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/)

College Admission

San Jacinto College is an open admission institution. All students are welcome to apply and will be admitted to the College. You may begin the process on the College's "How to Apply (https://www.sanjac.edu/admissions/how-to-apply/)" webpage.

Program Admission

There are no additional admission requirements for the Logistics and Supply Chain Management program; you only need to complete your application to the College, as noted in "College Admission" above, and follow the enrollment steps.

Plan of Study

3LOG-MGMT

First Year		
First Term		**Credits**
LMGT 1319	Introduction to Business Logistics	3
BCIS 1305 or ITSC 1309	Business Computer Applications or Integrated Software Applications I	3
LMGT 1321	Introduction to Materials Handling	3
ENGL 1301	Composition I	3

BUSI 1301	Business Principles	3
	Credits	**15**
Second Term		
LMGT 1325	Warehouse and Distribution Center Management	3
IBUS 1301	Principles of Exports	3
GEOG 1302	Human Geography	3
ENGL 1302 or ENGL 2311	Composition II or Technical and Business Writing	3
IBUS 1302	Principles of Imports	3
	Credits	**15**
Second Year		
First Term		
ECON 2302	Principles of Microeconomics	3
LMGT 2388 or IBUS 2332	Internship: Logistics and Materials Management or Global Business Simulation	3
BMGT 1392	Special Topics in Purchasing, Procurement, and Contracts Management	3
LMGT 2330	International Logistics Management	3
SPCH 1315	Public Speaking	3
	Credits	**15**
Second Term		
LMGT 1345	Economics of Transportation and Distribution	3
IBUS 2341	Intercultural Management	3
LMGT 1323	Domestic and International Transportation Management	3
LMGT 2334	Principles of Traffic Management	3
MATH 1332 or MATH 1314	Contemporary Mathematics (Quantitative Reasoning) or College Algebra	3
	Credits	**15**
	Total Credits	**60**

Capstone Experience: LMGT 2388 Internship: Logistics and Materials Management or IBUS 2332 Global Business Simulation

[1] Students desiring to obtain a baccalaureate degree should take MATH 1314 College Algebra.

If you do not see your transfer school, please follow the Plan of Study (https://publications.sanjac.edu/areas-study/construction-industry-manufacturing-transportation/logistics-supply-chain-management-aas/#planofstudytext). For more information, contact the Department Chair on your campus. Please speak to an advisor at San Jacinto College and the transfer institution to ensure this Transfer Plan is accurate and complete. For a list of all MAPs, students may go to Transfer Plans A-Z (https://publications.sanjac.edu/transfer-plan-maps/). Students may filter for specific universities, disciplines, or degrees, and print individual MAPs.

Lamar, Global Logistics & Supply Chain Management, Industrial Tech, BSIT Full-time (https://publications.sanjac.edu/map-lamar-global-indust-tech-bsft/)

Lamar, Global Logistics & Supply Chain Management, Industrial Tech, BSIT Part-time (https://publications.sanjac.edu/map-lamar-global-indust-tech-bspt/)