

# Georgia Tech

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Head of Academic Programs

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Georgia Institute of Technology



# Overview

State university in Atlanta, Georgia  
Largest engineering program in the  
U.S.



23,000 students:  
60% undergraduate  
40% graduate



4,000+ engineering &  
science degrees



Global university: Atlanta, Europe (GT  
Lorraine), initiatives in Asia, Latin America

# Rankings

- National US

- ★ 5<sup>th</sup> US Engineering program
- ★ 1<sup>st</sup> by recruiters
- ★ 1<sup>st</sup> return on investment
- ★ School ranking
  - \* Industrial #1
  - \* Aerospace #5 (#2 UG)
  - \* Electrical & Computer #5 (#4 UG)
  - \* Mechanical #5 (#2 UG)



- International

- ★ 6<sup>th</sup> World Engineering program

# 10 Interdisciplinary Research Institutes

**Institute for Materials**

**Georgia Tech  
Research Institute**

**Institute for Electronics  
& Nanotechnology**

**Strategic Energy  
Institute**



**Renewable  
Product Institute**

**Institute for  
Robotics**

**Manufacturing  
Institute**

**Institute for Bioengineering  
& Biotechnology**

**Institute for  
Sustainable Systems**

**Institute for People  
& Technology**

# Innovation

## Handled by Enterprise Innovation Institute (EI2)

- ★ programs to help startup companies, industry, the public sector, and students improve their competitiveness and increase their economic impact.
- ★ Several programs proposed, VentureLab, CIC, R&IC, TiGER, i-Corps, ...



# ATLANTA

A nighttime aerial photograph of Atlanta, Georgia, showing a dense urban skyline. The city is illuminated with warm yellow and orange lights from buildings and streetlights. A prominent feature is the light trails from traffic on a multi-lane highway that curves through the city. The sky is a deep blue, and the overall scene conveys a sense of a vibrant, active city at night.

#3 Fortune 500 Headquarters  
Top 20 Green City  
40+ Colleges and Universities  
Top City for New Grads

# INTERNATIONAL REPUTATION

GEORGIA TECH

Georgia Tech Lorraine  
The campus of Georgia  
Tech in Europe

#6

WORLD ENGINEERING  
PROGRAM



Activity I

## Education

1990

A photograph of a student in a white lab coat and safety glasses, working in a laboratory setting with glassware and equipment.

Activity II

## Research

2006

A photograph of three researchers in white lab coats working together in a laboratory, focused on a piece of equipment.

Activity III

## Economic Development

2012

A photograph of a large-scale solar panel array installed in a field, with a person visible in the distance for scale.

# Achieve International Engineering Preeminence

- World renowned program of excellence
- High integration of academia, research, economic development
- Global and international experience
- Excellence valued by industry
- Excellence made affordable with a high return on investment

# Double Degree Integrated Program

- MS degree in Mechanical Engineering (ME) and Laurea Magistrale
- MSME (10 courses):
  - ★ Focus in acoustics, mechanics of materials, ...
  - ★ 2 courses transferred from Sapienza
  - ★ transfer of 2 courses taken during the M1 at Sapienza

# Double Degree Integrated Program

Fall 16

Spring 17

Summer - Fall 17

GTL

+

GT campus,  
courses,  
graduation

+

Research  
thesis  
La Sapienza

=

(12 SCH)

(12 SCH\*)



**Master of Science  
Georgia Tech**

+

*Laurea Magistrale  
Sapienza*

*\* 6 SCH of undergraduate courses from Sapienza  
taken in Spring 16 & transferred to GT*

# Georgia Tech

## Admission requirements

- GPA min 3.4 / 4.0
- Strong letters of recommendations
- TOEFL iBT >94 / 120
- GRE:

	Scores
Verbal	>146 / 170
Quantitative	>155 / 170
Analytical Writing	≥ 3.0 / 6

# Schedule

- Fall 2015
  - ★ Pre-selection by Sapienza
  - ★ Take TOEFL & GRE by Dec 1st
- Spring 2016
  - ★ Feb 1st Application online is completed with all GRE/TOEFL scores, transcripts and letters of recommendation
- Fall 2016 - Begin program at GTL
  - \* see: <http://www.gre.org>



# Tuition and Fees

## 2015 - 2016 AY



	Double degree
GIT full time	15,032
GTL full time	7,398
Total Cost	22,430

# Excellence made affordable

- Highly competitive program among top US Universities



Source: US news & world report, 2015 - 2016

# Financial aid

- Assistantships
  - ★ Research Assistantships: for MS thesis or PhD students
  - ★ Assistantship: you are paid \$1,200 to \$1,700
- Financial aid available on competitive basis
- US Internships available through alumni network
- Fellowships (Rotary, Region Lorraine, etc....)
- Loans

# Excellence value by industry

- Industrial partners involves in academic/ research programs
- 12% of graduates yearly recruited on “High potential program” at Areva, Schlumberger, Eurocopter and GE
- The vast majority of our graduates students take industry positions at companies such as:
  - ★ Areva, Cisco, Schlumberger, France Telecom, Schneider Electric, EADS, Intel, IBM, Thales, Imerys, Total, General Electric, ...

