



## **You're Invited to Gator Engineering at State College of Florida!**

Congratulations on your invitation to the Gator Engineering at State College of Florida program! We know you'll probably have a lot of questions, so please read through this document for an introduction to the program and instructions for next steps, if you're interested in joining us.

### **What Is Gator Engineering at State College of Florida?**

Gator Engineering at State College of Florida is a collaboration between the University of Florida (UF), the Herbert Wertheim College of Engineering (HWCOE), and State College of Florida (SCF) in Manatee-Sarasota, FL. The partnership program was developed between the HWCOE at UF and State College of Florida in an effort to capture some of the qualified UF freshman applicants whose applications were denied by UF Admissions. Though UF is constantly growing, space on campus is limited and every year, many promising freshman applicants are unfortunately turned away.

Recognizing the academic qualifications of many of these applicants and their interest in engineering, however, the HWCOE at UF teamed up with SCF to create an invitation-only program that would provide deserving and committed students with an alternate, guided pathway for eventual admission to UF. A team of faculty and staff from the HWCOE at UF reviewed your application and selected you, with your scholastic accomplishments thus far and your selection of one of the majors offered in this program, for the option to participate in Gator Engineering at State College of Florida.

### **Degree Programs Available in Gator Engineering at State College of Florida**

- Aerospace Engineering (ASE)
- Computer Engineering (CpE)
- Computer Science (CSE)
- Digital Arts and Sciences (DAS)
- Electrical Engineering (EE)
- Mechanical Engineering (MAE)

## How Does Gator Engineering at State College of Florida Work?

Candidates who join the program begin their coursework in one of the six available majors at State College of Florida (SCF). If they stay on track and meet program requirements, students become eligible to take classes at UF while continuing their associate's degree studies at SCF. Through successful completion of program requirements, students from Gator Engineering at State College of Florida eventually transition fully to UF's campus to earn their bachelor's degrees in engineering from the University of Florida.

## What Are the Gator Engineering at State College of Florida Program Requirements?

Students in the program must:

- ❖ Adhere to an organized and timely schedule of courses for their respective majors.
- ❖ Maintain an overall 2.0 GPA or higher **and** a 2.5 or 2.8 GPA or higher for certain **critical tracking** courses, based on their specific major requirements.
  - Take all **critical tracking** courses at SCF (except for COP 3502C for CSE majors and EML 2023 for ASE and MAE majors).
- ❖ Earn their AA degrees from State College of Florida.

The following are some **important terms and explanations** that are helpful for understanding a student's progression through the Gator Engineering at State College of Florida program:

- **SCF student:** student status at State College of Florida (SCF) only, enrolled only at SCF
- **UF-Admitted student:** student in the Gator Engineering at State College of Florida program who is eligible to take at least 1 course online at UF while continuing major coursework and AA degree requirements at SCF
- **Full UF student:** student who is eligible to transition fully to UF's campus for all remaining courses

\*Student may still need to meet AA degree requirements via a reverse transfer of credit back to SCF.

- **Critical Tracking (CT) courses:** major-specific, foundational courses such as Calculus, Physics & Chemistry

\*Critical Tracking begins at Calculus I for students of all majors, except for those requiring precalculus coursework (who are tracked back one semester and start CT when they enroll in Calculus 1).






The following pages provide a chart of required CT courses for all available majors in the program, a table showing participating students' timelines regarding attendance at SCF and/or UF, and sample 4-year course plans for each major:

## Critical Tracking Course Requirements by Major

MAJORS	CRITICAL TRACKING (CT) COURSES									
	Calculus 1	Calculus 2	Calculus 3	Differential Equations	Physics 1 w/ Calc.	Physics 2 w/ Calc.	Programming 1	Chemistry 1	Comp. Aided Design	History of Art 2
	MAC2311	MAC2312	MAC2313	MAP2302	PHY2048	PHY2049	COP3502C*	CHM2045	EML2023*	ARH2051
Aerospace Engineering (ASE)	✓	✓	✓	✓	✓	✓		✓	✓	
Computer Engineering (CpE)	✓	✓	✓	✓	✓	✓				
Computer Science (CSE)	✓	✓	✓		✓	✓	✓			
Digital Arts and Sciences (DAS)	✓	✓	✓	✓	✓	✓		✓		✓
Electrical Engineering (EE)	✓	✓	✓	✓	✓	✓		✓		
Mechanical Engineering (MAE)	✓	✓	✓	✓	✓	✓		✓	✓	

