Georgia Tech

http://www.gatech.edu
http://europe.gatech.edu
Why did they choose Georgia Tech?
The story of 4 students
Sara Zebian

- Sara joined MSECE program in 2001
- Use degree as ramp to work in the US
- Work for Dell, Juniper Networks
- Senior engineer at Google, San Jose
Michele Piccardi

• Join the MSECE program in 2010
• Work abroad
• Joined Micron Technology after graduation, he is currently Design Manager, based San Francisco
Simone Frassanito

• Join the MSCS program in 2010
• Work abroad
• Currently at Data Architect at Microsoft in Redmond WA
Melisande Zonta

• Join the MSECE program in 2016, with the objective to work in America
• Join Intel Santa Clara in 2017, now Silicon Architecture Engineer
• Start a PhD at ETH recently
Why did they choose Georgia Tech

• Make their dreams real, invest on their future
• Return on investment: 4 that joined top companies - Micron Technology, Google, Intel, Microsoft -
• Majority of graduate students take positions at companies such as Cisco, Schlumberger, Total, EADS, Thales, Safran, Airbus, GE, Areva, Amadeus, …
• Airbus highly values this dual degree
• Why not you?
Opportunities of the program

• Land of opportunities, build your program to make your dream real, have fun, how:
  • Strengthen your engineering background,
  • Open you to other domains of engineering,
  • Become an entrepreneur
• Study in a multicultural environment on any campuses
• On GT Europe campus, the main student population

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2022 GCR - Professional profile

JOB PROFILES

PROFESSIONAL PROFILES

Sector of activity

- Oil & Energy: 2%
- Motion Pictures & Film: 2%
- Mechanical Or Industrial Engineering: 2%
- Logistics & Supply Chain: 2%
- Internet: 2%
- Human Resources: 2%
- Hospital & Health Care: 2%
- Consumer Electronics: 2%
- Consulting: 2%
- Computer & Network Security: 2%
- Automotive: 2%
- Management Consulting: 4%
- Bank: 4%
- Semi Conductors: 8%
- Defence & Space: 8%
- Computer Software: 12%
- Information Technology & Services: 20%
- Research: 24%
- Other: 24%

What Job?

- Research: 24%
- IT: 20%
- Computer soft.: 12%
- Defense & Space: 8%
- Semiconductor: 8%

Work Location

- 68% in France
- 20% in the USA
Young graduate figures

- 20% 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 < 2 years, you can expect a salary \( \sim 40 \text{ k€} \) with a dual degree
- Average salary for graduate student is \( \sim 90 \text{ k$} \) in USA, visit payscale.com
Research

• Georgia Tech invest 1.4 B$ per year funding for world class research programs, more than MIT

• Access to world class technology platforms for faculty and students enrolled in MS thesis or PhD on main or GT Europe campuses
Innovation

Georgia Tech incubator ranked in top 10 in US

Education

• Startup Lab, ECE 6001, CS 8803
• Valuation > 1.4 B$ of Student Startups, 300+ UG startups since 2014

Enterprise Innovation Institute (EI2)
Programs to help startup companies, industry, public sector and students

Commercialization

• ATDC research for faculty, PhD students
Added values of Georgia Tech

Georgia Tech develops leaders who advance technology and improve the human condition.

- Example #1: Tech.Co ranks Georgia Tech as the #1 university that “produces the best startup talent.”
- Example #2: Three continent tech entrepreneurship & entrepreneurship courses

Gain prestige in the International Arena

- Example: #4 grad programs in U.S. programs (AE, ECE, ME), #6 grad CS program all at a public university price*
- Shanghai ranking 2022: #12 in AE, #4 in EE, #7 in Nanotechnology, ...

Build a global network with other Tech Alumni

- Example: Alumni focus events in Europe, U.S.
- Join a 140,000+ alumni network around the world

*U.S. News & World Report, 2022* rankings
Dual degree program

• Spend one semester on each campus of Georgia Tech - Atlanta and Metz -

• Dual degree program: soft transition to the US education system

• Course transfer —> reduces cost

• Opt in MS thesis option to increase time on main campus

• Initial investment ~ 35 k$, that be reduced through assistantships but need to be proactive on financial aid

• Program of excellence at low cost, typ. 50 to 60 k$
Specializations open for application

- **Master of Science degree** in:
  - Aerospace Engineering (33 SCH)
  - Electrical and Computer Engineering (30 SCH)
  - Mechanical Engineering (30 SCH)

- **Aerospace Engineering** - focus on System of Systems and Complex system Integration, Sustainable Transportation & Energy Systems, …

- **Electrical & Computer Engineering** - focus in DSP, Telecom, Systems & Controls, Nanophotonics, …

- **Mechanical Engineering** - focus in Acoustics, Mechanics of Materials, Automation & Robotics, …
Financial aid

- **Assistantships:**
  - **On Atlanta campus**
    - Research Assistantships:
      - For PhD students, offer made by faculty
      - For MS thesis, pending faculty decision
    - Teaching Assistantships available on a competitive basis in **Aerospace Engineering & Electrical & Computer Engineering**: Tuition waiver with ~$2,000 monthly stipend
  - **On Europe Campus:**
    - Teaching assistantship available, tuition waiver or 66% tuition waiver
    - Research assistantship available: MS thesis and PhD at IRL
- **Internships** available through alumni network
- **Fellowships** (Rotary, regional aid, etc....)
  - GTL Challenge Fellowship for semester in ATL: $1,125
- **Bank Loan**: Student loan of 1.49% up to 75,000 €, up to 9 years loan repayment
GT Europe campus

• Small international student community (~250 students): (grand mix, trips, ...) - future Tech network

• Easy access to faculty, information

• Weekly seminar with corporate partners (internships/jobs)
Application - decision schedule

Fall 2022
• Pre-selection by UNIBS
• Take TOEFL or IELTS or TOEIC and GRE for CS only
• Help and support provided on your application by GT Europe

Spring 2023
• Online application completed by **Feb 1st** including transcripts, letters of Recommendation, official test scores reported by ETS to GT
• Admission decision: end Feb – Mar

Fall 2023 – **Start of the program**
Georgia Tech Admission Requirements

• **GPA** min 3.5 /4.0 (GPA = General Point Average)
• Strong letters of recommendation
• English proficiency tests:
  • TOEFL iBT - [http://www.ets.org/toefl](http://www.ets.org/toefl): min score of 19 required for each section: > 90/120 (AE, ECE), > 100/120 (CS), > 94/120 (ME)
  • or IELTS: min score 7 (AE, ECE, ME) and 7.5 (CS) with a min score of 6.5 for Reading, Listening and Speaking, min score of 5.5 for Writing
  • or TOEIC > 850
• **GRE** (only required for MSCS), [http://www.ets.org/gre](http://www.ets.org/gre): min scores
  • Verbal > 153/170
  • Quantitative > 155/170
  • Analytical Writing > 3/6
## Key dates of your application

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<tr>
<th>Items</th>
<th>Dates</th>
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</thead>
<tbody>
<tr>
<td>TOEFL or IELTS or TOEIC &amp; GRE if applicable</td>
<td>Dec 1, 2022</td>
</tr>
<tr>
<td>GT application submitted on GT admission website</td>
<td>Feb 1, 2023</td>
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<tr>
<td>Admission decision</td>
<td>Feb - Mar</td>
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<tr>
<td>Start of program</td>
<td>Aug 20, 2023</td>
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