

Road Map to Engineering & STEM Success

The University of Florida

HIGH SCHOOL PREPARATION

Honors, AP, IB, AICE, and Dual Enrollment classes can boost your “weighted” GPA and make you a more competitive applicant.

MATH

Algebra 1
Algebra 2
Geometry
Trigonometry
Calculus

SCIENCE

Biology
Chemistry
Physics

OTHER

AutoCAD/ Art & Design Software
English composition
Public Speaking
Presentation Skills
Computer programming

FRESHMAN YEAR

- Meet with your counselor to develop a 4-year academic plan.
- Engage in extracurricular and community service activities.
- Over summer, attend a summer program, do volunteer work, or have a job.
- Prepare for the PSAT.

SOPHOMORE YEAR

- Update your academic plan with your counselor.
- Practice critical reading skills.
- Take the PSAT in the fall.
- Work with your counselor to understand timing and deadlines for college admissions tests.

JUNIOR YEAR

- Research programs of study and career possibilities.
- Engage in extracurricular activities that will help you understand majors and careers.
- Retake the PSAT to compete for National Merit Scholarships (talk with your counselor).
- Take the SAT or EACT college admissions test.
- Participate in experiences that will help you write a strong essay for your application. Think sports, clubs, volunteer work and community service.
- Research colleges and universities you might want to attend.
- Visit prospective schools when possible.
- Look for scholarship opportunities.
- Start writing your college application essay.

SENIOR YEAR

- Be aware of dates & deadlines. Be Confident when you submit. Include clubs & unique activities
- Submit financial aid forms.



CENTER FOR STUDENT EXCELLENCE

Herbert Wertheim College of Engineering

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DUAL ENROLLMENT CREDITS

Dual Enrollment programs allow high school students to earn college credits while taking classes at a local community or state college. Because all Florida public institutions use a common course numbering system, transfer of Dual Enrollment credits within the state is easy.

SELECT COURSES CAREFULLY

Choose courses that will allow you to meet your high school graduation requirements, and will also meet a college requirement, if possible.

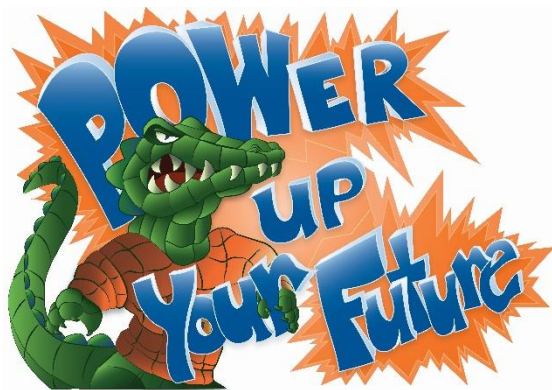
Do NOT try to complete all your General Education requirements through Dual Enrollment, unless you are planning to earn an AA degree. Completing General Education courses too soon will not leave you with courses that can help balance your schedule when you get to the university.

Aim to complete course sequences at the same institution. It is to your advantage not to split up math and science course sequences.

Taking math and science courses through Dual Enrollment can introduce you to the level of rigor in college classes.

Always talk with your high school guidance counselor about your course selections.

We invite you to contact us if you have questions related to engineering undergraduate programs at the University of Florida.



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