\*UF course taken at UF

## Gator Engineering at State College of Florida Timeline

At State College of Florida				At UF
Summer B (optional)	Fall 1	Spring 1	Fall 2	Spring 2
Access to SCF campus only as:			Access to UF services as:	
 <p><b>SCF</b> student</p> <p>Get a head start by taking AA required courses at SCF (or at home).</p> <p>*If necessary, take CT course prerequisites this term.</p>	 <p><b>SCF</b> student</p> <p>Take all CT and AA courses at SCF.</p>	 <p><b>SCF</b> student</p> <p>Take all CT and AA courses at SCF.</p>	 <p><b>UF-Admitted</b> student</p> <p>Complete remaining CT classes at SCF, take at least one UF course online.</p>	 <p><b>Full UF</b> student</p> <p>Take all UF classes at UF campus until graduation.</p> <p>* If necessary, complete remaining AA required classes at UF (reverse transfer of credit to SCF for AA degree).</p>

# Sample Gator Engineering at State College of Florida Course Plans

These course plans are designed as a guide to what students can expect to take during their time in the Gator Engineering at State College of Florida program. Students with incoming credits may complete these plans at an accelerated rate. Regardless of the number of incoming credits, the earliest a student could be admitted to UF would be the Fall 2024 semester. Also, students may start in math and chemistry courses at lower levels than indicated in the first semester and this will require adjustment in later semesters. Courses designated with a # are UF courses and will be taken as online courses. Courses designated with an \*\*+ are Gordon-Rule writing courses that also meet the International-Intercultural requirement. Every effort has been made to ensure the accuracy of these course plans, but students should always refer to their official university catalog for degree requirements.

## AEROSPACE ENGINEERING

Critical Tracking GPA Requirement: 2.8, Critical Tracking Courses: MAC 2311, MAC 2312, MAC 2313, MAP 2302, CHM 2045, PHY 2048, PHY 2049, EML 2023 (will be taken at UF)

YEAR 1 at SCF			YEAR 2 at SCF		YEAR 2 at UF		YEAR 3 at UF			YEAR 4 at UF	
Fall	Spring	Summer	Fall		Spring	Summer	Fall	Spring	Summer	Fall	Spring
<b>MAC 2311</b> 4	<b>MAC 2312</b> 4	<b>MAC 2313</b> 4	<b>MAP 2302</b> 3		<b>EML 2023</b> 3	EEL 3003 3	EAS 4101 3	EAS 4132 3	Internship 1	EAS 4200 3	EAS 4300 3
<b>CHM 2045C</b> 5	<b>PHY 2048C</b> 5	SPC 1608 <sup>^</sup> 3	<b>PHY 2049C</b> 5		COP 2271 MatLab 2	EML 3100 3	EGM 3344 3	App Sci Elect 3		EAS 4400 3	EAS 4510 3
ENC 1101 3	ENC 1102 <sup>^</sup> 3	Gen Ed - SS/H**+ 3	ENC 3246 <sup>#</sup> 3		EAS 2011 3	EGM 3520 3	EGM 3401 3	EML 3301C 3		EAS 4810C 3	EAS 4710 3
Ged Ed - SS/H 3	EGS 2036 <sup>#</sup> 1		EML 2920 <sup>#</sup> 1		EGM 2511 3		EMA 3010 3	EML 4312 3		ASE Elective 3	Tech Elects 6
			Gen Ed - SS/H 3		Gen Ed - SS/H**+ 3		EML 2322L 2	MAP 4305 3		ASE Elective 3	
credits 15	credits 13	credits 10	credits 15		credits 14	credits 9	credits 14	credits 15	credits 1	credits 15	credits 15

## COMPUTER ENGINEERING

Critical Tracking GPA Requirement: 2.5, Critical Tracking Courses: MAC 2311, MAC 2312, MAC 2313, PHY 2048, PHY 2049, MAP 2302

