



BACHELOR OF SCIENCE IN TECHNOLOGY LEADERSHIP AND INNOVATION MANAGEMENT

WHAT IS TECHNOLOGY LEADERSHIP AND INNOVATION MANAGEMENT?

Technology Leadership and Innovation Management (TLIM) is the professional discipline for developing and managing technologies, organizations, projects, and teams. Technology Leadership and Innovation Management students learn how to solve problems, and achieve SMART results (Specific, Measurable, Achievable, Realistic, and Timely). The TLIM degree focuses on building solid leadership skills, project leadership and supervision, goal management, asset alignment, communication, and team organization.

CAREERS IN TECHNOLOGY LEADERSHIP AND INNOVATION MANAGEMENT

Technology Leadership and Innovation Management undergraduate students at the University of Houston (UH) Cullen College of Engineering's Technology Division will be prepared for careers in a variety of industries, graduate school, or professional programs, including executive director, project manager, operations manager, business development manager, human development manager, marketing specialist, law, data analyst and business consultant. 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 TECHNOLOGY LEADERSHIP AND INNOVATION MANAGEMENT DEGREE AT THE UNIVERSITY OF HOUSTON?

ACADEMICS

The TLIM program combines real industry experience with corporate best practices, and academic theories. Students learn how to set goals, build teams, create feasible ideas, communicate, and commercialize new innovations. The results of these activities build a competent portfolio of knowledge and tools that are valuable to corporate and government employers. Students will learn to aspire to build for the future and recognize that the human minds are the greatest asset of any organization.

The TLIM Program emphasizes practical and real-world experience and covers critical areas such as technology leadership development, project management, innovation engineering, corporate communication, problem-solving, goal setting, and time management. Students also have the flexibility to tailor their education by selecting from a range of elective courses. This approach not only prepares students for the ever-evolving global job market but also equips them with the essential skills required to excel in leadership and managerial roles across diverse industries and organizations. When students

graduate with the Technology Leadership and Innovation Management degree, they step into the professional world with an innovative portfolio of competencies. [Learn more at https://dot.egr.uh.edu/programs/undergraduate/technology-leadership-and-innovation-management](https://dot.egr.uh.edu/programs/undergraduate/technology-leadership-and-innovation-management)

RESEARCH

The TLIM Program's faculty is actively engaged in research projects related to Innovation, Leadership, and High-Tech. We frequently recruit student researchers.

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 ORGANIZATIONS

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.

The Technology and Innovation Leaders of Tomorrow student organization caters to students in the Technology Leadership and Innovation Management program. Members can engage with industry leaders, and obtain scholarships, mentorships, internships, and jobs.

TLIM FAST FACTS

267 Total Undergraduate Students

15 Total Faculty

\$61,900.00* Average Salary

19:1 Student-to-Faculty Ratio Across the University

* https://www.bls.gov/oes/current/oes_nat.htm#11-0000

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FOUR-YEAR ACADEMIC MAP 2023-2024

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
GOVT 2306	US & Texas Constitution & Politics	1	GOVT 2305	US Government	3
MATH 1332	Elementary Mathematical Modeling	3	MATH 1324	Finite Math with Applications	3
CORE	Creative Arts	3	CORE	Language, Philosophy & Culture	3
Semester Hours 15		Semester Hours 15		30	

YEAR 2

SEMESTER 1		SEMESTER 2		Total	
SCLT 2362	Intro to Logistics Technology	3	TLIM 3300	Leadership & Innovation Fundamentals	3
TLIM 3363	Technical Communications	3	TLIM 3340	Org. Leadership & Supervision	3
CORE	Life & Physical Sciences	3	CORE	Life & Physical Sciences	3
PHIL 1321	Logic I	3	MATH 1342	Elementary Statistical Methods	3
CORE	Social & Behavioral Science	3		Area of Specialization	3
Semester Hours 15		Semester Hours 15		30	

YEAR 3

SEMESTER 1		SEMESTER 2		Total	
TLIM 3371	Budgeting & Financial Principles	3	TLIM 3350	Emergency Management Principles	3
TLIM 3330	Innovation Principles	3	TLIM 3355	Project Management Prin	3
TLIM 3345	Human Resources in Technology	3	TLIM 3365	Team Leadership	3
CIS 3320	Information Visualization	3	TLIM 3360	Law & Ethics for Technology & Innovation	3
	Area of Specialization	3			
Semester Hours 15		Semester Hours 15		30	

YEAR 4

SEMESTER 1		SEMESTER 2		Total	
TLIM 4341	Production & Service Operations	3	TLIM 4350	Occupational Safety & Environmental Health	3
TLIM 4342	Quality Improvement Methods	3	TLIM 4390	Current Issues in Leadership & Innovation	3
TLIM 4371	Leading Change in Workplace	3	TLIM 4378	Senior Project	3
TLIM 4372	Proposal & Project Writing	3		Area of Specialization	3
	Area of Specialization	3		Area of Specialization	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/>
 Technology Leadership and Innovation Management Undergraduate Program: <https://dot.egr.uh.edu/programs/undergraduate/technology-leadership-and-innovation-management> | Email: asc@uh.edu

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