

BACHELOR OF SCIENCE IN SUPPLY CHAIN AND LOGISTICS TECHNOLOGY

WHAT IS SUPPLY CHAIN AND LOGISTICS TECHNOLOGY?

Supply Chain and Logistics Technology (SCLT) involves efficiently managing the flow of materials and services, through the transformation of raw materials into finished products, and to ultimate delivery at the point of consumption. It is an integral part of most businesses and is essential to company success and customer satisfaction.

CAREERS IN SUPPLY CHAIN AND LOGISTICS TECHNOLOGY

Supply chain and logistics technology students at the University of Houston (UH) Cullen College of Engineering's Technology Division will be prepared for careers in various industries, graduate school, or professional programs including global capital projects, retail/wholesale, third party logistics, energy/energy transition, medical/healthcare, manufacturing, technology, transportation, education, maritime, government, military, non-profit/NGO, and consulting. The Cullen College of Engineering also has a dedicated Engineering Career Center which connects hundreds of students each year to internships and full-time positions.

WHY EARN YOUR SUPPLY CHAIN AND LOGISTICS TECHNOLOGY DEGREE AT THE UNIVERSITY OF HOUSTON?

ACADEMICS

Supply chain and logistics technology undergraduate students at the Cullen College of Engineering's Technology Division engage with a curriculum that seamlessly blends knowledge with real-world experience. Through coursework, internships, and senior practicum experiences, students cultivate a robust skill set that includes technical proficiency in various aspects of the supply chain, such as production, procurement, transportation, distribution, information management, transactions, and quality control. These technical competencies are complemented by a strong conceptual understanding of marketing, customer service, cost optimization, asset management, process integration, and the global dimensions of trade.

This program emphasizes the development of interpersonal skills that are invaluable in the professional world. Students can hone their leadership abilities, gain proficiency in project management, and cultivate effective collaboration skills. This well-rounded approach equips graduates with the tools needed to excel in the complex and dynamic field of supply chain and logistics technology, positioning them as competent professionals who can adapt to the ever-evolving demands of the global marketplace.

The SCLT program offers flexibility for students to tailor their education to match their interests and career goals. Students can choose between the global logistics track, the operations track, or the systems management track to ensure they are well-prepared for their desired career paths.

SCLT program at the Cullen College of Engineering's Technology Division is an accredited global degree plan recognized for the Global Citizen Credential (GCC). The program is also accredited by the Association of Technology, Management, and Applied Engineering (ATMAE) and is a STEM designated program.

RESEARCH

Undergraduate research focuses on several thrusts: Supply Chain Sustainability and Digitization, Maritime Ports, and Energy Transition.

STEM DEGREE

Often referred to as the jobs of the future, Science, Technology, Engineering, and Mathematics (STEM) professionals are in demand and are among the highest paid. The Bachelor of Science in Supply Chain and Logistics Technology is a STEM designated degree plan by the Texas Higher Education Coordinating Board (THECB). This STEM designation demonstrates the rigor of the program. Also, it offers an added benefit for international students with 36-month optional practice training (OPT) employment.

SCHOLARSHIPS

Merit-based scholarships are awarded by the Cullen College of Engineering's Technology Division. Scholarships are also offered by the UH Office of Scholarships and Financial Aid. Additionally, the university's co-op program offers students the opportunity to receive career training while financing their education. [Learn more at https://dot.egr.uh.edu/advising/financial-aid/scholarships](https://dot.egr.uh.edu/advising/financial-aid/scholarships).

STUDENT INVOLVEMENT

Students are encouraged to join academic and professional organizations to build leadership, communication, and networking skills. Members of student organizations receive career guidance from industry professionals and participate in activities that promote their field of study.

Since 1985, the Supply Chain Industrial Distribution Organization has worked with students interested in supply chain and logistics technology. Members have opportunities to attend conferences and network with industry professionals, faculty, and undergraduate students.

