

Supply Chain Engineering Degree Education @ Georgia Tech



Georgia
Tech  **Supply Chain and
Logistics Institute**
Interdisciplinary Research Center



**Georgia Institute
of Technology®**

U.S. Rankings

PUBLIC UNIVERSITY

#6

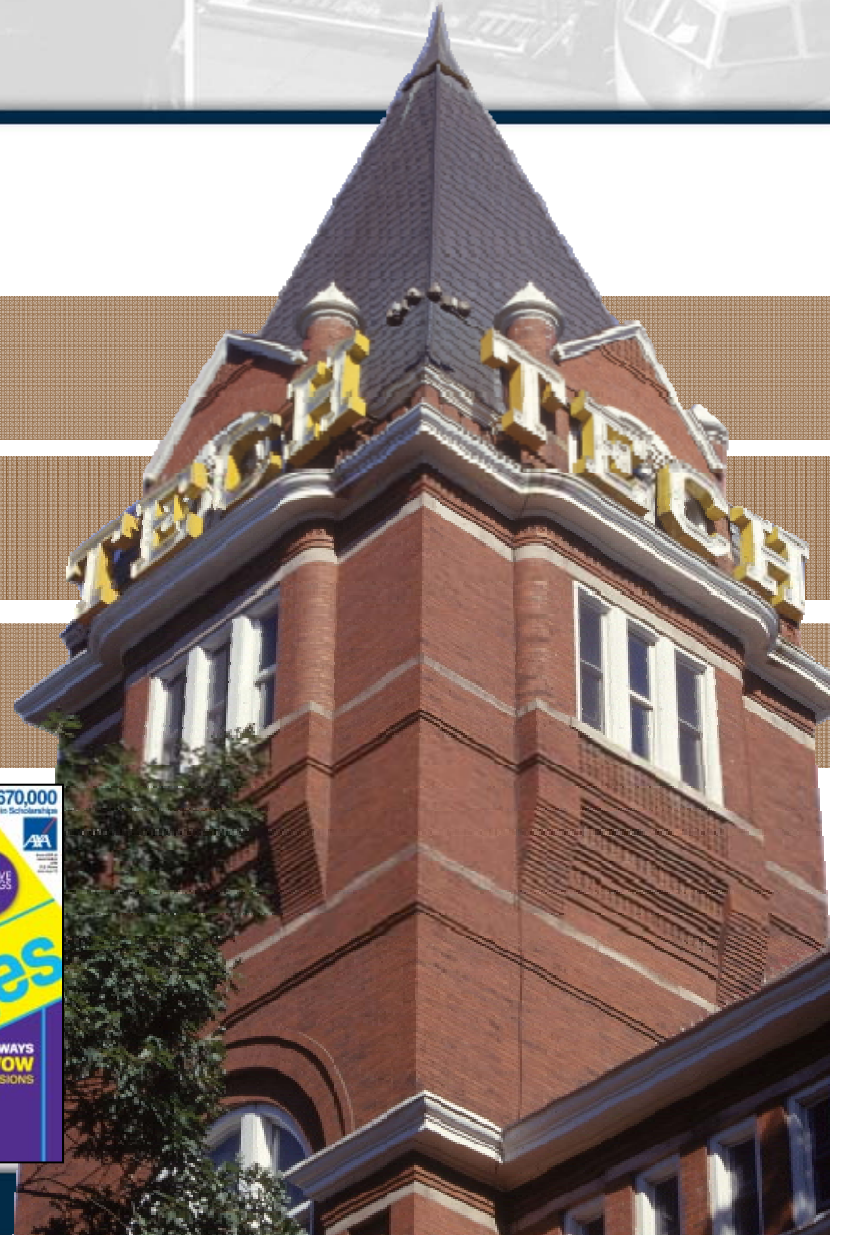
ENGINEERING SCHOOL

#4

INDUSTRIAL ENGINEERING

#1

U.S. News & WORLD REPORT



- **Largest IE program in the country**
 - 2nd largest is not even half our size
- **50+ Faculty**
 - 10 Endowed Chairs, 5 NAE Members
- **1,600 Undergraduate students**
 - 300 BSIE degrees annually
- **1100 applications for graduate programs**
 - 50 MS in Supply Chain Engineering graduates annually
 - 100 other MS degrees annually (IE, OR, Statistics)
 - 30 PhD doctorate degrees annually
- **\$10+ million annual sponsored research**



Bachelor of Science Industrial Engineering



● Flexible curriculum with depth

● Core analytic methods

- Statistics, economics, optimization, simulation, probabilistic modeling, decision analysis

● Supply Chain Engineering Track (6 courses)

- Manufacturing (Intro and Advanced),
Logistics (Intro and Advanced)
- Supply Chain Economics,
Economic Decision Analysis,
Quality Control, Forecasting, ...



Bachelor of Science Industrial Engineering



● Senior Design

- 1-semester capstone project course
- 20-30 teams each semester
- Each team works with a company sponsor on major design problem
- Finalist Competition
- Website with more information



<https://www.isye.gatech.edu/senior-design>

Master of Science Supply Chain Engineering



- **Professional engineering graduate degree program**
 - Engineering degree with a focus on professional practice
 - Create “business-savvy” engineers for supply chain analytics and management roles
- **For new graduates or young professionals with 1-5 years experience**
- **Intensive 12-month full-time curriculum focuses on:**
 - Analytic methods
 - Supply chain engineering
 - Enterprise management
 - Professional business development
 - Real-world industry experience

Master of Science Supply Chain Engineering



- **Capstone Industry Experience**

- Internship or team projects
- Identify problem, propose approach, conduct analysis, deliver results
- Sponsored by business, government, and international non-government agencies

- **International Partnerships**

- 12-month students international (US, Europe, Japan, Korea, China, India...)
- Transfer student partnerships (Singapore, Panama, Chile)

- **Placement**

- Exclusive networking opportunities (guest speakers, facility visits)
- Special recruiting events with industry partners

- **Professional Masters Degree in executive format**
- **5 two-week international residences over 18 months – North America, Europe, Latin America, Asia**
 - Intensive classroom and site visit learning
- **Distance learning between residences**
 - Webinars, case studies, readings, global projects
- **Class Profile**
 - Average age = 42
 - Average years experience = 15
 - Senior level logistics and supply chain executives



Opportunities to Engage with ISyE and SCL

- **Education programs designed for each category of employee, contractor, enlisted service**
 - New hires, early recruits
 - Mid-career managers, front line supervisors, folks in the trenches
 - Senior management, officers, those climbing up the ranks taking on significant responsibility
- **Research, Sponsored Projects, Capstone Projects**
 - Internships, Co-Ops
 - Masters students – great resource for analytical work
 - Contract research with Faculty and PhD students