YEAR 1 at SCF			YEAR 2 at SCF		YEAR 2 at UF		YEAR 3 at UF			YEAR 4 at UF	
Fall	Spring	Summer	Fall		Spring	Summer	Fall	Spring	Summer	Fall	Spring
<b>MAC 2311</b> 4	<b>MAC 2312</b> 4	<b>MAC 2313</b> 4	<b>MAP 2302</b> 3		COP 3502C 4	EEL 3701C 4	CDA 3101 3	CEN 3031 3	Internship 3	CEN 3907C 3	CEN 3908C 3
ENC 1101 3	<b>PHY 2048C</b> 5	Gen Ed - SS/H**+ 3	<b>PHY 2049C</b> 5		EEL 3111C 4	COP 3503C 4	COP 3530 3	EEL 4744C 4		Enrich. Elects 7	EEL 3135 4
Gen Ed - SS/H 3	ENC 1102 <sup>^</sup> 3	SPC 1608 <sup>^</sup> 3	ENC 3246 <sup>#</sup> 3		STA 3032 3	COT 3100 3	EEL 4712C 4	COP 4600 3		Tech Elects 6	EGS 4034 1
Gen Ed - SS/H 3	EGS 2036 <sup>#</sup> 1		Gen Ed - SS/H**+ 3		Science Elect 4		EGN 2020C 2	Tech Elects 6			Tech Elects 6
							MAS 3114 3				
credits 13	credits 13	credits 10	credits 14		credits 15	credits 11	credits 15	credits 16	credits 3	credits 16	credits 14

## COMPUTER SCIENCE

Critical Tracking GPA Requirement: 2.5, Critical Tracking Courses: MAC 2311, MAC 2312, MAC 2313, PHY 2048, PHY 2049, COP 3502 (will be taken at UF)

YEAR 1 at SCF			YEAR 2 at SCF		YEAR 2 at UF		YEAR 3 at UF			YEAR 4 at UF	
Fall	Spring	Summer	Fall		Spring	Summer	Fall	Spring	Summer	Fall	Spring
<b>MAC 2311</b> 4	<b>MAC 2312</b> 4	<b>MAC 2313</b> 4	<b>PHY 2049C</b> 5		<b>COP 3502C</b> 4	COP 3503C 4	CDA 3101 3	CEN 3031 3	Internship 3	CNT 4007C 3	CIS 4914 3
ENC 1101 3	<b>PHY 2048C</b> 5	Gen Ed - SS/H**+ 3	Gen Ed - SS/H**+ 3		STA 3032 3	COT 3100 3	CIS 4301 3	COP 4600 3		COP 4020 3	Tech Elects 6
Gen Ed - SS/H 3	ENC 1102 <sup>^</sup> 3		SPC 1608 <sup>^</sup> 3		Non-CISE Tech Elect 3	MAS 3114 3	COP 3530 3	Interdis. Elects 6		COP 4533 3	Interdis. Elects 5
Gen Ed - SS/H 3	EGS 2036 <sup>#</sup> 1		ENC 3246 <sup>#</sup> 3		EGN 2020C 2		Interdis. Elect 3	Tech Elect 3		Tech Elects 6	
					EGS 4034 1						
credits 13	credits 13	credits 7	credits 14		credits 13	credits 10	credits 12	credits 15	credits 3	credits 15	credits 14

## DIGITAL ARTS & SCIENCES

Critical Tracking GPA Requirement: 2.5, Critical Tracking Courses: MAC 2311, MAC 2312, MAC 2313, MAP 2302, CHM 2045, PHY 2048, PHY 2049, ARH 2051

YEAR 1 at SCF			YEAR 2 at SCF		YEAR 2 at UF		YEAR 3 at UF			YEAR 4 at UF	
Fall	Spring	Summer	Fall		Spring	Summer	Fall	Spring	Summer	Fall	Spring
<b>MAC 2311</b> 4	<b>MAC 2312</b> 4	<b>MAC 2313</b> 4	<b>MAP 2302</b> 3		COP 3502C 4	COP 3503C 4	CAP 3220 3	COP 3530 3	Internship 3	CAP 4800 3	CAP 4730 3
<b>CHM 2045C</b> 5	<b>PHY 2048C</b> 5	SPC 1608 <sup>^</sup> 3	<b>PHY 2049C</b> 5		EGN 2020C 2	COT 3100 3	CAP 3027 3	CAP 3020 3		COT 4501 3	CIS 4914 3
ENC 1101 3	<b>ARH 2051</b> 3	ENC 1102 <sup>^</sup> 3	ENC 3246 <sup>#</sup> 3		CAP 3032 3	Interdis. Elect 3	MAS 3114 3	CAP 3034 3		CEN 3031 3	COP 4020 3
Ged Ed - SS/H 3	EGS 2036 <sup>#</sup> 1		Gen Ed - SS/H 3		Gen ED - SS/H*** 3		CSE Elect 3	CSE Elect 3		Interdis. Elect 3	Interdis. Elects 6
							Interdis. Elect 3	ART 2353C 3		ART 2071C 3	
credits 15	credits 13	credits 10	credits 14		credits 12	credits 10	credits 15	credits 15	credits 3	credits 15	credits 15

