

## 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. Please note that these are draft course plans are based on the 2022-2023 AA degree requirements and UF degree requirements. Changes may be made when the 2023-2024 AA degree requirements and 2023-2024 UF Undergraduate Catalog are finalized. Every effort has been made to ensure the accuracy of these course plans but students should always refer to their official university catalog.

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
CHM 1025/L 4	MAC 2311 4	MAC 2312 4	MAC 2313 4	MAP 2302 3	COP 3503C 4	COP 3530 3	CDA 3101 3	CEN 3031 3	CEN 3907C 3	CEN 3908C 3
	Gen Ed - S 3	PHY 2048/L 4	PHY 2049/L 4	COP 3502C** 4	COT 3100 3	EEL 3701C 4	EEL 3111C 4	EEL 4712C 4	COP 4600 3	EEL 3135 4
	ENC 1101 3	ENC 1102 3	Gen Ed - MGA 3	BSC 2005/L 4	ENC 3246 3	Enrich. Elects 4	EEL 4744C 4	MAS 3114 3	Tech Elects 9	EGS 4034 1
	Gen Ed - H 3	EGN 2020C** 2		Gen Ed - S 3	Gen Ed - H 3		STA 3032 3	Enrich. Elect 3		Tech Elects 6
	credits 13	credits 13	credits 11	credits 14	credits 13	credits 11	credits 15	credits 16	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	COP 3502C** 4	COP 3503C 4	EGS 4034 1	CDA 3101 3	CEN 3031 3	CNT 4007C 3	CIS 4914 3
	ENC 1101 3	PHY 2048/L 4	PHY 2049/L 4	ENC 3246** 3	COT 3100 3	MAS 3114 3	CIS 4301 3	COP 4600 3	COP 4020 3	Interdis. Elects 5
	Gen Ed - B 3	ENC 1102 3	Gen Ed - MGA 3	Gen Ed - H 3	STA 3032 3	Interdis. Elect 3	COP 3530 3	Interdis. Elects 6	COP 4533 3	Tech Elects 6
	Gen Ed - S 3	EGN 2020C** 2		Gen Ed - S 3	Gen Ed - H 3		Tech Elect 3	Tech Elect 3	Tech Elects 6	
	credits 13	credits 13	credits 11	credits 13	credits 13	credits 7	credits 12	credits 15	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	COP 3503C 4	ART 2305C 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	MAS 3114 3	CAP 3220 3	CAP 3032 3	CAP 4800 3	CIS 4914 3
	ARH 2051 3	ENC 1102 3	Gen Ed - MGA 3	COP 3502C** 4	ENC 3246 3	Interdis. Elect 3	CSE Elects 6	CAP 3034 3	CEN 3031 3	COP 4020 3
	ENC 1101 3	EGN 2020C** 2		Gen Ed - S 3	Gen Ed - H 3		Interdis. Elect 3	COP 3530 3	COT 4501 3	Interdis. Elects 6
	credits 14	credits 13	credits 10	credits 14	credits 16	credits 9	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

\*Programming for EE 2 (course number pending)

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	Comp. Prog. 3	EEL 3701C 4	EEL 3008 3	EEL 3112 3	EEL 3923C 3	EEL 4924C 3
	CHM 2045/L 4	PHY 2048/L 4	PHY 2049/L 4	EEL 3000** 2	EEL 3111C 4	EEL 3850 4	EEL 3135 4	EEL 4xxx+ 3	Depth Elects 6	Interdis. Elect 3
	ENC 1101 3	ENC 1102 3	Gen Ed - MGA 3	ENC 3246** 3	Gen Ed - H 3		EEL 3308C 4	Breadth Elects 8	Tech Elects 8	Tech Elects 9
	Gen Ed - H 3	EGN 2020C** 2		Gen Ed - B 3	Gen Ed - S 3		Breadth Elect 4	Interdis. Elect 3		
	credits 14	credits 13	credits 11	credits 14	credits 13	credits 8	credits 15	credits 17	credits 17	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 4601 3
	ENC 1101 3	ENC 1102 3	Gen Ed - MGA 3	ENV 2003** 1	ENV 3001 4	GIS Elective 3	ENV 3002 4	ENV 4453 4	ENV 4892 3	ENV 4893 3
	Gen Ed - H 3	EGN 2020C** 2		Gen Ed - H 3	Gen Ed - B 3		ENV 3040 or 3	ENV 4545 4	Dept Tech Elect 3	Tech Elects 6
	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 4354 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 4121 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	Mat. Lab Elect 1	EMA 4714 3
	Gen Ed - H 3	EGN 2020C** 2		Gen Ed - S 3	EMA 3011 3		EMA 3066 3	EMA 4125 3	Tech Elects 9	EMA 4914 3
	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, BSC 2010 (or 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	EML 4140 3	ENU 4134 4	ENU 4145 3
	CHM 2045/L 4	BSC 2010/L 4	PHY 2048/L 4	PHY 2049/L 4	EMA 3010 3	COP 2271 2	EGN 3353C 3	ENU 4103 4	ENU 4191 1	ENU 4192 3
	ENC 1101 3	ENC 1102 3	Gen Ed - MGA 3	ENC 3246** 3	EML 3100 3	EGM 3520 3	EGS 4034 1	ENU 4144 3	ENU 4612/L 4	ENU 4505L 3
	Gen Ed - H 3	EGN 2020C** 2		Gen Ed - H 3	STA 3032 3	ENU 1000 1	ENU 4001 4	ENU 4800 3	ENU 4630 3	ENU 4641C 2
	credits 14	credits 13	credits 11	credits 13	credits 15	credits 9	credits 16	credits 16	credits 15	credits 14