

Northwest Nazarene University
Bachelor of Science in Engineering – Non-Calculus Start – Five Year Plan
2021 Plan of Study (132 credits)

Fall				First year		Spring			
Course #	Cr	Course Title		Course #	Cr	Course Title			
ENGR 1010	3	Intro to Engineering		ENGR 1050	3	Engineering CAD, Prototype			
MATH 1300	3	College Algebra		MATH 1400	3	Trigonometry			
HUMN1010	1	Cornerstone		KINE	2	Wellness & Activity			
ENGL 1030	3	University Writing		BIBL 1100	3	Biblical Studies			
10				11					

Fall				Second year		Spring			
Course #	Cr	Course Title		Course #	Cr	Course Title			
MATH 2510	4	Calculus I		MATH 2520	4	Calculus II			
ENGR 1100	3	Engineering Software Skills		PHYS 2110	4	Physics I + Lab			
	3	US History Elective		ENGL 3015	3	Technical Writing			
CHEM 2230	4	Chemistry for Engineer+Lab		THEO 2100	3	Christian Theology			
14				14					

Fall				Third year		Spring			
Course #	Cr	Course Title		Course #	Cr	Course Title			
ENGR 2100	3	Statics		ENGR 2120	3	Dynamics			
ENGR 2200	4	Digital Systems + Lab		ENGR 2210	4	Electrical Circuits + Lab			
MATH 3540	4	Differential Equations		MATH 3530	4	Calculus III			
PHYS 2120	4	Physics II + Lab		ENGR 2310	1	Instrumentation & Msmt Lab			
15				12					

Fall				Fourth year		Spring			
Course #	Cr	Course Title		Course #	Cr	Course Title			
ENGR 3400	4	Control Systems + Lab		ENGR 3410	3	Engineering Econ & Ethics			
PHYS 3500	3	Statistical Analysis for P&E		ENGR3110L	1	Materials & Thermo Lab			
ENGR 3100	3	Mechanics of Materials		ENGR 3110	3	Thermodynamics			
				ENGL	3	Literature Elective			
ENGR 4XXX	4	ENGR Conc + Lab		ENGR 4XXX	4	ENGR Conc + Lab			
14				14					

Fall				Fifth year		Spring			
Course #	Cr	Course Title		Course #	Cr	Course Title			
ENGR 4971	2	Senior Design Project I		ENGR 4972	2	Senior Design Project II			
	3	Art/Music Elective			3	Philosophy Elective			
COMM3211	3	Technical Communication			3	Non US History Elective			
ENGR 4XXX	3	ENGR Conc			3	Bible/Theology Elective			
ENGR 4XXX	3	ENGR Conc		ENGR 4XXX	3	ENGR Conc			
14				14					