



# Power Up Your Future!

Welcome, Gator Engineers!

UF's Herbert Wertheim College of Engineering is committed to working together with our students to help them succeed as learners, leaders and engineers! We are creating a renaissance approach to engineering that is interdisciplinary, dynamic and focused on innovation and discovery.

## Engineering Majors

Aerospace Engineering  
Biological Engineering  
Biomedical Engineering\*  
Chemical Engineering  
Civil Engineering  
Computer Engineering  
Computer Science  
Digital Arts & Sciences  
Electrical Engineering  
Environmental Engineering  
Exploratory Engineering  
Industrial & Systems Engineering  
Materials Science & Engineering  
Mechanical Engineering  
Nuclear Engineering

## Engineering Minors

Biomechanics  
Biomolecular Engineering  
Computer Science  
Electrical Engineering  
Engineering Innovation  
Materials Science & Engineering  
Sales Engineering

## Combined Degree Programs

Accelerated programs allow you to earn credits that count toward both a Bachelor's and Master's degree at the same time. Talk to your academic advisor about these opportunities.

## Facts about Gator Engineering:

- More than 1 in 5 UF students is a Gator Engineering student
- Gator Engineers are highly sought after by Tesla, GE, Lockheed Martin and other major corporations.
- Gainesville is listed in the Top 10 Best College Towns by Livability.com
- The middle salary range for employed Gator Engineering graduates is estimated at \$55,000 - \$65,000.

\* **Limited Access**— must apply to major in second year

## Why Gator Engineering?

1. **UF Engineering is one of the best in the country.** Our graduate and undergraduate programs have consistently been top ranked by *U.S. News and World Report*. We are in the Top Ten nationally in total STEM degrees awarded. We are 4th nationally in number of startups created. We have twice the number of inventions produced per research dollar invested than the national average.
  2. **We've planned for your success.** Our Power Up Your Future First-Year Engineering Program helps students explore majors, adjust to the transition from high school to college and complete a plan for their first year at UF and beyond.
  3. **You can expand your horizons.** Take your education beyond the classroom through research within UF as well as external research opportunities starting your first year!
  4. **Prepare for the global economy.** Take advantage of amazing global workplaces by studying abroad, doing research or completing an internship.
  5. **Learn leadership and entrepreneurial skills.** UF's Engineering Leadership Institute and Engineering Innovation Institute offer a variety of courses and learning opportunities to encourage students to foster creativity and lead teams to solve real world problems.
  6. **Engineering at UF is a team sport.** Top students from around the world come to UF and you'll have the opportunity to collaborate in a variety of areas throughout your undergraduate degree.
  7. **We help you get involved!** Gator Engineering students are very involved on campus. We have more than 50 engineering organizations and design teams. These opportunities will connect you with other students, expand your knowledge, and prepare you for success.
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# Explore UF's College of Engineering and Power Up Your Future!

## ENGINEERING ADVISORS/ COLLEGE LIFE COACHES

Engineering advisors/college life coaches are available to assist you in identifying your major, developing your college plan, and preparing for research, internships, or study abroad opportunities. We are dedicated to students' personal, professional and academic development.

## Introductory Engineering Courses

**EGS1006 Introduction to Engineering** A hands-on course that explores UF engineering majors.

**EMA1004 Materials Impact on Society**

Learn how materials contributed to the development of technologies and social structures worldwide.

**BME1008 Introduction to Biomedical Engineering**

Explore BME specializations, research and career opportunities

## ENGINEERING PEER ADVISORS

Our Engineering Peer Advisors are available to talk about majors, internships, research and involvement in the Center for Student Excellence in 204 Weil Hall.

## East Hall - Engineering Living Learning Community

Live with other UF Engineering students who are committed to academic success and fun! We provide a variety of programs and activities throughout the semester that integrate in-class and out-of-class experiences. Join this exciting community!

## Critical Tracking Courses are the foundation of your engineering degree!

MAC2311 Calculus 1 for Engineers

PHY2048 Physics with Calculus 1

MAC2312 Calculus 2

PHY2049 Physics with Calculus 2

MAC2313 Calculus 3

MAP2302 Differential Equations

CHM2045 or 2095 Chemistry 1

CHM2046 or 2096 Chemistry 2\*

**Mastery of all concepts, especially mathematics, is essential for academic and professional success!**

**Proper placement in courses is based on a combination of test scores and your confidence level.**

*\*Some engineering majors do not require CHM2046/2096 (Chemistry 2). Others require additional tracking courses not listed above. Please contact an Engineering Advisor/College Life Coach for more specific information.*

Students may begin their critical tracking sequence with pre-engineering math and chemistry classes but they will need to complete summer term(s) to finish in 5 semesters.

## Study Abroad

Studying abroad gives students a unique insight into the global nature of engineering. Future employers are looking for engineers who can differentiate themselves not just in terms of knowledge and skills, but also the ability to relate the knowledge in a global setting. For more information, please visit: [www.eng.ufl.edu/students/programs/international/](http://www.eng.ufl.edu/students/programs/international/)

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