## ELECTRICAL ENGINEERING

Critical Tracking GPA Requirement: 2.5, Critical Tracking Courses: MAC 2311, MAC 2312, MAC 2313, MAP 2302, CHM 2045, PHY 2048, PHY 2049

YEAR 1 at SCF			YEAR 2 at SCF		YEAR 2 at UF		YEAR 3 at UF			YEAR 4 at UF	
Fall	Spring	Summer	Fall		Spring	Summer	Fall	Spring	Summer	Fall	Spring
<b>MAC 2311</b> 4	<b>MAC 2312</b> 4	<b>MAC 2313</b> 4	<b>MAP 2302</b> 3		EEL 3000 2	EEL 3701C 4	EEL 3112 3	EEL 3850 4	Tech Elec 3	EEL 3923C 3	EEL 4924C 3
<b>CHM 2045C</b> 5	<b>PHY 2048C</b> 5	SPC 1608 <sup>^</sup> 3	<b>PHY 2049C</b> 5		EEL 3111C 4	EEL 3008 3	EEL 3135 4	EEL 4837 3	Tech Elec 3	Depth Elects 6	Interdis. Elects 3
ENC 1101 3	ENC 1102 <sup>^</sup> 3	Gen Ed - SS/H*** 3	ENC 3246 <sup>#</sup> 3		EGN 2020C 2		EEL 3308C 4	Breadth Elects 8		Tech Elects 6	Tech Elect 9
Ged Ed - SS/H 3	EGS 2036 <sup>#</sup> 1		Gen Ed - SS/H 3		Comp Prog. 3		Breadth Elect 4	Interdis. Elect 3			
					Gen Ed - SS/H*** 3						
credits 15	credits 13	credits 10	credits 14		credits 14	credits 7	credits 15	credits 18	credits 6	credits 15	credits 15

## MECHANICAL ENGINEERING

Critical Tracking GPA Requirement: 2.8, Critical Tracking Courses: MAC 2311, MAC 2312, MAC 2313, MAP 2302, CHM 2045, PHY 2048, PHY 2049, EML 2023 (will be taken at UF)

YEAR 1 at SCF			YEAR 2 at SCF		YEAR 2 at UF		YEAR 3 at UF			YEAR 4 at UF	
Fall	Spring	Summer	Fall		Spring	Summer	Fall	Spring	Summer	Fall	Spring
<b>MAC 2311</b> 4	<b>MAC 2312</b> 4	<b>MAC 2313</b> 4	<b>MAP 2302</b> 3		<b>EML 2023</b> 3	EEL 3003 3	EML 2322L 2	EML 3005 3	Internship 1	EML 4147C 3	EML 4314C 3
<b>CHM 2045C</b> 5	<b>PHY 2048C</b> 5	SPC 1608 <sup>^</sup> 3	<b>PHY 2049C</b> 5		COP 2271 MatLab 2	EML 3100 3	EGM 3344 3	EML 3301C 3		EML 4501 3	EML 4321 3
ENC 1101 3	ENC 1102 <sup>^</sup> 3	Gen Ed - SS/H*** 3	ENC 3246 <sup>#</sup> 3		EGM 2511 3	Approved 3	EGM 3401 3	EML 4140 3		EML 4507 3	EML 4502 3
Gen Ed - SS/H 3	EGS 2036 <sup>#</sup> 1		EML 2920 <sup>#</sup> 1		EMA 3010 3	science elect	EGN 3353C 3	EML 4220 3		Tech Elects 6	Spec Elect 3
			Gen Ed - SS/H 3		Gen Ed - SS/H*** 3		EGM 3520 3	EML 4312 3			Tech Elect 3
credits 15	credits 13	credits 10	credits 15		credits 14	credits 9	credits 14	credits 15	credits 1	credits 15	credits 15

## Additional Program Information

More in-depth information about the Gator Engineering at State College of Florida program can be found at our website: <https://www.eng.ufl.edu/students/gescf/>.

Our [Program Dates and Timeline](#) page explains the necessary timeline for program participants in more detail.

Our [Invited Students](#) page provides dates for upcoming Zoom information sessions for the program as well as a link to the confirmation form for students to accept their invitation to the program.

## Next Steps

Please visit our website for more information about Gator Engineering at State College of Florida! **The deadline to accept your invitation to the program is May 1<sup>st</sup>.** Should you choose to participate in the program, please complete the required online confirmation form found on our [Invited Students](#) page by May 1<sup>st</sup>. Please note that no confirmations will be accepted after the May 1<sup>st</sup> deadline.