Academically Speaking

The Georgia Tech Manufacturing Institute values true collaboration. GTMI works with all six Georgia Tech colleges and affiliated programs like the Georgia Tech Research Institute, Enterprise Innovation Institute and the Georgia’s Manufacturing Extension Partnership. This cross-discipline approach allows GTMI to harness all of Georgia Tech’s strengths, including:

Students

- 21,557 enrolled in FY 2012
- 14,527 undergraduate students
- 7,030 graduate students

- 1405 – avg. freshman SAT score
- 119 National Merit Scholars
- 8 National Achievement Scholars

Faculty

- 1,067 faculty
- 96.1% with PhD
- 67.7% tenured

Degrees

- 143 total degrees offered
  - 36 undergraduate
  - 60 Master’s
  - 47 PhD

- 5,288 degrees offered in 2012
  - 2,873 undergraduate
  - 1,932 Master’s
  - 483 PhD

Research Awards

- $621.6 million in FY 2013
- 3,187 awards won

EF & GaMEP Georgia Manufacturing Impact

- $642 million in increased sales
- $74 million operating costs saved
- 3,140 companies served last year
- 1,928 jobs created/saved

Manufacturing Is in Georgia Tech’s DNA

Georgia Tech Manufacturing Institute (GTMI) is a cutting-edge interdisciplinary research institute that tackles the challenges facing today’s manufacturers. We focus on the complete innovation value chain — from raw and recycled resources to prototypes and finished products — and develop materials, systems, processes, education, and policies. A leader in moving innovation from lab to market, GTMI’s comprehensive expertise ranges from manufacturing processes and factory automation to supply chain management and enterprise transformation. GTMI also offers a hands-on educational experience that produces scientists and engineers who are innovative, collaborative, adaptive and well suited for the rapidly evolving world of manufacturing.

Georgia Tech has a 125-year history with manufacturing, earning it a reputation as an industry thought leader. In 2012, President Barack Obama named Georgia Tech President G. P. “Bud” Peterson one of six university presidents to serve on the Steering Committee for the Advanced Manufacturing Partnership (AMP). AMP is a national public-private effort that is charting the course for developing emerging technologies, creating high-quality manufacturing jobs, and enhancing U.S. global competitiveness. As the center for manufacturing at Georgia Tech, GTMI continues to move manufacturing forward through collaboration, education and innovation.

Setting the Standard for Industry Collaboration

GTMI has been recognized by industry as a leader in manufacturing innovation.

- Named a Boeing Supplier of the Year and serves as one of the company’s eight university partners
- Named a Caterpillar “University Center of Excellence in Machining Related Research”
- Serving as a Siemens research partner for 25 years
- Develops international standards for electronics, solar energy, woodworking and precision machining industries that allow companies to easily work together, compare results and exchange data

Providing Educational Excellence

Georgia Tech is home to the largest engineering program in the country. U.S. News and World Report ranks Georgia Tech’s College of Engineering among the best in the nation.

Graduate programs

- No. 1 in Industrial and Manufacturing Engineering – for 23 years in a row!
- No. 6 in Mechanical Engineering
- No. 7 in Materials Engineering

Undergraduate programs

- No. 1 in Industrial and Systems Engineering – for the last 18 years!
- No. 3 in Mechanical Engineering
- No. 5 in Materials and Science Engineering

Advancing Manufacturing Innovation

GTMI’s expertise draws interest from industry and government seeking assistance in improving manufacturing. GTMI’s cradle-to-grave approach allows students and companies to take their ideas from ideation to prototype, production and impact.

- Since 1991, GTMI has invested $58 million in its interdisciplinary manufacturing research complex, comprising of 400,000-sq.-ft. of state-of-the-art R&D facilities.
- GTMI has assisted in the development of 20 spinoff companies:
  - AkroMetrix
  - Applied Thermoplastics Resources
  - CaMotion
  - CaMotion Cranes
  - CardioMEMS
  - DDM Systems
  - Factory Right
  - GTC
  - Innovolt
  - InterCax
  - MedShape
  - Polaritek Systems
  - Qcept Technologies
  - Radeatec
  - Sntristic
  - Suniva
  - Vendomate
  - Verco Materials
  - viaCycle