# Young graduate figures

- 34% find first job in USA
- 45% in R&D - Energy / Material / Aerospace / Services -
- 15% continue with a PhD
- Yearly salary increased France leads to ROI = 5 to 7 years
- Yearly salary is > \$80,000 (MS) and > 100 k\$ (PhD) on average in USA

# Interest in GT Lorraine campus

- Prepare a long-stay in Atlanta for research opportunities, PhD
- Benefit from BNP-Paribas / GT
  - ★ National agreement with Bank of America: No fees associated to USD account opening, wire transfer
  - ★ Local agreement:
    - \* Pack esprit libre
    - \* **Student loan of 2.4% up to 60000 €, up to 9 years loan repayment**
    - \* Free fees on any operation over the duration of the degree

# UMI 2958: GeorgiaTech-CNRS



A successful model of International Research Laboratory

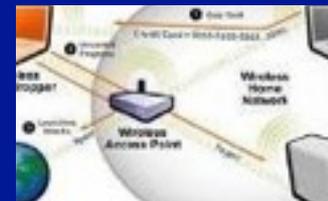
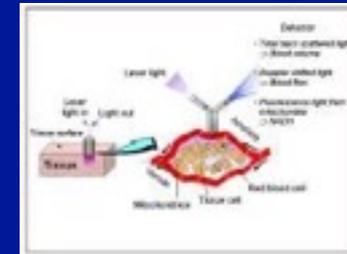
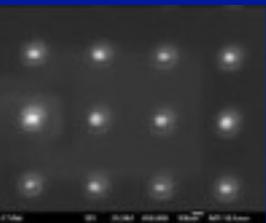
A joint laboratory between CNRS and GIT with a presence in Metz and in Atlanta since 2006. The only UMI in France



# UMI research program

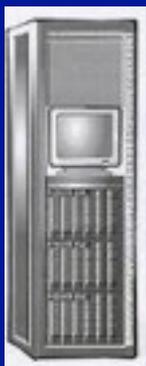
- Non-linear optics and dynamics

- ★ Non-linear optics
- ★ Non-linear dynamics



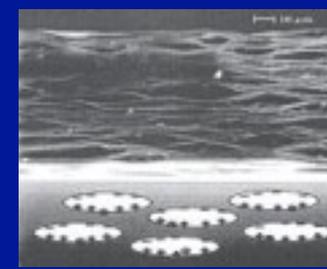
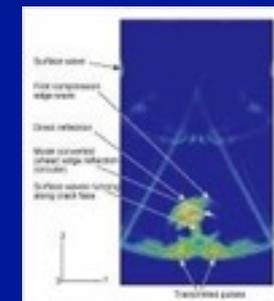
- Smart Materials

- ★ Materials and Nanostructures for photonics and electronics
- ★ Materials by design
- ★ Acoustics and non-destructive characterization



- Computer Science

- ★ Situated cognitions and Robotics
- ★ Network information systems





# INSTITUT LAFAYETTE



- Groundbreaking event on October 2012
- Inauguration event on May 26th, 2014
- An innovation platform for optoelectronics on the UMI Metz Campus
- > €30 M investments, building of 25,000 sq. ft., including 5,000 sq. ft. lab space and fully equipped 5,000 sq. ft. clean room (> €10 M investment in equipment)

# Important Dates / Deadlines

Items	Dates
TOEFL & GRE 1st try	Dec 1, 2015
GT application completed & submit on GT Admission	Feb 1, 2016
Fall semester start	Aug 22, 2016

Visit our website:

[www.gt-lorraine.eu](http://www.gt-lorraine.eu)

For information on the programs or  
inquiries on the application, contact

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# Impressions Marco Galotta

- How many time have you said yourself: “I want more”?
- Do you want to have a foreign study experience?
- Maybe also outside Europe?
- Do you want to challenge yourself with the American way of studying?

Fall semester in GTL, in the heart of Europe, you will be surrounded by people who daily help you for the best



# Spring semester in the wonderful Atlanta, for a complete and impressive American College Experience



- Join the Double Degree program with Georgia Institute of Technology and achieve the engineering worldwide preeminence
- Do not hesitate to contact me at [mar.galotta@gmail.com](mailto:mar.galotta@gmail.com)