

Professional Master's Degree in Applied Systems Engineering

Advance your career – *without interrupting it.*

WHY A PROFESSIONAL MASTER'S DEGREE IN APPLIED SYSTEMS ENGINEERING?

Competitive Advantage

- Earn a master's degree from one of the top five engineering and research universities in the country.
- Successfully compete in a global market with advanced systems engineering techniques and tools.
- Develop valuable professional connections as you build your career.

Applied Practical Learning

- Solve real-world problems through hands-on exercises, case studies and laboratories.
- Apply practical knowledge, tools, and technologies immediately at your organization.
- Learn system techniques that extend across an array of industries.

World-Class Faculty

- Experience learning from top researchers at the Georgia Tech Research Institute.
- Learn from highly-skilled instructors known for producing technology solutions for complex systems.
- Work beside faculty known for ground-breaking, research results.

Convenient

- Pursue a master's degree without interrupting your career.
- Our hybrid format combines face-to-face instruction with distance learning and peer interaction.
- Participate in scheduled, live web-conferencing sessions with your fellow students and GT faculty.



WHY CHOOSE GEORGIA TECH?

- » PMASE is a Georgia Tech program taught by Georgia Tech faculty.
- » Earn a Master's degree from the **4th** Best Graduate School.
- » Georgia Tech is ranked as one of the top **5** research universities.
- » PMASE faculty lead cutting-edge research for industry and government.

APPLICABLE TO ANY INDUSTRY

The unique, "systems-thinking" approach you learn in the PMASE program can be applied to any industry relying on complex systems including:



Defense



Manufacturing



Logistics



Consumer
Packaged
Goods



Industrial



Infrastructure



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The application of systems engineering has become increasingly important to the U.S. Department of Defense, independent groups and Congress. As the Undersecretary of Defense for Acquisition, Technology and Logistics, I saw many instances in which the application of fundamental systems engineering practices could have saved money for taxpayers and delivered new or improved capabilities to our men and women in uniform sooner.

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- John J. Young, Jr

Former Undersecretary of Defense (Acquisition, Technology and Logistics); Consultant to the Georgia Tech Research Institute and Professional Master's in Applied Systems Engineering Lecturer.

STRUCTURED TO HELP YOU SUCCEED

The Professional Master's in Applied Systems Engineering (PMASE) program is structured to enable working professionals to learn while maintaining a full-time career. The program is rigorous, but also non-intrusive. While the majority of PMASE is online, students still benefit from real-time interaction with faculty and peers:

- » Lectures are pre-recorded and made available 24-7 via the web.
- » Interact in real-time during scheduled web conferencing sessions.
- » Experience Georgia Tech in person during three campus visits over the two-year program.



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As a major technology and engineering company, Systems Engineering is critically important to Lockheed Martin and is the cornerstone to most of our successful projects. Georgia Tech's Professional Master's in Applied Systems Engineering (PMASE) program is unique in its comprehensive quality and flexible format. Having recently participated as a sponsor in the PMASE program, I can attest that it uniquely equips our engineers and scientists with the technical and managerial skills that keep my company competitive. One of the keys to the success of the PMASE program is that it is taught by world-class Georgia Tech faculty and researchers, with first-hand knowledge of how to apply the latest systems engineering methodologies, tools, and languages to real-world problems.

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- David Hunn, Ph.D.

*Chief Scientist
Director, Technical Staff
Lockheed Martin Missiles and Fire Control*

The deadline to submit applications for the fall cohort is *May 1*.

There are limited seats available in this program and you are strongly encouraged to apply early.