LOGISTICS AND SUPPLY CHAIN MANAGEMENT, ASSOCIATE OF APPLIED SCIENCE

Resilient supply chains, real impact.

The Bachelor of Applied Technology (BAT) in Logistics and Supply Chain Management prepares students to plan, coordinate, and optimize the flow of goods, services, and data across local and global networks. The program builds on lower-division technical and general education coursework and adds upper-division study in supply chain strategy, procurement and supplier management, inventory and production control, transportation and distribution, data analytics, technology enablement, risk and continuity planning, and leadership for operational excellence. Emphasis is placed on practical application through case studies, projects with industry data, and a culminating capstone and/or internship aligned to regional workforce needs.

Career Opportunities and Income

Visit sanjac.edu (https://www.sanjac.edu/programs/areas-of-study/manufacturing/global-logistics/) for information regarding career opportunities and potential earnings in the Greater Houston region.

Learning & Career Pathway

This learning pathway - a series of related and "stacked" certificates and degrees - includes the following awards. You can start at any point on the path and earn certificates on your way to completing the degree.

- Logistics and Supply Chain Management, Certificate of Technology (https://publications.sanjac.edu/areas-study/business/logistics-supply-chain-management-certificate-technology/) (1.5 years)
- Logistics and Supply Chain Management, Associate of Applied Science (https://publications.sanjac.edu/areas-study/business/logistics-supply-chain-management-aas/)(2 years)
- Logistics and Supply Chain Management, Bachelor of Applied Technology (https://publications.sanjac.edu/areas-study/business/logistics-supply-chain-management-bat/) (4 years)

San Jacinto College works with many Houston-area and Texas universities that offer bachelor's degrees that are a great next step after earning the Bachelor of Applied Technology in Logistics and Supply Chain Management. The MAPS tab above shows transfer plans for these universities.

Learning Outcomes and Career Skills

A student completing the last award in the pathway will be able to:

- Supply Chain Strategy, Design, and Sustainability: Develop and implement relationships that align with organizational goals, emphasize sustainability and ethics, and account for the interconnectedness of global markets and geopolitical influences.
- Procurement, Supplier Relationship, and Financial Management: Manage procurement processes focusing on ethical sourcing, contract negotiation, and trade-off evaluation.
- Inventory, Production, Quality Management: Optimize inventory and production systems by applying data-driven insights to enhance quality and efficiency.
- Logistics, Distribution, and Global Compliance: Manage logistics operation while ensuring compliance with international regulations and navigating the complexities of global markets.
- Demand Forecasting and Supply Chain Analytics: Utilize analytics and digital tools to forecast demand and improve decision-making.
- Technology and Digital Transformation in Supply Chain: Embrace emerging technologies focusing on data analysis to support operational roles in logistics organizations.
- Risk and Continuous Improvement Management: Proactively identify, assess, and manage risks in logistics operations by employing continuous improvement techniques to enhance performance.
- Leadership, Collaboration, and Change Management in Supply Chain: Cultivate negotiation, communication, and leadership skills to manage teams.

External Learning Experiences

This program includes external learning experiences outside of the classroom, e.g., an internship, externship, clinical, practicum, or cooperative learning experience. Those experiences are typically on-site at a business or organization.

All students participating in external learning experiences are required to comply with the immunization requirements and policies of the external learning sites. Some learning sites outside the college have their own vaccination requirements. These rules come from those facilities and are not mandated from the college. Failure to meet those immunization requirements may limit a student's ability to complete the program and/or may delay the student's graduation date. San Jacinto College does not process exemptions, and students should address potential vaccination exemptions directly with the external learning site.

Locations

- North (https://www.sanjac.edu/about/locations/north/)