

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 2021 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 ** are UF courses. Please note that these are draft course plans are based on the 2019-2020 AA degree requirements and UF degree requirements. Changes will be made when the 2020-2021 AA degree requirements and 2020-2021 UF Undergraduate Catalog are finalized. Updated 3/17/20

For all majors – some students will benefit from taking courses during the Summer B 2020 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. 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, CHM 2045, PHY 2048, PHY 2049, 2000-level approved biological science course

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	COP 3502 3	COP 3503 3	CDA 3101 3	CEN 3031 3	COP 4600 3	Design 2 3
CHM 2045/L 4	PHY 2048/L 4	Gen Ed - B 3	PHY 2049/L 4	EEL 3111C 4	COT 3100 3	COP 3530 4	EEL 3744C 4	EEL 3135 4	CpE Tech Elects 12
ENC 1101 3	ENC 1102 3	Gen Ed - MGA 3	Gen Ed - H 3	Gen Ed - S 3		EEL 3701C 4	EEL 4712C 4	Design 1 3	
Gen Ed - H 3	EGN 2020C** 2		Gen Ed - S 3	ENC 3246 3	Ethics 1-2	STA 3032 3	CpE Tech Elect 3	CpE Tech Elect 3	
						MAS 3114 3	Breadth Elect 2	Breadth Elect 3	
credits 14	credits 13	credits 10	credits 13	credits 14-15	credits 6	credits 17	credits 16	credits 16	credits 15

Computer Science

Critical Tracking GPA Requirement: 2.5, Critical Tracking Courses: MAC 2311, MAC 2312, MAC 2313, CHM 2045, PHY 2048, PHY 2049, COP 3502 (will be taken at UF)

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	PHY 2049/L 4	COP 3503 3	STA 3032 3	CDA 3101 3	CEN 3031 3	CIS 4301 3	CEN 4914 3
CHM 2045/L 4	PHY 2048/L 4	Gen Ed - B 3	COP 3502** 3	ENC 3246 3	Interdis. Elect 3	COT 3100 3	COP 3530 4	COP 4600 3	CNT 4007C 4
ENC 1101 3	ENC 1102 3	Gen Ed - MGA 3	Gen Ed - S 3	MAS 3114 3	EGS 4034 1	EEL 3701C 4	COT 4501 3	CSE Tech Elects 6	CSE Tech Elect 3
Gen Ed - S 3	EGN 2020C** 2		Gen Ed - H 3	Gen Ed - H 3	CSE Tech Elect 3	Interdis. Elect 2	CSE Tech Elect 3	Interdis. Elect 3	Interdis. Elects 6
credits 14	credits 13	credits 10	credits 13	credits 12	credits 10	credits 12	credits 13	credits 15	credits 16

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

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	Gen Ed - S 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	CAP 3032 3	ART 2305C 3	CAP 3220 3	CAP 3034 3	CAP 4800 3	CIS 4914 3
ARH 2051 3	ENC 1102 3	Gen Ed - MGA 3	COP 3502** 3	COP 3503 3	ENC 3246 3	COT 3100 3	COP 3530 4	CEN 3031 3	COP 4020 3
ENC 1101 3	EGN 2020C** 2		Gen Ed - S 3	Gen Ed - H 3	Interdis. Elect 3	CSE Elects 6	Interdis. Elects 6	COT 4501 3	Interdis. Elects 6
credits 14	credits 13	credits 10	credits 13	credits 12	credits 12	credits 15	credits 16	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

