



BE AN ENGINEER . . . BECAUSE DREAMS NEED DOING!

The College of Engineering at Georgia Tech **ranks among the nation's top five engineering colleges.** As the largest engineering college in the U.S. and a leader in education, research, and service, we anticipate and meet the needs of tomorrow's world. Our programs prepare graduates to "hit the ground running" in engineering and also lay a solid foundation for further study in areas such as medicine, law, business, and public policy.

Our students have opportunities to work hands-on alongside renowned faculty on meaningful interdisciplinary research projects with real human benefits. We seek to help students become innovative, broadly knowledgeable, and globally competent, with the ability to transcend geographic and cultural boundaries so they not only succeed but set the standard for engineering excellence.

WHY BE AN ENGINEER?

PERHAPS YOU'VE DREAMED OF:

- Building robots and machines that help the disabled with their daily needs.
- Building an eco-friendly and "earthquake proof" skyscraper.
- Building cars and spacecraft that run on alternative fuels.
- Designing taller, faster roller coasters.
- Developing artificial organs.
- Creating special effects for movies.

ENGINEERS ...

- Make a world of difference.
- Imagine the future and make it happen.
- Are creative problem solvers.
- Are essential to our health, happiness, and safety.
- Have a wide variety of career paths.
- Work both nationally and internationally.
- Experience an environment of lifelong learning and discovery.
- Help shape the future.



COLLEGE OF ENGINEERING

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Sign up for an information session and tour of the College of Engineering at WWW.ADMISSION.GATECH.EDU/VISIT

DEGREE PROGRAMS IN THE COLLEGE OF ENGINEERING

AEROSPACE ENGINEERS

- Analyze, design, and build aircraft, rotocraft, spacecraft, satellites, and rockets.
- Improve the performance of vehicles moving through gases or liquids.
- Are specialists in fields such as aerodynamics, propulsion, and flight testing.

www.ae.gatech.edu

BIOMEDICAL ENGINEERS

- Integrate engineering with the biomedical sciences and clinical practice.
- Apply advanced technologies to the prevention, diagnosis, and treatment of disease.
- Work in fields such as biotechnology, pharmaceuticals, and medical devices.

www.bme.gatech.edu

CHEMICAL & BIOMOLECULAR ENGINEERS

- Discover and manufacture better plastics, fuels, and drugs.
- Protect the environment by inventing cleaner technologies.
- Work to create substitutes for Earth's shrinking natural resources.

www.chbe.gatech.edu

CIVIL ENGINEERS

- Design and construct functional, cost-effective, and sustainable structures.
- Improve quality of life through the design, construction, and management of critical infrastructure systems.
- Design structures that can resist earthquakes, tsunamis, hurricanes, and floods.

www.ce.gatech.edu

COMPUTER ENGINEERS

- Design and build robots that can help disabled people with their daily needs.
- Design network security and data storage protocols.
- Build robust computer systems that can correct themselves in case of errors or failure.

www.ece.gatech.edu

ELECTRICAL ENGINEERS

- Develop environmentally friendly technologies such as solar power and LED lighting.
- Build devices that detect hidden dangers or illegal substances.
- Make consumer electronic products that use less power and are smaller, faster, and cheaper.

www.ece.gatech.edu

ENVIRONMENTAL ENGINEERS

- Construct climate and watershed models to predict and prevent natural disasters.
- Engineer solutions to reduce global warming and improve human health conditions.
- Help businesses and governments make sustainable environmental decisions.

www.ce.gatech.edu

INDUSTRIAL ENGINEERS

- Organize people, money, energy, materials, and machines in industry, government, and health systems.
- Evaluate, design, control, and improve the performance of complex systems.
- Work in areas such as supply chain, economic decision analysis, and operations research.

www.isye.gatech.edu

MATERIALS SCIENCE ENGINEERS

- Develop new materials, including polymers, fibers, composites, ceramics, metals, and alloys for the next generation of engineering applications.
- Research, design, and develop materials for nanotechnology, energy production, biotechnology, aviation, transportation, and microelectronics.
- Specify and test materials for all engineering applications.

www.mse.gatech.edu

MECHANICAL ENGINEERS

- Work across disciplines to create new products for the betterment of humanity.
- Innovate and design mechanical, energy, and biomedical devices and systems.
- Work in design, manufacturing, finance, law, and medicine.

www.me.gatech.edu

NUCLEAR & RADIOLOGICAL ENGINEERS

- Design nuclear plants that generate electricity with no carbon footprint.
- Manage the recycling and disposal of nuclear waste.
- Use radiation to diagnose and treat diseases.

www.nre.gatech.edu

MEDIAN STARTING SALARY FOR GEORGIA TECH COE B.S. GRADUATES

Major	Salary
Aerospace Engineering	\$66,000
Biomedical Engineering	\$66,000
Chemical & Biomolecular Engineering	\$80,000
Civil Engineering	\$55,500
Computer Engineering	\$71,500
Electrical Engineering	\$68,000
Industrial Engineering	\$66,500
Materials Science & Engineering	\$63,000
Mechanical Engineering	\$66,400
Nuclear Engineering	\$66,000
All College of Engineering	\$66,700