

# LOGISTICS AND SUPPLY CHAIN MANAGEMENT, BACHELOR OF APPLIED TECHNOLOGY

## 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) (<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/construction-industry-manufacturing-transportation/logistics-supply-chain-management-certificate-technology/>) (1.5 years)
- Logistics and Supply Chain Management, Associate of Applied Science (<https://publications.sanjac.edu/areas-study/construction-industry-manufacturing-transportation/logistics-supply-chain-management-aas/>) (2 years)
- Logistics and Supply Chain Management, Bachelor of Applied Technology (<https://publications.sanjac.edu/areas-study/construction-industry-manufacturing-transportation/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

In addition to being admitted to the College, students must also be admitted to the Logistics and Supply Chain Management BAT program which has additional requirements and/or steps.

Our Bachelor of Applied Technology in Logistics and Supply Chain Management program is specifically designed for students who have completed an associate degree of applied science in logistics and supply chain management and are ready to advance their careers. It builds upon your existing knowledge with advanced, applied coursework, ensuring you gain the strategic and analytical capabilities needed to excel in leadership roles within the logistics and supply chain sector. With 100% of the job postings reviewed requiring a bachelor’s degree, this program provides the essential credential for your career advancement.

The application process includes:

- Fulfilling college admission requirements.
- Submitting official transcripts.
- Participating in an information session.

Additionally, applicants must undergo a transfer credit evaluation to align previous academic achievements with the curriculum. The program, encompassing 120 credit hours, integrates 60 credit hours from the associate degree in logistics and supply chain management with 60 further credit hours within the BAT program, including 36 upper-level logistics-specific classes.

Upper-level logistics classes will be offered in a hybrid format, meaning students must attend each course in person at least once a week.

## Plan of Study

BAT-LOGMGT

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
<b>Credits</b>		<b>15</b>
Second Term		
LMGT 1325	Warehouse and Distribution Center Management	3
IBUS 1302	Principles of Imports	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
<b>Credits</b>		<b>15</b>
Second Year		
First Term		
LMGT 1345	Economics of Transportation and Distribution	3
LMGT 1323	Domestic and International Transportation Management	3
IBUS 2341	Intercultural Management	3
LMGT 2334	Principles of Traffic Management	3
MATH 1332 or MATH 1314	Contemporary Mathematics (Quantitative Reasoning) or College Algebra	3
<b>Credits</b>		<b>15</b>
Second 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
Select one of the following: <sup>1</sup>		3

SPCH 1311	Introduction to Speech Communication	
SPCH 1315	Public Speaking	
SPCH 1318	Interpersonal Communication	
SPCH 1321	Business and Professional Communication	

**Credits 15**

### Third Year

#### First Term

Life and Physical Science (Natural Science)		4
GOVT 2305	Federal Government (Federal Constitution and Topics) <sup>2</sup>	3
Creative Arts (Fine Arts)		3
HIST 1301	United States History I	3
EDUC 1100	Learning Framework	1

**Credits 14**

#### Second Term

HIST 1302	United States History II	3
Life and Physical Science (Natural Science)		4
GOVT 2306	Texas Government (Texas Constitution and Topics) <sup>2</sup>	3
SCLM 3310	Supply Chain Management	3

**Credits 13**

#### Third Term

SCLM 3315	Communication and Negotiation Strategies	3
SCLM 3386	Logistics Internship	3

**Credits 6**

### Fourth Year

#### First Term

SCLM 3318	Strategic Logistics Management	3
SCLM 3330	Logistics and Supply Chain Analytics	3
SCLM 3350	Navigating Global Markets and Trade Compliance	3
SCLM 3311	Digital and Technological Literacy	3

**Credits 12**

#### Second Term

SCLM 4320	Leadership & Operations Management	3
SCLM 4330	Applied Quality Management in Manufacturing	3
SCLM 4340	Risk Management Assessment and Mitigation	3
SCLM 4350	Supply Chain Sustainability and Resilience (Capstone Experience)	3
SCLM 4310	Applied Senior Project	3

**Credits 15**

**Total Credits 120**

Capstone Experience: SCLM 4350 Supply Chain Sustainability and Resilience

<sup>1</sup> SPCH 1315 Public Speaking is recommended to fulfill the SPEECH component.

<sup>2</sup> Students who have completed any of the following course combinations can use it to fulfill the Government/Political Science Core requirement: GOVT 2301 with GOVT 2302, GOVT 2305, or GOVT 2306.

Students who completed GOVT 2302 may use it with either GOVT 2305 or GOVT 2306 but must also have completed GOVT 2107.

If you do not see your transfer school, please follow the Plan of Study (p. 2). For more information, contact an Admissions Advisor. 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.