

### 2023 Catalog-B.A. Physics Degree Plan (120 Hours)

<b>STUDENT NAME:</b>				
<b>STUDENT ID:</b>				
<b>AUDITS: 45</b> _____ <b>75</b> _____	<b>PRE-HEALTH: NO YES</b>			
<b>Course Title</b>	<b>Subject Prefix/ Course #</b>	<b>HR</b>	<b>Semester Taken</b>	<b>Grade</b>
<b>CORE CURRICULUM</b>				
<b>Communication (010)</b>				
		3		
		3		
<b>Mathematics (020)</b>				
Differential Calculus or Calculus I	MATH 2413 or 2417*	4		
<b>Life and Physical Sciences (030)</b>				
Mechanics	PHYS 2325	3		
Electromagnetism and Waves	PHYS 2326	3		
<b>Language, Philosophy and Culture (040)</b>				
		3		
<b>Creative Arts (050)</b>				
		3		
<b>American History (060)</b>				
		3		
		3		
<b>Government/Political Science (070)</b>				
American National Government	GOVT 2305	3		
State and Local Government	GOVT 2306	3		
<b>Social and Behavioral Science (080)</b>				
		3		
<b>Component Area Option (090)</b>				
General Chemistry I	CHEM 1311	3		
General Chemistry II	CHEM 1312	3		
<b>Major Preparatory Courses</b>				
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		

<b>UPDATED BY:</b>				
<b>DATE:</b>				
<b>MINOR:</b>	<b>DOUBLE MAJOR/DEGREE:</b>			
<b>Course Title</b>	<b>Subject Prefix/ Course #</b>	<b>HR</b>	<b>Semester Taken</b>	<b>Grade</b>
<b>Major Preparatory Courses (Cont.)</b>				
Mechanics	PHYS 2325	3		
Physics Lab I	PHYS 2125	1		
Electromagnetism and Waves	PHYS 2326	3		
Physics Lab II	PHYS 2126	1		
<b>Major Core Courses</b>				
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		
Senior Research Project for BA Degree	PHYS 4398	3		
<b>Physics Elective**</b>				
Physics Elective**		3		
<b>Upper Level Science Electives</b>				
		3		
		3		
		3		
		3		
<b>Electives-45 Upper Level Hours Needed to Graduate (75 UL for double degree)</b>				
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)

\*\*BA-Select from: PHYS 3380, 4301, 4302, 4340, 4346, 4352, 4371, 4386, 4392, 4V07, 4V10, 4V11