YEAR 1			YEAR 2			YEAR 3			YEAR 4		
Fall @ SF	Spring @ SF	Summer @ SF	Fall @ SF	Spring @ UF	Summer	Fall	Spring	Fall	Spring	Fall	Spring
MAC 2311 4	MAC 2312 4	MAC 2313 4	MAP 2302 3	Gen Ed - S 3	ENC 3246 3	EEL 3008 3	EEL 3112 3	EEL 3923C 3	EEL 4924C 3		
CHM 2045/L 4	PHY 2048/L 4	Gen Ed - B 3	PHY 2049/L 4	EEL 3000 2	STA 3032 3	EEL 3135 4	EEL 3744C 4	Breadth Elect 4	Depth Elect 3		
ENC 1101 3	ENC 1102 3	Gen Ed - MGA 3	Gen Ed - H 3	EEL 3111C 4	Comp. Prog. 3	MAS 3114 3	Breadth Elects 8	Depth Elect 3	Interdis. Elects 3		
Gen Ed - H 3	EGN 2020C** 2		Gen Ed - S 3	EEL 3701C 4	EE Tech Elect 3	Interdis. Elects 6		EE Tech Elects 7	EE Tech Elects 7		
credits 14	credits 13	credits 10	credits 13	credits 13	credits 12	credits 16	credits 15	credits 17	credits 16		

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

YEAR 1			YEAR 2			YEAR 3			YEAR 4		
Fall @ SF	Spring @ SF	Summer @ SF	Fall @ SF	Spring @ UF	Summer	Fall	Spring	Fall	Spring	Fall	Spring
MAC 2311 4	MAC 2312 4	MAC 2313 4	MAP 2302 3	EES 4203 4	STA 3032 3	EES 4201 3	CWR 3201 4	ENV 4121 3	EES 4005C 3		
CHM 2045/L 4	CHM 2046/L 4	PHY 2048/L 4	PHY 2049/L 4	Gen Ed - S 3	EMA 3010 3	EGM 2511 3	EES 4102 2	ENV 4351 4	ENV 3930 1		
ENC 1101 3	ENC 1102 3	Gen Ed - MGA 3	Gen Ed - S 3	ENC 3246 3	Sust. Elect 3	EGM 3400 2	ENV 4041C 3	ENV 4501 3	ENV 4506 3		
Gen Ed - H 3	EGN 2020C** 2		Gen Ed - H 3	Gen Ed - B 3	Tech Elect 3	EML 2023 3	ENV 4101 3	ENV 4561 3	Design Elect 3		
						ENV 3040C 3	ENV 4514C 3	Tech Elect 3	Tech Elects 6		
							ENV 4601 2				
credits 14	credits 13	credits 11	credits 13	credits 13	credits 12	credits 14	credits 17	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

YEAR 1			YEAR 2			YEAR 3			YEAR 4		
Fall @ SF	Spring @ SF	Summer @ SF	Fall @ SF	Spring @ UF	Summer	Fall	Spring	Fall	Spring	Fall	Spring
MAC 2311 4	MAC 2312 4	MAC 2313 4	MAP 2302 3	ENC 3246 3	EEL 3003 3	EGM 3520 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 - B 3	EMA 3050 3	EMA 3414 3	EMA 4913/4915 1-2	EMA 4121 3		
ENC 1101 3	ENC 1102 3	Gen Ed - MGA 3	EMA 3010** 3	EMA 3000L 1	Gen Ed - S 3	EMA 3066 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	Gen Ed - H 3	EMA 3080C 2	EMA 4125 3	Tech Elects 9	EMA 4914/4916 3		
				EMA 3800 3	COP 2271 2	EMA 4314 3	EMA 4221 3		Tech Elect 3		
credits 14	credits 13	credits 11	credits 13	credits 13	credits 14	credits 14	credits 15	credits 14-16	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

YEAR 1			YEAR 2			YEAR 3			YEAR 4		
Fall @ SF	Spring @ SF	Summer @ SF	Fall @ SF	Spring @ UF	Summer	Fall	Spring	Fall	Spring	Fall	Spring
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	Gen Ed - S 3	EML 3100 3	EGM 3520 3	ENU 4001 4	ENU 4144 3	ENU 4612/L 4	ENU 4505L 3		
Gen Ed - H 3	EGN 2020C** 2		Gen Ed - H 3	ENC 3246 3	ENU 1000 1	ENU 4605 4	ENU 4800 3	ENU 4630 3	ENU 4641C 2		
				STA 3032 3	EGN 4034 1	ENU 4934 1	Tech Elect 3	Tech Elect 3	Tech Elect 3		
credits 14	credits 13	credits 11	credits 13	credits 15	credits 10	credits 15	credits 16	credits 15	credits 14		