

Northwest Nazarene University
Bachelor of Science in Engineering – Non-Calculus Start – Five Year Plan
2022-23 Plan of Study (132 credits)

Fall

First year

Spring

Course #	Cr	Course Title	Days/Time/Instr	Course #	Cr	Course Title	Days/Time/Instr
ENGR 1010	3	Intro to Engineering	MWF 12:05 Parke	ENGR 1050	3	Engr CAD & Prototyping	MWF12:05 Bulanon
MATH 1300	3	College Algebra	MWF2:15 Korntved	MATH 1400	3	Trigonometry	MWF2:15 Burton
HUMN1020	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	Days/Time/Instr	Course #	Cr	Course Title	Days/Time/Instr
MATH 2510	4	Calculus I	MWF2:15 Korntved	MATH 2520	4	Calculus II	MWF2:15 Burton
ENGR 1100	3	Engineering Software Skills	MWF 9:05 Griffin	PHYS 2110	4	Physics I + Lab	MWF9:05 Lawrence
	3	US History Elective		ENGL 3015	3	Technical Writing	
CHEM 2230	4	Chemistry for Engineer+Lab	MWF 9:05 Harris	THEO 2100	3	Christian Theology	
14				14			

Fall

Third year

Spring

Course #	Cr	Course Title	Days/Time/Instr	Course #	Cr	Course Title	Days/Time/Instr
ENGR 2100	3	Statics	MWF 1:10 Pratt	ENGR 3120	3	Dynamics	MWF2:15 Lawrence
ENGR 2200	4	Digital Systems + Lab	T 8:00-11 Griffin	ENGR 2210	4	Electrical Circuits + Lab	MWF 1:10 Griffin
MATH 3540	4	Differential Equations	MWF 9:05 Colwell	MATH 3530	4	Calculus III	MWF 9:05 Colwell
PHYS 2120	4	Physics II + Lab	MWF 8:00 Pearson	ENGR 2310	1	Instrumentation & Msmt Lab	R 12 Parke
15				12			

Fall

Fourth year

Spring

Course #	Cr	Course Title	Days/Time/Instr	Course #	Cr	Course Title	Days/Time/Instr
ENGR 3400	4	Control Systems + Lab	MWF11:00 Bulanon	ENGR 3410	3	Engineering Econ & Ethics	MWF11:00 Parke/C
PHYS 3500	3	Statistical Analysis for P&E	MWF12:05 Pearson	ENGR3110L	1	Materials & Thermo Lab	T 12 Pratt
ENGR 3100	3	Mechanics of Materials	MWF 8:00 Pratt	ENGR 3110	3	Thermodynamics	MWF12:05 Pratt
				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	Days/Time/Instr	Course #	Cr	Course Title	Days/Time/Instr
ENGR 4971	2	Senior Design Project I	TR 1:40 Parke/Bul	ENGR 4972	2	Senior Design Project II	TR 1:40 Parke/Bul
	3	Art/Music Elective			3	Philosophy Elective	
COMM3211	3	Technical Communication	MWF 9:05 Allen		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			