

You're Invited to Gator Engineering at Santa Fe!

Congratulations on your invitation to the Gator Engineering at Santa Fe 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 Santa Fe?

Gator Engineering at Santa Fe is a collaboration between the University of Florida (UF), the Herbert Wertheim College of Engineering (HWCOE), and Santa Fe College (SF) in Gainesville, FL. It is a partnership program that was developed between the HWCOE at UF and local state college SF 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 SF 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 Santa Fe.

Degree Programs Available in Gator Engineering at Santa Fe

- Computer Engineering (CpE)
- Computer Science (CSE)
- Digital Arts and Sciences (DAS)
- Electrical Engineering (EE)
- Environmental Engineering (EVE)
- Materials Science and Engineering (MSE)
- Nuclear Engineering (NE)

How Does Gator Engineering at Santa Fe Work?

Candidates who join the program begin their coursework in one of the seven available majors at Santa Fe College (SF). 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 SF. Through successful completion of program requirements, students from Gator Engineering at Santa Fe 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 Santa Fe 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 GPA or higher for certain **critical tracking** courses.
 - Take all **critical tracking** courses at SF (except for COP3502C for CSE majors and EMA3010 for MSE majors).
- ❖ Earn their AA degrees from Santa Fe College.

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

- **Santa Fe student:** student status at Santa Fe College (SF) only, enrolled only at SF
- **UF-Admitted student:** student in the Gator Engineering at Santa Fe program who is eligible to take at least 1 course at UF while continuing major coursework and AA degree requirements at SF
- **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 SF.

- **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).






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 SF 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 MAC2311	Calculus 2 MAC2312	Calculus 3 MAC2313	Differential Equations MAP2302	Physics 1 w/ Calc. PHY2048	Physics 2 w/ Calc. PHY2049	Programming 1 COP3502C*	Chemistry 1 CHM2045	Chemistry 2 CHM2046	Materials EMA3010*	History of Art 2 ARH2051
Computer Engineering (CpE)	✓	✓	✓	✓	✓	✓					
Computer Science (CSE)	✓	✓	✓		✓	✓	✓				
Digital Arts and Sciences (DAS)	✓	✓	✓	✓	✓	✓		✓			✓
Electrical Engineering (EE)	✓	✓	✓	✓	✓	✓		✓			
Environmental Engineering (EVE)	✓	✓	✓	✓	✓	✓		✓	✓		
Materials Science and Engineering (MSE)	✓	✓	✓	✓	✓	✓		✓	✓	✓	
Nuclear Engineering (NE)	✓	✓	✓	✓	✓	✓		✓	✓		

*UF course taken at UF

Gator Engineering at Santa Fe Timeline

At Santa Fe College					At UF
Summer B (optional)	Fall 1	Attend UF Preview Orientation (if UF-Admitted)	Spring 1	Fall 2	Spring 2
Access to SF campus only as:			Access to UF services as:		
 Santa Fe student Get a head start by taking AA required courses at SF (or at home). *If necessary, take CT course prerequisites this term.	 Santa Fe student Take all CT and AA courses at SF.		 UF-Admitted student Take CT and AA classes at SF, take at least one UF course.	 UF-Admitted student Complete remaining CT classes at SF, take UF classes at UF.	 Full UF student Take all UF classes at UF campus until graduation. * If necessary, complete remaining AA required classes at UF (reverse transfer of credit to SF for AA degree).

Sample Gator Engineering at Santa Fe 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 Santa Fe 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 Spring 2024 semester. Also, students may start in math and chemistry courses at lower levels than indicated in the first semester. This will require adjustment in later semesters. Courses designated with an ** in the first four semesters are UF courses. 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.

Summer B prior to program start: For most majors – some students will benefit from taking courses during the Summer B 2023 semester. For example, students who do not have test credit or dual enrollment credit for CHM 1025 or CHM 2045 will be required to take CHM 1025 prior to taking CHM 2045 (if needed for their major). CHM 1025 may be offered during the Summer B semester. Students who do not place into MAC 2311 (or higher) would highly benefit from taking appropriate math courses during the Summer B semester.

Computer Engineering

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

Summer B (Optional)	YEAR 1			YEAR 2			YEAR 3		YEAR 4	
	Fall @ SF	Spring @ SF	Summer @ SF	Fall @ SF	Spring @ UF	Summer	Fall	Spring	Fall	Spring
	MAC 2311 4	MAC 2312 4	MAC 2313 4	MAP 2302 3	EGN 2020C 2	EEL 3701C 4	ENC 3246 3	EEL 3111C 4	CEN 3907C 3	CEN 3908C 3
	Gen Ed - S 3	PHY 2048/L 4	PHY 2049/L 4	Gen Ed - S 3	COP 3530 3	Enrich. Elects 4	CEN 3031 3	EEL 4712C 4	COP 4600 3	EEL 3135 4
	ENC 1101 3	ENC 1102 3	Gen Ed - MGA 3	COP 3503C** 4	CDA 3101 3		EEL 4744C 4	MAS 3114 3	Tech Elects 9	EGS 4034 1
	Gen Ed - H 3	COP 3502C** 4		COT 3100** 3	Gen Ed - H 3		STA 3032 3	Enrich. Elect 3		Tech Elects 6
					Addtl. Sci. 4		Enrich Elect 1	Tech Elect 3		
	credits 13	credits 15	credits 11	credits 13	credits 15	credits 8	credits 14	credits 17	credits 15	credits 14

