

2023 B.S. Physics Degree Plan (120 Hours)

STUDENT NAME: _____				
STUDENT ID: _____				
AUDITS: 45 _____ 75 _____		PRE-HEALTH: NO YES		
Course Title	Subject Prefix/ Course #	HR	Semester Taken	Grade
CORE CURRICULUM				
Communication (010)				
		3		
		3		
Mathematics (020)				
Differential Calculus or Calculus I	MATH 2413 or 2417*	4		
Life and Physical Sciences (030)				
Mechanics	PHYS 2325	3		
Electromagnetism and Waves	PHYS 2326	3		
Language, Philosophy and Culture (040)				
		3		
Creative Arts (050)				
		3		
American History (060)				
		3		
		3		
Government/Political Science (070)				
American National Government	GOVT 2305	3		
State and Local Government	GOVT 2306	3		
Social and Behavioral Science (080)				
		3		
Component Area Option (090)				
General Chemistry I	CHEM 1311	3		
General Chemistry II	CHEM 1312	3		
Major Preparatory Courses				
General Chemistry I	CHEM 1311	3		
Chem Lab I	CHEM 1111	1		
General Chemistry II	CHEM 1312	3		
Chem Lab II	CHEM 1112	1		
Differential Calculus or Calculus I	MATH 2413 or 2417*	4		
Integral Calculus or Calculus II	MATH 2414 or 2419*	4		
Sev. Variables or Advanced Cal.	MATH 2415 or MATH 3351*	3-4		
Linear Algebra	MATH 2418	4		
Differential Equations	MATH 2420	4		
Fun of Physics	PHYS 1100	1		
Contemporary Physics	PHYS 2303	3		

UPDATED BY: _____				
DATE: _____				
MINOR: _____		DOUBLE MAJOR/DEGREE: _____		
Course Title	Subject Prefix/ Course #	HR	Semester Taken	Grade
Major Preparatory Courses (Cont.)				
Mechanics	PHYS 2325	3		
Physics Lab I	PHYS 2125	1		
Electromagnetism and Waves	PHYS 2326	3		
Physics Lab II	PHYS 2126	1		
Major Core Courses				
Classical Mechanics	PHYS 3312	3		
Electronics with Laboratory	PHYS 3427	4		
Numerical Methods	PHYS 3330	3		
Theoretical Physics	PHYS 3411	4		
Electricity & Magnetism	PHYS 3416	4		
Thermo & Statistical Mechanics	PHYS 4311	3		
Physical Measurements Lab	PHYS 4373	3		
Major Related Courses				
Quantum Mechanics I	PHYS 4301	3		
Quantum Mechanics II	PHYS 4302	3		
Optics	PHYS 4328	3		
Concepts of Modern Physics	PHYS 4352	3		
Physics Elective**				
Physics Elective**		3		
Physics Elective**		3		
Electives-45 Upper Level Hours Needed to Graduate (75 UL for double degree)				
Freshman Seminar	UNIV 1010	0		
NS&M Freshman Seminar	NATS 1101	1		
Core Seminar	UNIV 2020	0		
UL Elective (3xxx or 4xxx)		0-3		
Free Elective		3		
Free Elective		3		
Free Elective		1-5		

*Select one MATH sequence: (MATH 2413, MATH 2414 & MATH 2415) OR (MATH 2417, MATH 2419, & MATH 2451)

**BS-Select from: PHYS 3380, 4340, 4371, 4386, 4392, 4V07, 4V10, 4V11