4-YEAR SUGGESTED COURSE SCHEDULE
ENGINEERING
Simpson University

	FALL			SPRING		
	COURSE #	**COURSE TITLE**	**UNITS**	**COURSE #**	**COURSE TITLE**	**UNITS**
FRESHMAN	GATE 1000	Gateway to the Ascent	2	BIBL 1310	Literature of New Testament	3
	COMM 1260	Oral Communication	3	ENGL 1220	Principles of College Writing II	3
	CHEM 1510	General Chemistry I	4	ENGR 1060	CAD Design & Modeling	3
	CORE 2000	Engaging Faith and Society	3	MATH 2610	Statistics	3
	ENGR 1000	Intro to Engineering	3	MATH 2430	Calculus I	4
	LEAD 2000	Service Seminar	0			
	MATH 1830	Precalculus (*if needed)*	(3)			
			15 *(18)*			**16**
SOPHOMORE	MATH 2530	Calculus II	4	BIBL 1300	Literature of Old Testament	3
	ENGR 1830	Computer Programming & Algorithms	4	ENGR 2910	Sophomore Project	2
	ENGR 1950	Engineering Economic Analysis	2	ENGR 2150	Statics	3
	PHYS 2510	University Physics I	4	MATH 2630	Calculus III	3
	Trail #5	Adventure Recreation Course	1	PHYS 2520	University Physics II	4
			15			**15**
JUNIOR	ENGR 2250	Dynamics	3	ENGR 2510	Linear Circuits I	4
	ENGR 2400	Principles of Materials Science	3	ENGR 2600	Manufacturing Processes	3
	ENGR 3620	Intro to Robotics	3	ENGR 3230	Fluid Mechanics	3
	MATH 3940	Differential Equations & Linear Algebra	4	ENGR 3640	Mechanics of Materials	3
	MUSI 3690	Music in World Cultures (Summit)	3	ENGR 3830	Engineering Design & Project Dev.	3
			16			**16**
				**Summer ENGR 3920/3930/3950*		*3 credit*
SENIOR	ENGR 2940	Principles of Management	3	ENGR 3530	Control Systems	3
	ENGR 3210	Signals & Systems	3	ENGR 4030	Quality Engineering	3
	ENGR 3410	Thermodynamics	3	ENGR 4920	Capstone Design Project II	3
	ENGR 4910	Capstone Design Project I	2	Trail #2	Cultural Perspectives (HUMA 1460)	3
		Elective #1	4		Elective #2	3
			15			**15**

Note: Course offerings are subject to change. Please refer to the SU Catalogue as the authoritative standard for graduation requirements.

Last updated 10/28/2026