SCLT FAST FACTS

510 Total Undergraduate Students

14 Total Faculty

\$86,426.00* Average Salary

46:1 Student-to-Faculty Ratio Across the University

* https://www.indeed.com/career/supply-chain-manager/salaries?from=top_sb



Technology Division
Cullen College of Engineering

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FOUR-YEAR ACADEMIC MAP 2023-2024

STEM designated degree plan

YEAR 1

SEMESTER 1		SEMESTER 2		Total	
ENGL 1301	First Year Writing I	3	ENGL 1302	First Year Writing II	3
HIST 1301	U.S. to 1877	3	HIST 1302	U.S. since 1877	3
MATH 1332 or MATH 1314	Contemporary Mathematics or College Algebra	3	MATH 1324	Finite Math with Applications	3
CORE	Life & Physical Sciences	3	CORE	Life & Physical Sciences	3
CORE	Creative Arts	4	*SCLT 2362	Intro to Logistics Technology	3
Semester Hours 15			Semester Hours 15		30

YEAR 2

SEMESTER 1		SEMESTER 2		Total	
GOVT 2306	US & Texas Constitution & Politics	3	GOVT 2305	US Government	3
ECON 2302	Principles of Microeconomics	3	ECON 2301	Principles of Macroeconomics	3
MATH 1325	Calculus for Business & Social Sciences	3	TMTH 3360	Applied Technical Statistics	3
*SCLT 2380	Distribution Channels	3	ACCT 2301	Principles of Financial Accounting	3
*CIS 1332 or MECT 1365 or *SCLT 3340	Intro to Information Technology or Elements of Mat & Proc or Geog. for Global Supply Chain	3	*CIS 2334 or *SCLT 3381 or *SCLT 3375	Information Systems Applications or Industrial/Consumer Sales or Maritime Operations	3
Semester Hours 15			Semester Hours 15		30

YEAR 3

SEMESTER 1		SEMESTER 2		Total	
DIGM 3353	Visual Communication Tech	3	*TLIM 3360	Law & Ethics in Tech & Innovation	3
*TLIM 3363	Technical Communication	3	*SCLT 3384	Logistic Tech & Processes	3
*TLIM 3340 or HDCS 3300	Org Leadership & Supervision or Org Decisions in Technology	3	*SCLT 3387	Procurement	3
*SCLT 3385	Transport Economics & Policy	3	CORE	Lang, Philosophy & Culture	3
*CIS 3343 or *TLIM 4341 or *SCLT 3376	Info Sys & Design or Production & Service Ops or Global Trade Intermediaries	3	*CIS 4365 or Approved Elective	Database Management or ACCT 2302, ENTR 3310, 3312, INTB 3355, MANA 4330, *SCLT 4383, *4385, *4386, *TLIM 3345, *4350, *4371	3
Semester Hours 15			Semester Hours 15		30

YEAR 4

SEMESTER 1		SEMESTER 2		Total	
*SCLT 3389	Transportation Law	3	*SCLT 4380	Quality Systems	3
*SCLT 4312	Inventory & Materials Handling	3	*SCLT 4389	Practicum in SCLT	3
*SCLT 4375	Global Supply Chain	3	Free Elective		3
*SCLT 4387	Financial Evaluation for Supply Chain Management	3	Approved Elective	ACCT 2302, ENTR 3310, 3312, INTB 3355, MANA 4330, *SCLT 4383, *4385, *4386, *TLIM 3345, *4350, *4371	3
Approved Elective	ACCT 2302, ENTR 3310, 3312, INTB 3355, MANA 4330, *SCLT 4383, *4385, *4386, *TLIM 3345, *4350, *4371	3	Approved Elective	ACCT 2302, ENTR 3310, 3312, INTB 3355, MANA 4330, *SCLT 4383, *4385, *4386, *TLIM 3345, *4350, *4371	3
Semester Hours 15			Semester Hours 15		30
			TOTAL SEMESTER HOURS		120

FOR MORE INFORMATION

*Students should meet with their academic advisor to formulate their own plan. Course offerings are subject to change.

UH Cullen College of Engineering Technology Division: <https://dot.egr.uh.edu/>
Supply Chain and Logistics Technology Undergraduate Program: <https://dot.egr.uh.edu/programs/undergraduate/supply-chain-and-logistics-technology> | Email: asc@uh.edu

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