

## 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
	<b>MAC 2311</b> 4 Gen Ed - S 3 ENC 1101 3 Gen Ed - H 3	<b>MAC 2312</b> 4 <b>PHY 2048/L</b> 4 ENC 1102 3 COP 3502C** 4	<b>MAC 2313</b> 4 <b>PHY 2049/L</b> 4 Gen Ed - MGA 3	<b>MAP 2302</b> 3 Gen Ed - S 3 COP 3503C** 4 COT 3100** 3	EGN 2020C 2 COP 3530 3 CDA 3101 3 Gen Ed - H 3 Addtl. Sci. 4	EEL 3701C 4 Enrich. Elects 4	ENC 3246 3 CEN 3031 3 EEL 4744C 4 STA 3032 3 Enrich. Elect 1	EEL 3111C 4 EEL 4712C 4 MAS 3114 3 Enrich. Elect 3 Tech Elect 3	CEN 3907C 3 COP 4600 3 Tech Elects 9	CEN 3908C 3 EEL 3135 4 EGS 4034 1 Tech Elects 6
	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
	<b>MAC 2311</b> 4 ENC 1101 3 Gen Ed - B 3 Gen Ed - S 3	<b>MAC 2312</b> 4 <b>PHY 2048/L</b> 4 ENC 1102 3 <b>COP 3502C**</b> 4	<b>MAC 2313</b> 4 <b>PHY 2049/L</b> 4 Gen Ed - MGA 3	Gen Ed - H 3 Gen Ed - S 3 COP 3503C** 4 COT 3100** 3	EGN 2020C 2 CDA 3101 3 COP 3530 3 Gen Ed - H 3 ENC 3246 3	EGS 4034 1 MAS 3114 3 Interdis. Elect 3	STA 3032 3 CIS 4301 3 CEN 3031 3 Tech Elect 3	COP 4600 3 Interdis. Elects 6 Tech Elect 3	CNT 4007C 3 COP 4020 3 COP 4533 3 Tech Elects 6	CIS 4914 3 Interdis. Elects 5 Tech Elects 6
	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	<b>MAC 2311</b> 4 <b>CHM 2045/L</b> 4 <b>ARH 2051</b> 3 ENC 1101 3	<b>MAC 2312</b> 4 <b>PHY 2048/L</b> 4 ENC 1102 3 COP 3502C** 4	<b>MAC 2313</b> 4 Gen Ed - B 3 Gen Ed - MGA 3	<b>MAP 2302</b> 3 <b>PHY 2049/L</b> 4 Gen Ed - S 3 COP 3503C** 4	CAP 3032 3 COT 3100 3 ENC 3246 3 Gen Ed - H 3 Gen Ed - S 3	MAS 3114 3 Interdis. Elect 3	CAP 3027 3 CAP 3220 3 CSE Elects 6 Interdis. Elect 3	CAP 3020 3 CAP 3034 3 COP 3530 3 Interdis. Elects 3 ART 2353C 3	ART 2701C 3 CAP 4800 3 CEN 3031 3 COT 4501 3	CAP 4730 3 CIS 4914 3 COP 4020 3 Interdis. Elects 6
	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	<b>MAC 2311</b> 4	<b>MAC 2312</b> 4	<b>MAC 2313</b> 4	<b>MAP 2302</b> 3	EEL 3135 4	EEL 3701C 4	EEL 3008 3	EEL 3850 4	EEL 3923C 3	EEL 4924C 3
	<b>CHM 2045/L</b> 4	<b>PHY 2048/L</b> 4	<b>PHY 2049/L</b> 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	<b>MAC 2311</b> 4	<b>MAC 2312</b> 4	<b>MAC 2313</b> 4	<b>MAP 2302</b> 3	COP 2271 2	EMA 3010 3	CWR 3201 4	ENV 3930 2	CWR 4202 3	ENV 4009 4
	<b>CHM 2045/L</b> 4	<b>CHM 2046/L</b> 4	<b>PHY 2048/L</b> 4	<b>PHY 2049/L</b> 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	<b>MAC 2311</b> 4	<b>MAC 2312</b> 4	<b>MAC 2313</b> 4	<b>MAP 2302</b> 3	COP 2271 2	Gen Ed - B 3	EEL 3003 3	EMA 3013C 2	EMA 4324 3	EIN 3354 3
	<b>CHM 2045/L</b> 4	<b>CHM 2046/L</b> 4	<b>PHY 2048/L</b> 4	<b>PHY 2049/L</b> 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	<b>EMA 3010**</b> 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	<b>MAC 2311</b> 4	<b>MAC 2312</b> 4	<b>MAC 2313</b> 4	<b>MAP 2302</b> 3	EGM 2511 3	Gen Ed - S 3	EEL 3003 3	ENU 4103 4	ENU 4134 4	ENU 4145 3
	<b>CHM 2045/L</b> 4	<b>CHM 2046/L</b> 4	<b>PHY 2048/L</b> 4	<b>PHY 2049/L</b> 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