5410 Transportation Management (3 hours)
- BUSN 5420 Warehouse Management (3 hours)
- BUSN 5970 Supply Chain Data Analytics (3 hours)
- BUSN 6110 Production and] TJ ET>> BDC BT /F1 8W57>> BDC BT /F3 10 Tf 1 0 0 -1 0 Tm [(*)] TJ ET EMC /P <</MCID 63>> BDCBT /F1 8 Tf 1 0 0 -1