Computer Science

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

Summer B (Optional)	YEAR 1			YEAR 2			YEAR 3		YEAR 4	
	Fall @ SF	Spring @ SF	Summer @ SF	Fall @ SF	Spring @ UF	Summer	Fall	Spring	Fall	Spring
	MAC 2311 4	MAC 2312 4	MAC 2313 4	Gen Ed - H 3	EGN 2020C 2	EGS 4034 1	STA 3032 3	COP 4600 3	CNT 4007C 3	CIS 4914 3
	ENC 1101 3	PHY 2048/L 4	PHY 2049/L 4	Gen Ed - S 3	CDA 3101 3	MAS 3114 3	CIS 4301 3	Interdis. Elects 6	COP 4020 3	Interdis. Elects 5
	Gen Ed - B 3	ENC 1102 3	Gen Ed - MGA 3	COP 3503C** 4	COP 3530 3	Interdis. Elect 3	CEN 3031 3	Tech Elect 3	COP 4533 3	Tech Elects 6
	Gen Ed - S 3	COP 3502C** 4		COT 3100** 3	Gen Ed - H 3		Tech Elect 3		Tech Elects 6	
					ENC 3246 3					
	credits 13	credits 15	credits 11	credits 13	credits 14	credits 7	credits 12	credits 12	credits 15	credits 14

Digital Arts and 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

Summer B (Optional)	YEAR 1			YEAR 2			YEAR 3		YEAR 4	
	Fall @ SF	Spring @ SF	Summer @ SF	Fall @ SF	Spring @ UF	Summer	Fall	Spring	Fall	Spring
CHM 1025/L 4	MAC 2311 4	MAC 2312 4	MAC 2313 4	MAP 2302 3	CAP 3032 3	MAS 3114 3	CAP 3027 3	CAP 3020 3	ART 2701C 3	CAP 4730 3
	CHM 2045/L 4	PHY 2048/L 4	Gen Ed - B 3	PHY 2049/L 4	COT 3100 3	Interdis. Elect 3	CAP 3220 3	CAP 3034 3	CAP 4800 3	CIS 4914 3
	ARH 2051 3	ENC 1102 3	Gen Ed - MGA 3	Gen Ed - S 3	ENC 3246 3		CSE Elects 6	COP 3530 3	CEN 3031 3	COP 4020 3
	ENC 1101 3	COP 3502C** 4		COP 3503C** 4	Gen Ed - H 3		Interdis. Elect 3	Interdis. Elects 3	COT 4501 3	Interdis. Elects 6
					Gen Ed - S 3			ART 2353C 3		
	credits 14	credits 15	credits 10	credits 14	credits 15	credits 6	credits 15	credits 15	credits 12	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

Summer B (Optional)	YEAR 1			YEAR 2			YEAR 3		YEAR 4	
	Fall @ SF	Spring @ SF	Summer @ SF	Fall @ SF	Spring @ UF	Summer	Fall	Spring	Fall	Spring
CHM 1025/L 4	MAC 2311 4	MAC 2312 4	MAC 2313 4	MAP 2302 3	EEL 3135 4	EEL 3701C 4	EEL 3008 3	EEL 3850 4	EEL 3923C 3	EEL 4924C 3
	CHM 2045/L 4	PHY 2048/L 4	PHY 2049/L 4	Gen Ed - B 3	EEL 3111C 4	ENC 3246 3	EEL 3112 3	EEL 4837 3	Depth Elects 6	Interdis. Elect 3
	ENC 1101 3	ENC 1102 3	Gen Ed - MGA 3	Gen Ed - S 3	Gen Ed - H 3	Interdis. Elect 3	EEL 3308C 4	Breadth Elects 8	Tech Elects 9	Tech Elects 9
	Gen Ed - H 3	EGN 2020C** 2		EEL 3000** 2	Gen Ed - S 3		Breadth Elect 4	Tech. Elect 3		
	credits 14	credits 13	credits 11	credits 14	credits 14	credits 10	credits 14	credits 18	credits 18	credits 15

Environmental Engineering

Critical Tracking GPA Requirement: 2.5, Critical Tracking Courses: MAC 2311, MAC 2312, MAC 2313, MAP 2302, CHM 2045, CHM 2046, PHY 2048, PHY 2049

