

# International Business–Maritime and Logistics Specialty

(6INTL-MAR, 4INTL-MAR, 3INTL-MAR)



For every one seafarer licensed to work on a boat as tankerman, deckhand, engineer, or mate, the businesses of maritime shipping, logistics, and supply chain management employ nine professionals to coordinate, supervise, and manage shipping operations on shore.

While logistics is a relatively narrow field, job growth is expected to be higher than average as supply and distribution systems grow increasingly complex. Unlike many fields that are downsizing, the maritime business and logistics sector offers many different job careers to choose from. The U.S. Labor Department estimates employment to increase by 25.5 percent between 2010 and 2020. There is a high demand for workers to fill open positions in logistics and maritime business fields as job openings outweigh the supply of workers.

Logistics management offers everything you want in a career—job openings at all levels, excellent salaries, upward mobility, exciting responsibilities and worldwide opportunities throughout the company – from loading dock to boardroom.

Logistics creates jobs that don't move offshore and lead to economic growth in multiple sectors, such as the energy industry, consumer goods, cruise industry.

Supply Chain Management involves many aspects of business from the procurement of raw materials, through the manufacturing process, all the way to distribution to end consumers. This not

only requires talent and versatility, but also makes jobs in logistics both challenging and interesting.

Logistics coordinators must be well-organized and good at problem-solving and communication.

Complex global economies have created the need to reduce both public and private operating costs has created a strong demand for logisticians who can work across an entire organization.

The program of International Business and Trade (IBUS) is designed to prepare to students for careers in the maritime shipping business, global logistics, and supply chain management.

Students gain a solid foundation in import/export management processes, documentation and contracts, U.S. trade regulations, legal principles in the shipping business, and international marketing strategies.

Graduates find careers in maritime transportation management, equipment and personnel logistics and supply chain management industries.

Practicum classes get students out of the classroom and involved with internships at maritime and logistics companies in the Greater Houston Area.

## Fast Facts

### About the Program

**Type:** Technical

**Location:** North Campus

**Degree/Certificate:** Occupational Certificate, Certificate of Technology, Associate of Applied Science

**Duration:** Occupational Certificate - One term, Certificate of Technology - Three terms, Associate of Applied Science - Four terms

### For More Information

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## Program Objectives

All U.S. seafarers are certified, documented, and licensed by the U.S. Coast Guard. The maritime technology program at San Jacinto College is a credit program that provides students with U.S. Coast Guard-approved instruction to be a capable, knowledgeable mariner. The program consists of a level one certificate that provides instruction and some actual experience as an able bodied seaman or competent mariner. The level two certificate combines the abled bodied seaman and competent mariner training, while the associate of applied science degree maximizes the number of maritime courses the student can enroll in and includes courses general academic courses.

Courses offered at San Jacinto College North Campus for International Business, Maritime & Logistics include:

- Global Logistics Management
- Principles of Exports & Imports
- International Marketing
- Supply Chain Management
- Economics of Transportation & International Trade
- Introduction to Maritime Shipping Business
- Offshore Oil & Gas Support Industry
- Ship Operations & Management
- Tanker Chartering
- Legal Principles in Shipping Business
- Port Agency
- Port & Terminal Management
- Logistics and Multi-modal Transport
- International Banking and Cash Flow Logistics
- Homeland Security
- Import Customs Regulations
- Multi-National Organizations, Societies & Culture
- Field Experience Internships

## Maritime Business Careers

- Oil & Gas Industry
- Oil & Gas Logistics Coordinator
- Offshore Drilling Supply Chain Planner
- Chemical/Petroleum Refining Logistics Specialist
- Security Management

## Systems Support & IT Management

- Port Operations
- Houston
- Galveston
- Freeport
- Corpus Christi
- Port Arthur/Sabine Pass (LNG)
- New Orleans, La.
- New York
- Los Angeles
- Singapore
- Korea
- St. Petersburg Russia
- Tokyo Japan
- Montreal Canada
- Nanjing China
- Le Havre France
- Lazaro Cardenas Mexico
- Vitoria Brazil
- Barranquilla Colombia
- Lima Peru
- Buenos Aires

## Shipping Operations

- Ship management
- Ship/Port Agent
- Stevedore
- Port inspector
- Crane operator
- Buyer/Purchasing
- Chartering
- Contracts
- Estimating
- Expediting
- Materials Logistics
- Personnel Logistics
- Equipment & Stores

## Cruise Ships

- Marketing Representative (bilingual)
- Casino Accounts Manager
- Revenue Management Analyst
- Purchasing Logistics
- Food & Beverage Manager
- Technical Projects Coordinator
- Pier Agent
- Creative Design Manager
- Customer Service – Guest Information
- Transportation and Embarkation Services
- Air/Sea and Documentation
- Corporate & Crew Travel
- Reservations
- Inventory Control
- Marine & Technical Operations
- Hotel Operations
- Entertainment Operations
- Information Technology
- Purchasing & Logistics
- Operations Integration
- Finance
- Public Affairs
- Marketing
- Risk Management
- Sales
- Human Resources
- Labor Management

## Logistics/Supply Chain Management

The science of business logistics incorporates all industry sectors, and includes,

- Maritime logistics
- Military logistics
- Procurement logistics
- Production logistics
- Distribution logistics
- After sales logistics
- Disposal logistics
- Reverse logistics
- Green logistics
- Global logistics

The resources managed in logistics can include physical items, such as food, clothing, materials, equipment, healthcare, and people, as well as abstract items, such as time, information, particles, and energy. The logistics of physical items usually involves the integration of information flow, material handling, production, packaging, inventory, transportation, warehousing, and often security.

