

**Northwest Nazarene University**  
**Bachelor of Science in Physics**  
**2022-23 Plan of Study (122 credits)**

**Fall**

**Freshman 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	3	Physics I	MWF9:05 Lawrence
				PHYS2110L	1	Physics I Lab	T 12 & 3 Allen
HUMN1020	1	Cornerstone		KINE	2	Wellness & Activity	
ENGL 1030	3	University Writing		BIBL 1100	3	Biblical Studies	
	3	Elective			3	Elective	
	<b>14</b>				<b>16</b>		

**Fall**

**Sophomore year**

**Spring**

Course #	Cr	Course Title	Days/Time/Instr	Course #	Cr	Course Title	Days/Time/Instr
MATH 3540	4	Differential Equations	MWF 9:05 Colwell	MATH 3530	4	Calculus III	MWF 9:05 Colwell
PHYS 2120	3	Physics II	MWF 8:00 Pearson	ENGR 2310	1	Instrumentation & Msmt Lab	R 12 Parke
PHYS2120L	1	Physics II Lab	T 12 & 3 Allen	PHYS 3130	3	Modern Physics	MWF12:05 Pearson
THEO 2100	3	Christian Theology		PHYS3130L	1	Modern Physics Lab	R 8 Pearson
	3	Elective			3	Social Science Elective	
	3	Elective			3	Elective	
	<b>17</b>				<b>15</b>		

**Fall**

**Junior year**

**Spring**

Course #	Cr	Course Title	Days/Time/Instr	Course #	Cr	Course Title	Days/Time/Instr
PHYS 3500	3	Statistical Analysis for P&E	MWF12:05 Pearson		3	Bible/Theology Elective	
MATH 3560	3	Numerical Analysis		CHEM3510	3	Thermodynamics & Kinetics	
CHEM 2230	3	Chemistry for Engineers	MWF 9:05 Harris	ENGL	3	Literature Elective	
CHEM2230L	1	Chemistry for Engineers Lab	R 12 Harris	PHYS 4810	3	Quantum Mechanics	Lawrence
PHYS 3410	3	Analytic Mechanics	Pearson	ENGL 3015	3	Technical Writing	
	<b>1</b>				<b>15</b>		
	<b>3</b>						

**Fall**

**Senior year**

**Spring**

Course #	Cr	Course Title	Days/Time/Instr	Course #	Cr	Course Title	Days/Time/Instr
PHYS 4970	1	Senior Research	TBA	PHYS 4980	1	Senior Capstone	TBA
	3	Art/Music Elective			3	Philosophy Elective	
	3	Elective			3	Non US History Elective	
COMM3211	3	Technical Communication	MWF 9:05 Allen		3	US History Elective	
PHYS4610	3	Electromagnetics	MWF2:15Lawrence	PHYS4720	3	Solid State Physics	Lawrence
	3	Elective			3	Elective	
	<b>16</b>				<b>16</b>		