Summer B (Optional)	YEAR 1			YEAR 2			YEAR 3		YEAR 4	
	Fall @ SF	Spring @ SF	Summer @ SF	Fall @ SF	Spring @ UF	Summer	Fall	Spring	Fall	Spring
CHM 1025/L 4	MAC 2311 4	MAC 2312 4	MAC 2313 4	MAP 2302 3	COP 2271 2	EMA 3010 3	CWR 3201 4	ENV 3930 2	CWR 4202 3	ENV 4009 4
	CHM 2045/L 4	CHM 2046/L 4	PHY 2048/L 4	PHY 2049/L 4	EGM 2511 3	ENC 3246 3	EES 3206 4	ENV 4041C 4	ENV 4454 4	ENV 4893 3
	ENC 1101 3	ENC 1102 3	Gen Ed - MGA 3	ENV 2003** 1	ENV 3001 4	GIS Elective 3	ENV 3000 4	ENV 4453 4	ENV 4892 3	Tech Elects 9
	Gen Ed - H 3	EGN 2020C** 2		Gen Ed - H 3	Gen Ed - B 3		ENV 3040 or 3	ENV 4545 4	ENV 4601 3	
	credits 14	credits 13	credits 11	credits 14	credits 15	credits 9	credits 15	credits 14	credits 16	credits 16

Materials Science and Engineering

Critical Tracking GPA Requirement: 2.5, Critical Tracking Courses: MAC 2311, MAC 2312, MAC 2313, MAP 2302, CHM 2045, CHM 2046, PHY 2048, PHY 2049, EMA 3010 (will be taken at UF)

Summer B (Optional)	YEAR 1			YEAR 2			YEAR 3		YEAR 4	
	Fall @ SF	Spring @ SF	Summer @ SF	Fall @ SF	Spring @ UF	Summer	Fall	Spring	Fall	Spring
CHM 1025/L 4	MAC 2311 4	MAC 2312 4	MAC 2313 4	MAP 2302 3	COP 2271 2	Gen Ed - B 3	EEL 3003 3	EMA 3013C 2	EMA 4324 3	EIN 3354 3
	CHM 2045/L 4	CHM 2046/L 4	PHY 2048/L 4	PHY 2049/L 4	EGM 2511 3	Gen Ed - S 3	EGM 3520 3	EMA 3413 3	EMA 4913 1	EMA 4714 3
	ENC 1101 3	ENC 1102 3	Gen Ed - MGA 3	EMA 3010** 3	EMA 3000L 1	Gen Ed - H 3	EMA 3050 3	EMA 3513C 4	EMA 4121 3	EMA 4914 3
	Gen Ed - H 3	EGN 2020C** 2		Gen Ed - S 3	EMA 3011 3		EMA 3066 3	EMA 4125 3	Mat. Lab Elect 1	Tech Elect 6
	credits 14	credits 13	credits 11	credits 13	credits 15	credits 9	credits 17	credits 15	credits 14	credits 15

Nuclear Engineering

Critical Tracking GPA Requirement: 2.5, Critical Tracking Courses: MAC 2311, MAC 2312, MAC 2313, MAP 2302, CHM 2045, CHM 2046, PHY 2048, PHY 2049

Summer B (Optional)	YEAR 1			YEAR 2			YEAR 3		YEAR 4	
	Fall @ SF	Spring @ SF	Summer @ SF	Fall @ SF	Spring @ UF	Summer	Fall	Spring	Fall	Spring
CHM 1025/L 4	MAC 2311 4	MAC 2312 4	MAC 2313 4	MAP 2302 3	EGM 2511 3	Gen Ed - S 3	EEL 3003 3	ENU 4103 4	ENU 4134 4	ENU 4145 3
	CHM 2045/L 4	CHM 2046/L 4	PHY 2048/L 4	PHY 2049/L 4	ENU 4001 4	EGM 3520 3	ENU 3132 4	ENU 4133 4	ENU 4191 1	ENU 4192 3
	ENC 1101 3	ENC 1102 3	Gen Ed - MGA 3	Gen Ed - H 3	Tech Elect 3	Gen Ed - B 3	EGS 4034 1	ENU 4800 3	ENU 4612/L 4	ENU 4505L 3
	Gen Ed - H 3	EGN 2020C** 2		ENU 1000** 1	ENC 3246 3		ENU 4003 4	Tech Elect 3	ENU 4630 3	ENU 4180 3
	credits 14	credits 13	credits 11	credits 13	credits 16	credits 9	credits 16	credits 17	credits 15	credits 15

Additional Program Information

More in-depth information about the Gator Engineering at Santa Fe program can be found at our website: <https://www.eng.ufl.edu/students/gesf/>.

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

Our [Invited & Prospective 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 Santa Fe! **The deadline to accept your invitation to the program is May 1st.** Should you choose to participate in the program, please complete the required online confirmation form found on our [Invited & Prospective Students](#) page by May 1st. Please note that no confirmations will be accepted after the May 1st deadline.