## Logistics/Supply Chain Careers

- Fleet supervisor
- Distribution Center Supervisor
- Logistics Analyst
- Operations Planner/Analyst

## Team Leader

- Production Coordinator

## Import/Export Coordinators

- International transportation planners
- Domestic logistics managers

## Vendor Relations Manager

- Materials Planner Representative
- Shipyard construction & modification
- Air Cargo Logistics Coordinator
- Air Export Forwarder
- Rail Transportation Specialist
- Inventory & Materials Management
- Project Cargo Supply Chain Coordinator
- Import Customer Service
- Ocean Imports Coordinator
- Transportation Operations Coordinator
- E-Commerce Transportation Specialist
- International Documentation Specialist
- Warehouse Logistics Strategist
- Distribution Manager
- Licensed Customs Broker

## Job Opportunities

The Gulf Coast is one of the largest regional employers of professional mariners. More than 50 percent of the workforce is 50 years of age or older, therefore, replacement workers will be needed. Expansion of the Panama Canal slated for completion in 2014 will require additional employees. The Bureau of Labor and Statistics (BLS) projects an overall increase of 12,000 jobs, or 15 percent, for all Water Transportation Occupations (from 81, 1000 to 93,100) for the period of 2008-2018. The BLS projects a 12 percent increase (3,800) in positions for sailors and marine oilers, an increase of 16 percent (6,000) for ship and boat captains and operators, and an increase of 17 percent (5,700) for the same time period.

The Texas Labor Market Information source, TRACER, estimates an increase of from 3,110 to 3,720 (19.6 percent) for 2008-2018 for the Gulf Coast. Standardized Occupational Components for Research and Analysis of Trends in Employment System (SOCRATES) projects 21.6 percent increase from 3,110 to 3,720 for 2008-2018. The program is also supported by industry, which participated in at least two advisory committee meetings during the curriculum development process.

## Maritime and Logistics Specialty (6INTL-MAR)

### Occupational Certificate

First Term	Credit
MART 1471 Introduction to Ships and Shipping .....	4
IBUS 1301 Principles of Exports.....	3
IBUS 1302 Principles of Imports.....	3
LMGT 1319 Introduction to Business Logistics.....	3
LMGT 1345 Economics of Transportation and Distribution.....	3

**Subtotal** **16**

**Occupational Certificate Total** **16**

**Capstone Experience: LMGT 1345**

## Maritime and Logistics Specialty (4INTL-MAR)

### Certificate of Technology

First Term	Credit
MART 1471 Introduction to Ships and Shipping .....	4
IBUS 1301 Principles of Exports.....	3
IBUS 1302 Principles of Imports.....	3
LMGT 1319 Introduction to Business Logistics.....	3
LMGT 1345 Economics of Transportation and Distribution.....	3

**Subtotal** **16**

### Second Term

	Credit
HMSY 1337 Introduction to Homeland Security.....	3
IBUS 1300 Global Logistics Management.....	3
IBUS 1341 Global Supply Chain Management .....	3
LMGT 1325 Warehouse and Distribution Center Management.....	3

**Subtotal** **12**

### PostY1 Summer

	Credit
IBUS 2345 Import Customs Regulations .....	3
IBUS 2367 Practicum ( or Field Experience) - International Business/Trade/Commerce .....	3

**Subtotal** **6**

**Certificate of Technology Total** **34**

**External Field Experience: IBUS 2367**

# International Business Maritime and Logistics Specialty (3INTL-MAR)

## Associate of Applied Science Degree

First Term	Credit
MART 1471 Introduction to Ships and Shipping .....	4
IBUS 1301 Principles of Exports.....	3
IBUS 1302 Principles of Imports.....	3
LMGT 1319 Introduction to Business Logistics.....	3
LMGT 1345 Economics of Transportation and Distribution.....	3
<b>Subtotal</b>	<b>16</b>

Second Term	Credit
HMSY 1337 Introduction to Homeland Security.....	3
IBUS 1300 Global Logistics Management.....	3
IBUS 1341 Global Supply Chain Management .....	3
LMGT 1325 Warehouse and Distribution Center Management.....	3
<b>Subtotal</b>	<b>12</b>

PostY1 Summer	Credit
IBUS 2345 Import Customs Regulations .....	3
IBUS 2367 Practicum (or Field Experience) - International Business/ Trade/Commerce .....	3
<b>Subtotal</b>	<b>6</b>

Third Term	Credit
MATH 1314 College Algebra or MATH 1333 Contemporary Math for Technical Programs.....	3
ENGL 1301 Composition I.....	3
SOCI 1301 Introduction to Sociology.....	3
BCIS 1305 Business Computer Applications.....	3
GEOG 1303 World Regional Geography.....	3
<b>Subtotal</b>	<b>15</b>

Fourth Term	Credit
ACNT 1303 Introduction to Accounting I or ACCT 2301 Accounting Principles I .....	3
ENGL 1302 Composition II or ENGL 2311 Technical Report Writing.....	3
SPCH 1321 Business and Professional Speech.....	3
**Humanities or Fine Arts.....	3
<b>Subtotal</b>	<b>12</b>

**Associate of Applied Science Degree Total** **61**

### External Field Experience: IBUS 2367

\*Students desiring to obtain a baccalaureate degree should take Math 1314-College Algebra.

\*\*Courses which satisfy this requirement are listed in Humanities and Fine Arts section of the Transfer Core Curriculum.



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Note: For complete program descriptions, please refer to the San Jacinto Community College District Catalog online at [www.sanjac.edu/catalog](http://www.sanjac.edu/catalog).

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